

TABLE 2

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

Effluent Water Quality Results

Date Sampled ^{2/}	pH ^{1/}	TDS (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis- 1,2-DCE (ug/l)	trans- 1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl- benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	6.5 to 8.5	---	5	5	5	5	5	5	5	5	5	5	5	---	10	7	---	---
1-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
5-Dec-17	6.9	153	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.04	0.053

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

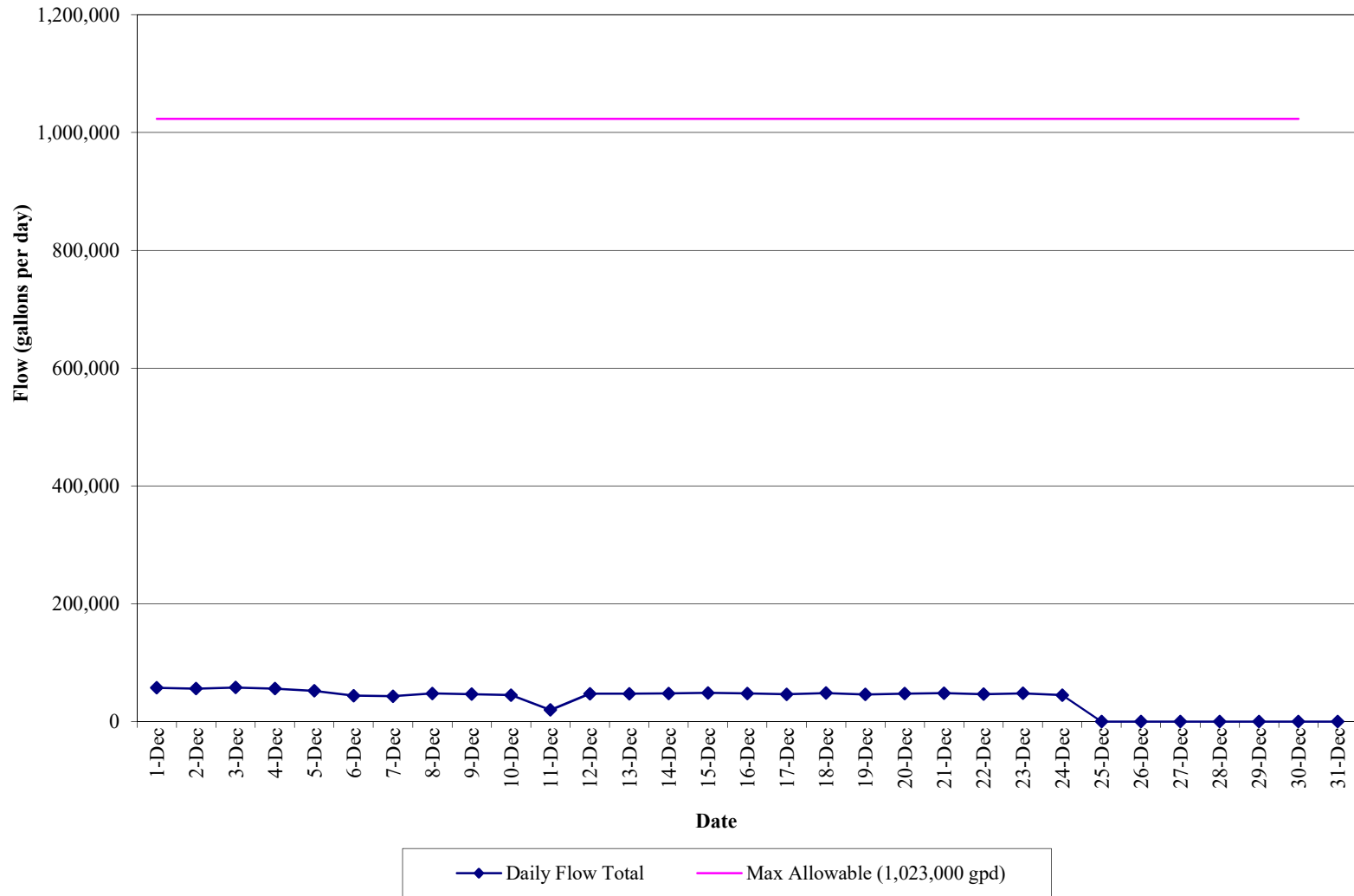
trans-1,2,-DCE: trans-1,2-Dichloroethene

Notes:

- 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.
- "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
- Starting in October 2016, FSP&T system samples are collected monthly instead of once every two weeks. The pH of the effluent water is measured two times per month.

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

Effluent Flow Data
(December 1, 2017 to December 31, 2017)



APPENDIX I
DECEMBER 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: 12/18/2017

Client Project ID: Rowe Industries

York Project (SDG) No.: 17L0371

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 12/18/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17L0371

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 December 11, 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>
17L0371-01	WQ120517:1400 NP2-6	Water	12/05/2017	12/11/2017
17L0373-01	WQ120417:1405 NP2-10	Water	12/05/2017	12/11/2017

General Notes for York Project (SDG) No.: 17L0371

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: 12/18/2017





Sample Information

Client Sample ID: WQ120517:1400 NP2-6

York Sample ID: 17L0371-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17L0371

Rowe Industries

Water

December 5, 2017 2:00 pm

12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	12/15/2017 07:30	12/15/2017 16:42	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR



Sample Information

Client Sample ID: WQ120517:1400 NP2-6

York Sample ID: 17L0371-01

York Project (SDG) No.
17L0371

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
December 5, 2017 2:00 pm

Date Received
12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR



Sample Information

Client Sample ID: WQ120517:1400 NP2-6

York Sample ID: 17L0371-01

York Project (SDG) No.
17L0371

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
December 5, 2017 2:00 pm

Date Received
12/11/2017

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
127-18-4	Tetrachloroethylene	0.79		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
79-01-6	Trichloroethylene	0.43	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 16:42	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	12/15/2017 07:30	12/15/2017 16:42	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.8 %	69-130								
2037-26-5	Surrogate: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122								



Sample Information

Client Sample ID: WQ120417:1405 NP2-10

York Sample ID: 17L0373-01

York Project (SDG) No.
17L0373

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
December 5, 2017 2:05 pm

Date Received
12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	12/15/2017 07:30	12/15/2017 17:09	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR



Sample Information

Client Sample ID: WQ120417:1405 NP2-10

York Sample ID: 17L0373-01

York Project (SDG) No.
17L0373

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
December 5, 2017 2:05 pm

Date Received
12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/15/2017 07:30	12/15/2017 17:09	SR



Sample Information

Client Sample ID: WQ120417:1405 NP2-10

York Sample ID: 17L0373-01

York Project (SDG) No.

17L0373

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

December 5, 2017 2:05 pm

Date Received

12/11/2017

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	1.04		mg/L	0.0222	1	EPA 200.7	12/14/2017 10:11	12/14/2017 20:18	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0528		mg/L	0.0222	1	EPA 6010C	12/13/2017 09:25	12/14/2017 02:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	153	HT-01	mg/L	10.0	1	SM 2540C	12/13/2017 01:14	12/13/2017 01:14	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Analytical Batch Summary

Batch ID: BL70548 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
17L0373-01	WQ120417:1405 NP2-10	12/13/17
BL70548-BLK1	Blank	12/13/17

Batch ID: BL70582 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17L0373-01	WQ120417:1405 NP2-10	12/13/17
BL70582-BLK1	Blank	12/13/17
BL70582-SRM1	Reference	12/13/17

Batch ID: BL70656 **Preparation Method:** EPA 200.7 **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17L0373-01	WQ120417:1405 NP2-10	12/14/17
BL70656-BLK1	Blank	12/14/17
BL70656-SRM1	Reference	12/14/17

Batch ID: BL70705 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17L0371-01	WQ120517:1400 NP2-6	12/15/17
17L0373-01	WQ120417:1405 NP2-10	12/15/17
BL70705-BLK1	Blank	12/15/17
BL70705-BS1	LCS	12/15/17
BL70705-BSD1	LCS Dup	12/15/17



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 BL70705 - EPA 5030B

Blank (BL70705-BLK1)

Prepared & Analyzed: 12/15/2017

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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BL70705 - EPA 5030B

Blank (BL70705-BLK1)

Prepared & Analyzed: 12/15/2017

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	9.04	"	10.0	90.4	69-130
Surrogate: Toluene-d8	9.99	"	10.0	99.9	81-117
Surrogate: p-Bromofluorobenzene	10.5	"	10.0	105	79-122

LCS (BL70705-BS1)

Prepared & Analyzed: 12/15/2017

1,1,1,2-Tetrachloroethane	10.2	ug/L	10.0	102	82-126
1,1,1-Trichloroethane	10.9	"	10.0	109	78-136
1,1,2,2-Tetrachloroethane	10.9	"	10.0	109	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	"	10.0	106	54-165
1,1,2-Trichloroethane	10.1	"	10.0	101	82-123
1,1-Dichloroethane	10.7	"	10.0	107	82-129
1,1-Dichloroethylene	10.3	"	10.0	103	68-138
1,1-Dichloropropylene	10.8	"	10.0	108	83-133
1,2,3-Trichlorobenzene	12.5	"	10.0	125	76-136
1,2,3-Trichloropropane	10.5	"	10.0	105	77-128
1,2,4-Trichlorobenzene	11.3	"	10.0	113	76-137
1,2,4-Trimethylbenzene	11.8	"	10.0	118	82-132
1,2-Dibromo-3-chloropropane	9.56	"	10.0	95.6	45-147
1,2-Dibromoethane	10.0	"	10.0	100	83-124
1,2-Dichlorobenzene	10.8	"	10.0	108	79-123
1,2-Dichloroethane	9.03	"	10.0	90.3	73-132
1,2-Dichloropropane	10.9	"	10.0	109	78-126
1,3,5-Trimethylbenzene	11.7	"	10.0	117	80-131
1,3-Dichlorobenzene	11.6	"	10.0	116	86-122
1,3-Dichloropropane	10.1	"	10.0	101	81-125
1,4-Dichlorobenzene	11.4	"	10.0	114	85-124
2,2-Dichloropropane	10.6	"	10.0	106	56-150
2-Chlorotoluene	11.7	"	10.0	117	79-130
2-Hexanone	9.49	"	10.0	94.9	51-146
4-Chlorotoluene	11.4	"	10.0	114	79-128
Acetone	7.88	"	10.0	78.8	14-150
Benzene	10.9	"	10.0	109	85-126
Bromobenzene	11.2	"	10.0	112	78-129
Bromochloromethane	9.91	"	10.0	99.1	77-128
Bromodichloromethane	9.86	"	10.0	98.6	79-128
Bromoform	8.74	"	10.0	87.4	78-133
Bromomethane	5.35	"	10.0	53.5	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 BL70705 - EPA 5030B

LCS (BL70705-BS1)

Prepared & Analyzed: 12/15/2017

Carbon tetrachloride	9.70		ug/L	10.0		97.0	77-141				
Chlorobenzene	10.7		"	10.0		107	88-120				
Chloroethane	9.67		"	10.0		96.7	65-136				
Chloroform	9.75		"	10.0		97.5	82-128				
Chloromethane	8.24		"	10.0		82.4	43-155				
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129				
cis-1,3-Dichloropropylene	10.8		"	10.0		108	80-131				
Dibromochloromethane	9.42		"	10.0		94.2	80-130				
Dibromomethane	9.53		"	10.0		95.3	72-134				
Dichlorodifluoromethane	9.00		"	10.0		90.0	44-144				
Ethyl Benzene	11.1		"	10.0		111	80-131				
Hexachlorobutadiene	10.8		"	10.0		108	67-146				
Isopropylbenzene	12.4		"	10.0		124	76-140				
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	76-135				
Methylene chloride	9.50		"	10.0		95.0	55-137				
Naphthalene	11.1		"	10.0		111	70-147				
n-Butylbenzene	11.6		"	10.0		116	79-132				
n-Propylbenzene	12.1		"	10.0		121	78-133				
o-Xylene	11.0		"	10.0		110	78-130				
p- & m- Xylenes	22.2		"	20.0		111	77-133				
p-Isopropyltoluene	12.1		"	10.0		121	81-136				
sec-Butylbenzene	12.0		"	10.0		120	79-137				
Styrene	10.9		"	10.0		109	67-132				
tert-Butylbenzene	12.1		"	10.0		121	77-138				
Tetrachloroethylene	9.65		"	10.0		96.5	82-131				
Toluene	11.0		"	10.0		110	80-127				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	80-132				
trans-1,3-Dichloropropylene	10.2		"	10.0		102	78-131				
Trichloroethylene	10.6		"	10.0		106	82-128				
Trichlorofluoromethane	8.52		"	10.0		85.2	67-139				
Vinyl Chloride	9.90		"	10.0		99.0	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>8.41</i>		<i>"</i>	<i>10.0</i>		<i>84.1</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</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 BL70705 - EPA 5030B											
LCS Dup (BL70705-BSD1)						Prepared & Analyzed: 12/15/2017					
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126		1.17	30	
1,1,1-Trichloroethane	10.9		"	10.0		109	78-136		0.643	30	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	76-129		0.548	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	54-165		3.16	30	
1,1,2-Trichloroethane	10.6		"	10.0		106	82-123		5.60	30	
1,1-Dichloroethane	10.6		"	10.0		106	82-129		0.281	30	
1,1-Dichloroethylene	10.2		"	10.0		102	68-138		1.08	30	
1,1-Dichloropropylene	10.7		"	10.0		107	83-133		0.839	30	
1,2,3-Trichlorobenzene	12.6		"	10.0		126	76-136		0.878	30	
1,2,3-Trichloropropane	10.5		"	10.0		105	77-128		0.286	30	
1,2,4-Trichlorobenzene	11.3		"	10.0		113	76-137		0.619	30	
1,2,4-Trimethylbenzene	11.0		"	10.0		110	82-132		6.40	30	
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	45-147		5.49	30	
1,2-Dibromoethane	10.3		"	10.0		103	83-124		2.75	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123		3.02	30	
1,2-Dichloroethane	10.3		"	10.0		103	73-132		12.8	30	
1,2-Dichloropropane	10.8		"	10.0		108	78-126		1.01	30	
1,3,5-Trimethylbenzene	11.0		"	10.0		110	80-131		6.88	30	
1,3-Dichlorobenzene	11.1		"	10.0		111	86-122		4.24	30	
1,3-Dichloropropane	10.5		"	10.0		105	81-125		3.40	30	
1,4-Dichlorobenzene	11.2		"	10.0		112	85-124		2.57	30	
2,2-Dichloropropane	10.3		"	10.0		103	56-150		2.01	30	
2-Chlorotoluene	10.9		"	10.0		109	79-130		6.64	30	
2-Hexanone	11.2		"	10.0		112	51-146		16.7	30	
4-Chlorotoluene	10.6		"	10.0		106	79-128		6.98	30	
Acetone	10.7		"	10.0		107	14-150		30.7	30	Non-dir.
Benzene	11.0		"	10.0		110	85-126		0.639	30	
Bromobenzene	10.8		"	10.0		108	78-129		3.55	30	
Bromochloromethane	10.3		"	10.0		103	77-128		3.57	30	
Bromodichloromethane	9.86		"	10.0		98.6	79-128		0.00	30	
Bromoform	9.43		"	10.0		94.3	78-133		7.59	30	
Bromomethane	5.71		"	10.0		57.1	43-168		6.51	30	
Carbon tetrachloride	9.68		"	10.0		96.8	77-141		0.206	30	
Chlorobenzene	10.6		"	10.0		106	88-120		1.13	30	
Chloroethane	9.48		"	10.0		94.8	65-136		1.98	30	
Chloroform	10.1		"	10.0		101	82-128		3.13	30	
Chloromethane	8.19		"	10.0		81.9	43-155		0.609	30	
cis-1,2-Dichloroethylene	11.2		"	10.0		112	83-129		1.17	30	
cis-1,3-Dichloropropylene	10.9		"	10.0		109	80-131		1.02	30	
Dibromochloromethane	9.81		"	10.0		98.1	80-130		4.06	30	
Dibromomethane	9.87		"	10.0		98.7	72-134		3.51	30	
Dichlorodifluoromethane	8.84		"	10.0		88.4	44-144		1.79	30	
Ethyl Benzene	10.8		"	10.0		108	80-131		2.46	30	
Hexachlorobutadiene	10.2		"	10.0		102	67-146		6.18	30	
Isopropylbenzene	11.5		"	10.0		115	76-140		7.70	30	
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	76-135		7.89	30	
Methylene chloride	9.63		"	10.0		96.3	55-137		1.36	30	
Naphthalene	11.7		"	10.0		117	70-147		5.10	30	
n-Butylbenzene	10.6		"	10.0		106	79-132		8.29	30	
n-Propylbenzene	11.2		"	10.0		112	78-133		8.06	30	
o-Xylene	10.8		"	10.0		108	78-130		1.56	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 BL70705 - EPA 5030B

LCS Dup (BL70705-BSD1)

Prepared & Analyzed: 12/15/2017

p- & m- Xylenes	21.7		ug/L	20.0		108	77-133		2.42	30
p-Isopropyltoluene	11.2		"	10.0		112	81-136		7.39	30
sec-Butylbenzene	11.1		"	10.0		111	79-137		7.88	30
Styrene	10.9		"	10.0		109	67-132		0.458	30
tert-Butylbenzene	11.3		"	10.0		113	77-138		6.84	30
Tetrachloroethylene	11.1		"	10.0		111	82-131		14.1	30
Toluene	10.8		"	10.0		108	80-127		2.29	30
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132		1.53	30
trans-1,3-Dichloropropylene	10.5		"	10.0		105	78-131		2.71	30
Trichloroethylene	10.4		"	10.0		104	82-128		2.09	30
Trichlorofluoromethane	8.24		"	10.0		82.4	67-139		3.34	30
Vinyl Chloride	9.68		"	10.0		96.8	58-145		2.25	30
Surrogate: 1,2-Dichloroethane-d4	9.18		"	10.0		91.8	69-130			
Surrogate: Toluene-d8	10.0		"	10.0		100	81-117			
Surrogate: p-Bromofluorobenzene	10.3		"	10.0		103	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
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Batch BL70582 - EPA 3015A

Blank (BL70582-BLK1)

Prepared: 12/13/2017 Analyzed: 12/14/2017

Iron - Dissolved ND 0.0222 mg/L

Reference (BL70582-SRM1)

Prepared: 12/13/2017 Analyzed: 12/14/2017

Iron - Dissolved 1.36 ug/mL 1.40 97.5 84.9-115

Batch BL70656 - EPA 200.7

Blank (BL70656-BLK1)

Prepared & Analyzed: 12/14/2017

Iron ND 0.0222 mg/L

Reference (BL70656-SRM1)

Prepared & Analyzed: 12/14/2017

Iron 1.27 ug/mL 1.40 91.0 84.9-115



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag
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Batch BL70548 - % Solids Prep

Blank (BL70548-BLK1)

Prepared & Analyzed: 12/13/2017

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

Lab ID	Client Sample ID	Volatile Sample Container
17L0371-01	WQ120517:1400 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17L0373-01	WQ120417:1405 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.
HT-01	This result was reported from an analysis conducted outside of the EPA recommended holding time.

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. 17L0311

YOUR Information Company: <u>LBG</u> Address: <u>4 Research Dr. Suite 301 Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sandoz</u> E-Mail Address: <u>TSandoz@LBGCT.com</u>		Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR Project ID <u>Rowe Industries</u> Purchase Order No. <u>NAB5A6</u> Samples from: CT <u>NY</u> X NJ		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 <u>X</u> pdf Summary w/ QA Summary <u>X</u> pdf CT RCP Package CT RCP DQADUE Pkg NY ASP A Package NY ASP B Package <u>NP2-10 only</u> NIDEP Red. Deliv. <u>Electronic Data Deliverables (EDD)</u> Simple Excel <u>X</u> NYSDEC EQUIS EQUIS (std) EZ-EDD (EQUIS) NIDEP SRP HazSite EDD GIS/KEY (std) Other York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (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						Choose Analyses Needed from the Menu Above and Enter Below Volatiles: B260 full, TICs, 524, STARS list, Nassau Co., BTEX, MTBE, Ketones, TAGM list, Oxygenates, TAGM list, CT RCP list, 524.2, CT RCP list, 502.2, Halog. only, NIDEP list, App. IX list, SETP or TCLP, 8021B list Semi-Volatiles: 8270 or 625, 8082PCB, STARS list, 8081Pest, BN Only, 8151Herb, Acids Only, FAH list, App. IX, Site Spec., TAGM list, SETP or TCLP, CT RCP list, TCLP list, NIDEP list, App. IX, Chloridane, ILCI/Media, LIST Below Metals: RCRA8, PF13 list, TAL, CT15 list, TAGM list, NIDEP list, Total, Disolved, SETP or TCLP, Air VPH, Air TICs, Medium, LIST Below Misc. Org: TPH GRO, TPH DRO, CT ETPH, NY 310-13, TPA 1664, Air TO14A, Air TO15, Air STARS, SETP or TCLP, Air TICs, Medium, LIST Below Full Lists: PFI Poll., TCL Organs, TAL Mecon, Full TCLP, Full App. IX, P4360 Route, Heteromylus, P4360 Route, TOX, P4360 Route, BTUlb, P4360 Route, Aquatic Tox, NYCEP Power, TOC, NYCEP Power, Asbestos, TAGM, Silica					
Sample Identification <u>WQ120517.1400 NP2-16</u> <u>WQ120517.1405 NP2-10</u>		Date Sampled <u>12-5-17</u> <u>12-5-17</u>		Sample Matrix <u>GW</u> <u>GW</u>		Container Description(s) <u>300a's</u> <u>300a's, 3 plastic</u>					
Comments Preservation: <u>4°C</u> Frozen <u>MeOH</u> <u>Ascorbic Acid</u> <u>NaOH</u> Check those Applicable: <u>Special</u> <u>Instructions</u> <u>Field Filtered</u> <u>Lab to Filter</u> Samples Relinquished By: <u>LBG</u> Date/Time: <u>12/6/17 800</u> Samples Relinquished By: <u>LBG</u> Date/Time: <u>12/11/17 1431</u> Samples Received in LAB by: <u>LBG</u> Date/Time: <u>12/11/17 1431</u> Temperature on Receipt: <u>39</u> °C <u>Rec'd at 12/11/17 13:02</u> <u>LBG-Field 12-6-17 800</u>											

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.

Work Project No. 17L0373

YOUR INFORMATION		Report To:		Invoice To:		YOUR PROJECT ID		Turn-Around Time		Report Type	
Company: LB6	Address: 4 Research Dr. Suite 301	Company: Same	Address: Same	Company: Same	Address: Same	Revco Industries		☐ RUSH - Same Day	☐ Summary Report	☒ Summary w/ QA	☒ Summary w/ QA
Phone No. 203-929-8555	Attention: Tunde Sandor	Phone No. 203-929-8555	Attention: Tunde Sandor	Phone No. 203-929-8555	Attention: Tunde Sandor	Purchase Order No. HAD5AC		☐ RUSH - Next Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
Contract Person: Tunde Sandor	E-Mail Address: TSandor@lb6ct.com	Phone No. 203-929-8555	Attention: Tunde Sandor	Phone No. 203-929-8555	Attention: Tunde Sandor	Purchase Order No. HAD5AC		☐ RUSH - Two Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Three Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Four Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Five Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Six Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Seven Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Eight Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Nine Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Ten Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Eleven Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Twelve Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Thirteen Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Fourteen Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Fifteen Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Sixteen Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Seventeen Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Eighteen Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Nineteen Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Twenty Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Twenty-One Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		E-Mail Address: TSandor@lb6ct.com		Purchase Order No. HAD5AC		☐ RUSH - Twenty-Two Day	☐ Summary w/ QA	☐ Summary w/ QA	☐ Summary w/ QA
E-Mail Address: TSandor@lb											

APPENDIX II
DECEMBER 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: 12/18/2017

Client Project ID: Rowe Industries

York Project (SDG) No.: 17L0372

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 12/18/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17L0372

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 December 11, 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>
17L0372-01	WQ120517:1300 FRW-1	Water	12/05/2017	12/11/2017
17L0372-02	WQ120517:1305 FRW-2	Water	12/05/2017	12/11/2017
17L0372-03	WQ120517:1310 FRW-3	Water	12/05/2017	12/11/2017
17L0372-04	WQ120517:1315 FRW-4	Water	12/05/2017	12/11/2017
17L0372-05	WQ120517:1320 NP1-1-2	Water	12/05/2017	12/11/2017

General Notes for York Project (SDG) No.: 17L0372

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: 12/18/2017





Sample Information

Client Sample ID: WQ120517:1300 FRW-1

York Sample ID: 17L0372-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17L0372

Rowe Industries

Water

December 5, 2017 1:00 pm

12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
71-55-6	1,1,1-Trichloroethane	0.40	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	12/13/2017 16:00	12/16/2017 00:24	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS



Sample Information

Client Sample ID: WQ120517:1300 FRW-1

York Sample ID: 17L0372-01

York Project (SDG) No.
17L0372

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
December 5, 2017 1:00 pm

Date Received
12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
156-59-2	cis-1,2-Dichloroethylene	3.4		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS



Sample Information

Client Sample ID: WQ120517:1300 FRW-1

York Sample ID: 17L0372-01

York Project (SDG) No.

17L0372

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

December 5, 2017 1:00 pm

Date Received

12/11/2017

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
127-18-4	Tetrachloroethylene	55		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
79-01-6	Trichloroethylene	1.5		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:24	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	12/13/2017 16:00	12/16/2017 00:24	AS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	106 %	79-122								



Sample Information

Client Sample ID: WQ120517:1305 FRW-2

York Sample ID: 17L0372-02

York Project (SDG) No.
17L0372

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
December 5, 2017 1:05 pm

Date Received
12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	12/13/2017 16:00	12/16/2017 00:51	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS



Sample Information

Client Sample ID: WQ120517:1305 FRW-2

York Sample ID: 17L0372-02

York Project (SDG) No.
17L0372

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
December 5, 2017 1:05 pm

Date Received
12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
156-59-2	cis-1,2-Dichloroethylene	1.6		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS



Sample Information

Client Sample ID: WQ120517:1305 FRW-2

York Sample ID: 17L0372-02

York Project (SDG) No.
17L0372

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
December 5, 2017 1:05 pm

Date Received
12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
127-18-4	Tetrachloroethylene	38		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
79-01-6	Trichloroethylene	3.4		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 00:51	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	12/13/2017 16:00	12/16/2017 00:51	AS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	69-130								
2037-26-5	Surrogate: Toluene-d8	104 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	79-122								



Sample Information

Client Sample ID: WQ120517:1310 FRW-3

York Sample ID: 17L0372-03

York Project (SDG) No.
17L0372

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
December 5, 2017 1:10 pm

Date Received
12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	12/13/2017 16:00	12/16/2017 01:17	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS



Sample Information

Client Sample ID: WQ120517:1310 FRW-3

York Sample ID: 17L0372-03

York Project (SDG) No.
17L0372

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
December 5, 2017 1:10 pm

Date Received
12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
156-59-2	cis-1,2-Dichloroethylene	2.3		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
98-82-8	Isopropylbenzene	0.37	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS



Sample Information

Client Sample ID: WQ120517:1310 FRW-3

York Sample ID: 17L0372-03

York Project (SDG) No.
17L0372

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
December 5, 2017 1:10 pm

Date Received
12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
103-65-1	n-Propylbenzene	0.33	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
127-18-4	Tetrachloroethylene	37		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
79-01-6	Trichloroethylene	1.8		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:17	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	12/13/2017 16:00	12/16/2017 01:17	AS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	116 %	69-130								
2037-26-5	Surrogate: Toluene-d8	104 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	109 %	79-122								



Sample Information

Client Sample ID: WQ120517:1315 FRW-4

York Sample ID: 17L0372-04

York Project (SDG) No.
17L0372

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
December 5, 2017 1:15 pm

Date Received
12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	12/13/2017 16:00	12/16/2017 01:43	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS



Sample Information

Client Sample ID: WQ120517:1315 FRW-4

York Sample ID: 17L0372-04

York Project (SDG) No.
17L0372

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
December 5, 2017 1:15 pm

Date Received
12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
156-59-2	cis-1,2-Dichloroethylene	1.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS



Sample Information

Client Sample ID: WQ120517:1315 FRW-4

York Sample ID: 17L0372-04

York Project (SDG) No.
17L0372

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
December 5, 2017 1:15 pm

Date Received
12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
127-18-4	Tetrachloroethylene	5.1		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 01:43	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	12/13/2017 16:00	12/16/2017 01:43	AS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	106 %	79-122								



Sample Information

Client Sample ID: WQ120517:1320 NP1-1-2

York Sample ID: 17L0372-05

York Project (SDG) No.
17L0372

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
December 5, 2017 1:20 pm

Date Received
12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	12/13/2017 16:00	12/16/2017 02:10	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS



Sample Information

Client Sample ID: WQ120517:1320 NP1-1-2

York Sample ID: 17L0372-05

York Project (SDG) No.

17L0372

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

December 5, 2017 1:20 pm

Date Received

12/11/2017

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:	12/13/2017 16:00	12/16/2017 02:10	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	12/13/2017 16:00	12/16/2017 02:10	AS



Sample Information

Client Sample ID: WQ120517:1320 NP1-1-2

York Sample ID: 17L0372-05

York Project (SDG) No.
17L0372

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
December 5, 2017 1:20 pm

Date Received
12/11/2017

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,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
127-18-4	Tetrachloroethylene	0.27	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
79-01-6	Trichloroethylene	0.42	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	12/13/2017 16:00	12/16/2017 02:10	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	12/13/2017 16:00	12/16/2017 02:10	AS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	115 %	69-130								
2037-26-5	Surrogate: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	79-122								



Analytical Batch Summary

Batch ID: BL70588

Preparation Method: EPA 5030B

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
17L0372-01	WQ120517:1300 FRW-1	12/13/17
17L0372-02	WQ120517:1305 FRW-2	12/13/17
17L0372-03	WQ120517:1310 FRW-3	12/13/17
17L0372-04	WQ120517:1315 FRW-4	12/13/17
17L0372-05	WQ120517:1320 NP1-1-2	12/13/17
BL70588-BLK1	Blank	12/13/17
BL70588-BS1	LCS	12/13/17
BL70588-BSD1	LCS Dup	12/13/17



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 BL70588 - EPA 5030B

Blank (BL70588-BLK1)

Prepared: 12/13/2017 Analyzed: 12/15/2017

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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BL70588 - EPA 5030B

Blank (BL70588-BLK1)

Prepared: 12/13/2017 Analyzed: 12/15/2017

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	11.9		"	10.0		119	69-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				

LCS (BL70588-BS1)

Prepared: 12/13/2017 Analyzed: 12/15/2017

1,1,1,2-Tetrachloroethane	8.37		ug/L	10.0		83.7	82-126				
1,1,1-Trichloroethane	8.48		"	10.0		84.8	78-136				
1,1,2,2-Tetrachloroethane	9.03		"	10.0		90.3	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.92		"	10.0		79.2	54-165				
1,1,2-Trichloroethane	8.47		"	10.0		84.7	82-123				
1,1-Dichloroethane	8.76		"	10.0		87.6	82-129				
1,1-Dichloroethylene	7.75		"	10.0		77.5	68-138				
1,1-Dichloropropylene	8.50		"	10.0		85.0	83-133				
1,2,3-Trichlorobenzene	8.39		"	10.0		83.9	76-136				
1,2,3-Trichloropropane	8.68		"	10.0		86.8	77-128				
1,2,4-Trichlorobenzene	8.29		"	10.0		82.9	76-137				
1,2,4-Trimethylbenzene	9.27		"	10.0		92.7	82-132				
1,2-Dibromo-3-chloropropane	9.20		"	10.0		92.0	45-147				
1,2-Dibromoethane	8.21		"	10.0		82.1	83-124	Low Bias			
1,2-Dichlorobenzene	8.76		"	10.0		87.6	79-123				
1,2-Dichloroethane	8.19		"	10.0		81.9	73-132				
1,2-Dichloropropane	8.93		"	10.0		89.3	78-126				
1,3,5-Trimethylbenzene	9.57		"	10.0		95.7	80-131				
1,3-Dichlorobenzene	8.99		"	10.0		89.9	86-122				
1,3-Dichloropropane	8.56		"	10.0		85.6	81-125				
1,4-Dichlorobenzene	9.15		"	10.0		91.5	85-124				
2,2-Dichloropropane	5.44		"	10.0		54.4	56-150	Low Bias			
2-Chlorotoluene	9.37		"	10.0		93.7	79-130				
2-Hexanone	8.28		"	10.0		82.8	51-146				
4-Chlorotoluene	9.36		"	10.0		93.6	79-128				
Acetone	3.62		"	10.0		36.2	14-150				
Benzene	8.75		"	10.0		87.5	85-126				
Bromobenzene	9.06		"	10.0		90.6	78-129				
Bromochloromethane	8.82		"	10.0		88.2	77-128				
Bromodichloromethane	8.70		"	10.0		87.0	79-128				
Bromoform	7.95		"	10.0		79.5	78-133				
Bromomethane	8.50		"	10.0		85.0	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 BL70588 - EPA 5030B

LCS (BL70588-BS1)

Prepared: 12/13/2017 Analyzed: 12/15/2017

Carbon tetrachloride	8.29		ug/L	10.0		82.9	77-141				
Chlorobenzene	8.73		"	10.0		87.3	88-120	Low Bias			
Chloroethane	8.17		"	10.0		81.7	65-136				
Chloroform	8.59		"	10.0		85.9	82-128				
Chloromethane	7.91		"	10.0		79.1	43-155				
cis-1,2-Dichloroethylene	8.12		"	10.0		81.2	83-129	Low Bias			
cis-1,3-Dichloropropylene	7.74		"	10.0		77.4	80-131	Low Bias			
Dibromochloromethane	8.22		"	10.0		82.2	80-130				
Dibromomethane	8.78		"	10.0		87.8	72-134				
Dichlorodifluoromethane	7.22		"	10.0		72.2	44-144				
Ethyl Benzene	8.98		"	10.0		89.8	80-131				
Hexachlorobutadiene	9.01		"	10.0		90.1	67-146				
Isopropylbenzene	9.71		"	10.0		97.1	76-140				
Methyl tert-butyl ether (MTBE)	8.45		"	10.0		84.5	76-135				
Methylene chloride	7.51		"	10.0		75.1	55-137				
Naphthalene	7.58		"	10.0		75.8	70-147				
n-Butylbenzene	10.1		"	10.0		101	79-132				
n-Propylbenzene	9.72		"	10.0		97.2	78-133				
o-Xylene	8.74		"	10.0		87.4	78-130				
p- & m- Xylenes	18.1		"	20.0		90.6	77-133				
p-Isopropyltoluene	9.89		"	10.0		98.9	81-136				
sec-Butylbenzene	9.96		"	10.0		99.6	79-137				
Styrene	8.59		"	10.0		85.9	67-132				
tert-Butylbenzene	10.0		"	10.0		100	77-138				
Tetrachloroethylene	9.41		"	10.0		94.1	82-131				
Toluene	8.72		"	10.0		87.2	80-127				
trans-1,2-Dichloroethylene	8.68		"	10.0		86.8	80-132				
trans-1,3-Dichloropropylene	8.01		"	10.0		80.1	78-131				
Trichloroethylene	8.93		"	10.0		89.3	82-128				
Trichlorofluoromethane	8.11		"	10.0		81.1	67-139				
Vinyl Chloride	7.88		"	10.0		78.8	58-145				
Surrogate: 1,2-Dichloroethane-d4	9.57		"	10.0		95.7	69-130				
Surrogate: Toluene-d8	10.4		"	10.0		104	81-117				
Surrogate: p-Bromofluorobenzene	11.0		"	10.0		110	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL70588 - EPA 5030B											
LCS Dup (BL70588-BSD1)						Prepared: 12/13/2017 Analyzed: 12/15/2017					
1,1,1,2-Tetrachloroethane	8.38		ug/L	10.0		83.8	82-126		0.119	30	
1,1,1-Trichloroethane	8.88		"	10.0		88.8	78-136		4.61	30	
1,1,2,2-Tetrachloroethane	8.67		"	10.0		86.7	76-129		4.07	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.12		"	10.0		91.2	54-165		14.1	30	
1,1,2-Trichloroethane	8.43		"	10.0		84.3	82-123		0.473	30	
1,1-Dichloroethane	8.55		"	10.0		85.5	82-129		2.43	30	
1,1-Dichloroethylene	8.63		"	10.0		86.3	68-138		10.7	30	
1,1-Dichloropropylene	8.58		"	10.0		85.8	83-133		0.937	30	
1,2,3-Trichlorobenzene	9.53		"	10.0		95.3	76-136		12.7	30	
1,2,3-Trichloropropane	8.78		"	10.0		87.8	77-128		1.15	30	
1,2,4-Trichlorobenzene	9.40		"	10.0		94.0	76-137		12.5	30	
1,2,4-Trimethylbenzene	9.12		"	10.0		91.2	82-132		1.63	30	
1,2-Dibromo-3-chloropropane	8.90		"	10.0		89.0	45-147		3.31	30	
1,2-Dibromoethane	8.37		"	10.0		83.7	83-124		1.93	30	
1,2-Dichlorobenzene	9.02		"	10.0		90.2	79-123		2.92	30	
1,2-Dichloroethane	8.73		"	10.0		87.3	73-132		6.38	30	
1,2-Dichloropropane	7.86		"	10.0		78.6	78-126		12.7	30	
1,3,5-Trimethylbenzene	9.49		"	10.0		94.9	80-131		0.839	30	
1,3-Dichlorobenzene	8.83		"	10.0		88.3	86-122		1.80	30	
1,3-Dichloropropane	8.32		"	10.0		83.2	81-125		2.84	30	
1,4-Dichlorobenzene	8.87		"	10.0		88.7	85-124		3.11	30	
2,2-Dichloropropane	5.39		"	10.0		53.9	56-150	Low Bias	0.923	30	
2-Chlorotoluene	9.04		"	10.0		90.4	79-130		3.59	30	
2-Hexanone	7.92		"	10.0		79.2	51-146		4.44	30	
4-Chlorotoluene	9.08		"	10.0		90.8	79-128		3.04	30	
Acetone	5.78		"	10.0		57.8	14-150		46.0	30	Non-dir.
Benzene	8.57		"	10.0		85.7	85-126		2.08	30	
Bromobenzene	8.82		"	10.0		88.2	78-129		2.68	30	
Bromochloromethane	8.05		"	10.0		80.5	77-128		9.13	30	
Bromodichloromethane	8.59		"	10.0		85.9	79-128		1.27	30	
Bromoform	8.64		"	10.0		86.4	78-133		8.32	30	
Bromomethane	9.24		"	10.0		92.4	43-168		8.34	30	
Carbon tetrachloride	9.07		"	10.0		90.7	77-141		8.99	30	
Chlorobenzene	8.59		"	10.0		85.9	88-120	Low Bias	1.62	30	
Chloroethane	8.84		"	10.0		88.4	65-136		7.88	30	
Chloroform	8.87		"	10.0		88.7	82-128		3.21	30	
Chloromethane	9.11		"	10.0		91.1	43-155		14.1	30	
cis-1,2-Dichloroethylene	8.11		"	10.0		81.1	83-129	Low Bias	0.123	30	
cis-1,3-Dichloropropylene	7.70		"	10.0		77.0	80-131	Low Bias	0.518	30	
Dibromochloromethane	8.55		"	10.0		85.5	80-130		3.94	30	
Dibromomethane	8.51		"	10.0		85.1	72-134		3.12	30	
Dichlorodifluoromethane	7.94		"	10.0		79.4	44-144		9.50	30	
Ethyl Benzene	8.76		"	10.0		87.6	80-131		2.48	30	
Hexachlorobutadiene	9.89		"	10.0		98.9	67-146		9.31	30	
Isopropylbenzene	9.50		"	10.0		95.0	76-140		2.19	30	
Methyl tert-butyl ether (MTBE)	8.64		"	10.0		86.4	76-135		2.22	30	
Methylene chloride	8.18		"	10.0		81.8	55-137		8.54	30	
Naphthalene	8.62		"	10.0		86.2	70-147		12.8	30	
n-Butylbenzene	9.95		"	10.0		99.5	79-132		1.89	30	
n-Propylbenzene	9.55		"	10.0		95.5	78-133		1.76	30	
o-Xylene	8.74		"	10.0		87.4	78-130		0.00	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 BL70588 - EPA 5030B

LCS Dup (BL70588-BSD1)

Prepared: 12/13/2017 Analyzed: 12/15/2017

p- & m- Xylenes	17.8		ug/L	20.0		89.0	77-133		1.89	30	
p-Isopropyltoluene	9.65		"	10.0		96.5	81-136		2.46	30	
sec-Butylbenzene	9.93		"	10.0		99.3	79-137		0.302	30	
Styrene	8.61		"	10.0		86.1	67-132		0.233	30	
tert-Butylbenzene	9.90		"	10.0		99.0	77-138		1.20	30	
Tetrachloroethylene	9.51		"	10.0		95.1	82-131		1.06	30	
Toluene	8.63		"	10.0		86.3	80-127		1.04	30	
trans-1,2-Dichloroethylene	8.47		"	10.0		84.7	80-132		2.45	30	
trans-1,3-Dichloropropylene	7.89		"	10.0		78.9	78-131		1.51	30	
Trichloroethylene	8.29		"	10.0		82.9	82-128		7.43	30	
Trichlorofluoromethane	9.02		"	10.0		90.2	67-139		10.6	30	
Vinyl Chloride	8.99		"	10.0		89.9	58-145		13.2	30	
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: Toluene-d8	10.4		"	10.0		104	81-117				
Surrogate: p-Bromofluorobenzene	10.9		"	10.0		109	79-122				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17L0372-01	WQ120517:1300 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17L0372-02	WQ120517:1305 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17L0372-03	WQ120517:1310 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17L0372-04	WQ120517:1315 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17L0372-05	WQ120517:1320 NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
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.

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.



