

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	---	---
17-Oct-16 ^{3/}	6.5	141	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	1.27	0.455
1-Nov-16	6.5	224	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	3.50	0.100
1-Dec-16	6.5	191	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.17	0.042
3-Jan-17	6.5	123	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.24	0.030
1-Feb-17	6.5	120	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.17	0.051
1-Mar-17	6.5	149	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.69	0.063
7-Apr-17	6.5	157	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	3.62	0.060
3-May-17	6.5	121	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.90	0.079
1-Jun-17	6.5	127	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.10	0.097
6-Jul-17	6.5	159	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.46	ND<0.02
1-Aug-17	6.8	143	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	3.00	0.193
5-Sep-17	6.8	298	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.12	0.051
4-Oct-17	6.5	162	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.24	0.036

SPDES: State Pollutant Discharge Elimination System

mg/l: Milligrams per liter

ug/l: Micrograms per liter

----: Not established

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

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

ND: Not detected

NM: Not Measured

TDS: Total dissolved solids

PCE: Tetrachloroethylene

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

TCE: Trichloroethene

1,1-DCA: 1,1-Dichloroethane

1,1-DCE: 1,1-Dichloroethene

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

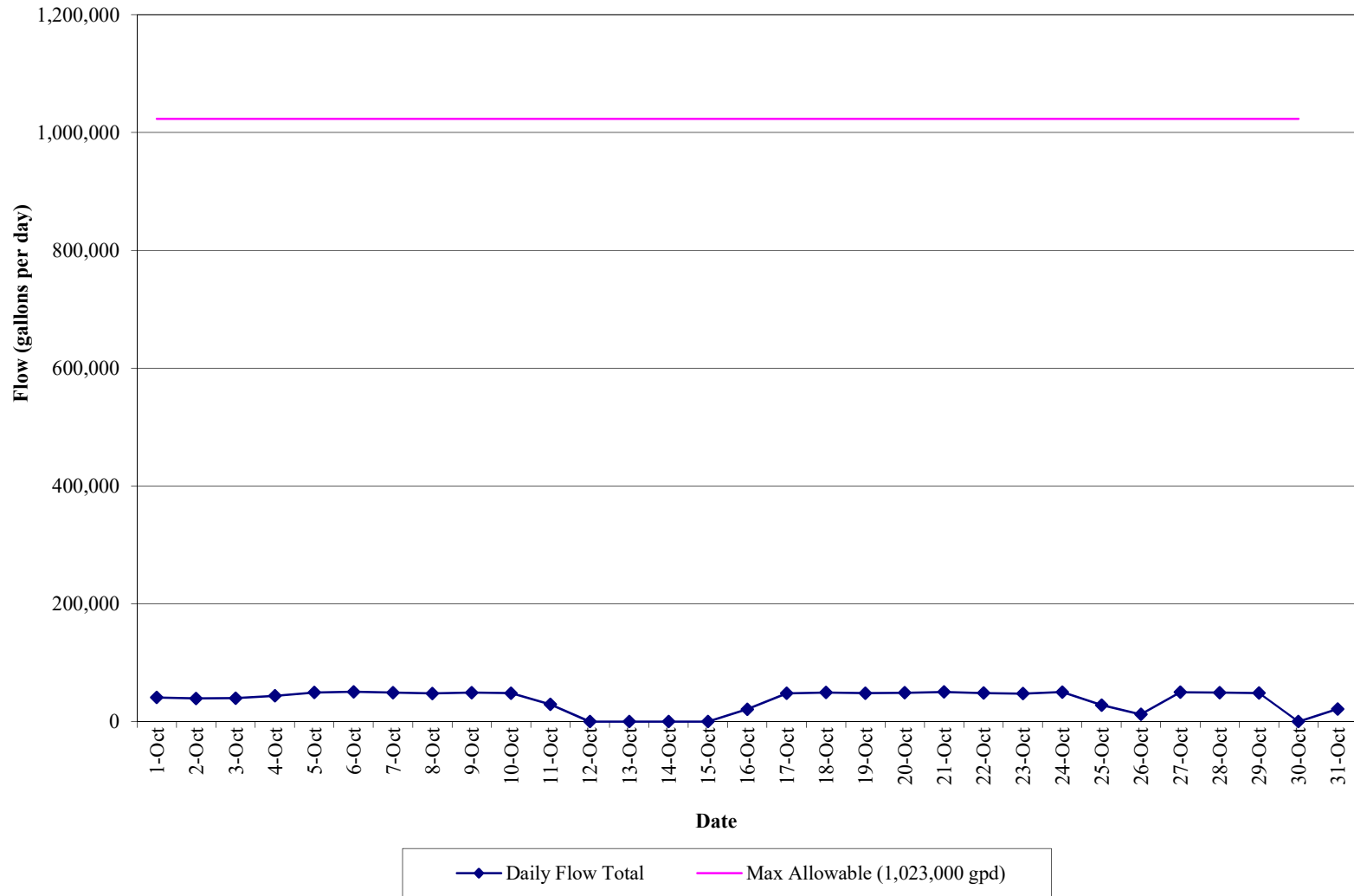
trans-1,2,-DCE: trans-1,2-Dichloroethene

Notes:

1. Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5. The pH on October 16, 2017, was 6.8.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
3. Starting in October 2016, FSP&T system samples are collected monthly instead of once every two weeks. The pH of the effluent water is measured two times per month.

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

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



APPENDIX I
OCTOBER 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: 10/16/2017

Client Project ID: Rowe Industries

York Project (SDG) No.: 17J0173

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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132-02 89th AVENUE
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 10/16/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17J0173

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 October 05, 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>
17J0173-01	WQ1004945NP2-10	Water	10/04/2017	10/05/2017
17J0175-01	WQ1004950NP2-6	Water	10/04/2017	10/05/2017

General Notes for York Project (SDG) No.: 17J0173

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 10/16/2017





Sample Information

Client Sample ID: WQ1004945NP2-10

York Sample ID: 17J0173-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17J0173

Rowe Industries

Water

October 4, 2017 9:45 am

10/05/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:38	SS



Sample Information

Client Sample ID: WQ1004945NP2-10

York Sample ID: 17J0173-01

York Project (SDG) No.
17J0173

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 4, 2017 9:45 am

Date Received
10/05/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS



Sample Information

Client Sample ID: WQ1004945NP2-10

York Sample ID: 17J0173-01

York Project (SDG) No.
17J0173

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 4, 2017 9:45 am

Date Received
10/05/2017

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-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/10/2017 14:59	10/11/2017 02:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/10/2017 14:59	10/11/2017 02:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:38	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: Toluene-d8	98.8 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	98.4 %	79-122								

Iron by EPA 200.7

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ1004945NP2-10

York Sample ID: 17J0173-01

York Project (SDG) No.

17J0173

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 4, 2017 9:45 am

Date Received

10/05/2017

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	2.24	B	mg/L	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/13/2017 10:28	10/13/2017 20:36	KML

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	0.0361		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/13/2017 12:23	10/13/2017 21:53	KML

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	162		mg/L	10.0	1	SM 2540C Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP	10/10/2017 03:32	10/10/2017 03:32	AA

Sample Information

Client Sample ID: WQ1004950NP2-6

York Sample ID: 17J0175-01

York Project (SDG) No.

17J0175

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 4, 2017 9:50 am

Date Received

10/05/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS



Sample Information

Client Sample ID: WQ1004950NP2-6

York Sample ID: 17J0175-01

York Project (SDG) No.
17J0175

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 4, 2017 9:50 am

Date Received
10/05/2017

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
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 03:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 03:10	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 03:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 03:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 03:10	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 03:10	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 03:10	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 03:10	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS



Sample Information

Client Sample ID: WQ1004950NP2-6

York Sample ID: 17J0175-01

York Project (SDG) No.
17J0175

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 4, 2017 9:50 am

Date Received
10/05/2017

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
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 03:10	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 03:10	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 03:10	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 03:10	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/10/2017 14:59	10/11/2017 03:10	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/10/2017 14:59	10/11/2017 03:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS



Sample Information

Client Sample ID: WQ1004950NP2-6

York Sample ID: 17J0175-01

York Project (SDG) No.

17J0175

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 4, 2017 9:50 am

Date Received

10/05/2017

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
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
127-18-4	Tetrachloroethylene	0.22	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
79-01-6	Trichloroethylene	0.33	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 03:10	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: Toluene-d8	99.7 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	96.1 %	79-122								



Analytical Batch Summary

Batch ID: BJ70422 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
17J0173-01	WQ1004945NP2-10	10/10/17
BJ70422-BLK1	Blank	10/10/17

Batch ID: BJ70480 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17J0173-01	WQ1004945NP2-10	10/10/17
17J0175-01	WQ1004950NP2-6	10/10/17
BJ70480-BLK1	Blank	10/10/17
BJ70480-BS1	LCS	10/10/17
BJ70480-BSD1	LCS Dup	10/10/17

Batch ID: BJ70709 **Preparation Method:** EPA 200.7 **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17J0173-01	WQ1004945NP2-10	10/13/17
BJ70709-BLK1	Blank	10/13/17
BJ70709-SRM1	Reference	10/13/17

Batch ID: BJ70721 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17J0173-01	WQ1004945NP2-10	10/13/17
BJ70721-BLK1	Blank	10/13/17
BJ70721-SRM1	Reference	10/13/17



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
Batch BJ70480 - EPA 5030B											
Blank (BJ70480-BLK1)											
										Prepared: 10/10/2017 Analyzed: 10/11/2017	
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 BJ70480 - EPA 5030B

Blank (BJ70480-BLK1)

Prepared: 10/10/2017 Analyzed: 10/11/2017

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	9.96	"	10.0	99.6	69-130
Surrogate: Toluene-d8	10.0	"	10.0	100	81-117
Surrogate: p-Bromofluorobenzene	10.2	"	10.0	102	79-122

LCS (BJ70480-BS1)

Prepared & Analyzed: 10/10/2017

1,1,1,2-Tetrachloroethane	9.89	ug/L	10.0	98.9	82-126	
1,1,1-Trichloroethane	8.89	"	10.0	88.9	78-136	
1,1,2,2-Tetrachloroethane	11.2	"	10.0	112	76-129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	"	10.0	101	54-165	
1,1,2-Trichloroethane	10.4	"	10.0	104	82-123	
1,1-Dichloroethane	8.76	"	10.0	87.6	82-129	
1,1-Dichloroethylene	4.35	"	10.0	43.5	68-138	Low Bias
1,1-Dichloropropylene	9.16	"	10.0	91.6	83-133	
1,2,3-Trichlorobenzene	6.86	"	10.0	68.6	76-136	Low Bias
1,2,3-Trichloropropane	11.3	"	10.0	113	77-128	
1,2,4-Trichlorobenzene	6.97	"	10.0	69.7	76-137	Low Bias
1,2,4-Trimethylbenzene	9.98	"	10.0	99.8	82-132	
1,2-Dibromo-3-chloropropane	10.2	"	10.0	102	45-147	
1,2-Dibromoethane	10.8	"	10.0	108	83-124	
1,2-Dichlorobenzene	9.91	"	10.0	99.1	79-123	
1,2-Dichloroethane	8.98	"	10.0	89.8	73-132	
1,2-Dichloropropane	9.58	"	10.0	95.8	78-126	
1,3,5-Trimethylbenzene	10.4	"	10.0	104	80-131	
1,3-Dichlorobenzene	9.97	"	10.0	99.7	86-122	
1,3-Dichloropropane	10.4	"	10.0	104	81-125	
1,4-Dichlorobenzene	10.0	"	10.0	100	85-124	
2,2-Dichloropropane	7.17	"	10.0	71.7	56-150	
2-Chlorotoluene	10.0	"	10.0	100	79-130	
2-Hexanone	10.3	"	10.0	103	51-146	
4-Chlorotoluene	10.1	"	10.0	101	79-128	
Acetone	11.2	"	10.0	112	14-150	
Benzene	9.44	"	10.0	94.4	85-126	
Bromobenzene	10.2	"	10.0	102	78-129	
Bromochloromethane	8.85	"	10.0	88.5	77-128	
Bromodichloromethane	9.54	"	10.0	95.4	79-128	
Bromoform	11.0	"	10.0	110	78-133	
Bromomethane	0.750	"	10.0	7.50	43-168	Low Bias



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 BJ70480 - EPA 5030B

LCS (BJ70480-BS1)

Prepared & Analyzed: 10/10/2017

Carbon tetrachloride	8.96		ug/L	10.0		89.6	77-141				
Chlorobenzene	9.80		"	10.0		98.0	88-120				
Chloroethane	8.31		"	10.0		83.1	65-136				
Chloroform	8.93		"	10.0		89.3	82-128				
Chloromethane	5.68		"	10.0		56.8	43-155				
cis-1,2-Dichloroethylene	8.49		"	10.0		84.9	83-129				
cis-1,3-Dichloropropylene	9.94		"	10.0		99.4	80-131				
Dibromochloromethane	10.5		"	10.0		105	80-130				
Dibromomethane	10.2		"	10.0		102	72-134				
Dichlorodifluoromethane	10.5		"	10.0		105	44-144				
Ethyl Benzene	9.84		"	10.0		98.4	80-131				
Hexachlorobutadiene	4.35		"	10.0		43.5	67-146	Low Bias			
Isopropylbenzene	10.6		"	10.0		106	76-140				
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	76-135				
Methylene chloride	8.25		"	10.0		82.5	55-137				
Naphthalene	8.73		"	10.0		87.3	70-147				
n-Butylbenzene	9.00		"	10.0		90.0	79-132				
n-Propylbenzene	10.2		"	10.0		102	78-133				
o-Xylene	9.72		"	10.0		97.2	78-130				
p- & m- Xylenes	20.0		"	20.0		99.9	77-133				
p-Isopropyltoluene	9.71		"	10.0		97.1	81-136				
sec-Butylbenzene	10.0		"	10.0		100	79-137				
Styrene	9.94		"	10.0		99.4	67-132				
tert-Butylbenzene	10.2		"	10.0		102	77-138				
Tetrachloroethylene	11.2		"	10.0		112	82-131				
Toluene	9.66		"	10.0		96.6	80-127				
trans-1,2-Dichloroethylene	8.67		"	10.0		86.7	80-132				
trans-1,3-Dichloropropylene	9.97		"	10.0		99.7	78-131				
Trichloroethylene	9.38		"	10.0		93.8	82-128				
Trichlorofluoromethane	8.70		"	10.0		87.0	67-139				
Vinyl Chloride	8.16		"	10.0		81.6	58-145				
Surrogate: 1,2-Dichloroethane-d4	9.73		"	10.0		97.3	69-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70480 - EPA 5030B											
LCS Dup (BJ70480-BSD1)						Prepared: 10/10/2017 Analyzed: 10/11/2017					
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82-126		1.60	30	
1,1,1-Trichloroethane	9.00		"	10.0		90.0	78-136		1.23	30	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	76-129		2.16	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	54-165		0.693	30	
1,1,2-Trichloroethane	10.6		"	10.0		106	82-123		1.52	30	
1,1-Dichloroethane	8.84		"	10.0		88.4	82-129		0.909	30	
1,1-Dichloroethylene	4.39		"	10.0		43.9	68-138	Low Bias	0.915	30	
1,1-Dichloropropylene	9.27		"	10.0		92.7	83-133		1.19	30	
1,2,3-Trichlorobenzene	7.08		"	10.0		70.8	76-136	Low Bias	3.16	30	
1,2,3-Trichloropropane	11.2		"	10.0		112	77-128		0.800	30	
1,2,4-Trichlorobenzene	7.07		"	10.0		70.7	76-137	Low Bias	1.42	30	
1,2,4-Trimethylbenzene	9.70		"	10.0		97.0	82-132		2.85	30	
1,2-Dibromo-3-chloropropane	10.6		"	10.0		106	45-147		3.84	30	
1,2-Dibromoethane	10.9		"	10.0		109	83-124		1.29	30	
1,2-Dichlorobenzene	9.79		"	10.0		97.9	79-123		1.22	30	
1,2-Dichloroethane	9.17		"	10.0		91.7	73-132		2.09	30	
1,2-Dichloropropane	9.53		"	10.0		95.3	78-126		0.523	30	
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131		2.74	30	
1,3-Dichlorobenzene	9.79		"	10.0		97.9	86-122		1.82	30	
1,3-Dichloropropane	10.4		"	10.0		104	81-125		0.576	30	
1,4-Dichlorobenzene	9.98		"	10.0		99.8	85-124		0.400	30	
2,2-Dichloropropane	7.09		"	10.0		70.9	56-150		1.12	30	
2-Chlorotoluene	9.83		"	10.0		98.3	79-130		2.21	30	
2-Hexanone	10.4		"	10.0		104	51-146		1.55	30	
4-Chlorotoluene	9.92		"	10.0		99.2	79-128		1.60	30	
Acetone	11.2		"	10.0		112	14-150		0.00	30	
Benzene	9.51		"	10.0		95.1	85-126		0.739	30	
Bromobenzene	9.99		"	10.0		99.9	78-129		1.88	30	
Bromochloromethane	8.97		"	10.0		89.7	77-128		1.35	30	
Bromodichloromethane	9.59		"	10.0		95.9	79-128		0.523	30	
Bromoform	11.3		"	10.0		113	78-133		2.33	30	
Bromomethane	1.00		"	10.0		10.0	43-168	Low Bias	28.6	30	
Carbon tetrachloride	9.13		"	10.0		91.3	77-141		1.88	30	
Chlorobenzene	9.72		"	10.0		97.2	88-120		0.820	30	
Chloroethane	8.04		"	10.0		80.4	65-136		3.30	30	
Chloroform	9.07		"	10.0		90.7	82-128		1.56	30	
Chloromethane	5.82		"	10.0		58.2	43-155		2.43	30	
cis-1,2-Dichloroethylene	8.55		"	10.0		85.5	83-129		0.704	30	
cis-1,3-Dichloropropylene	9.91		"	10.0		99.1	80-131		0.302	30	
Dibromochloromethane	10.5		"	10.0		105	80-130		0.476	30	
Dibromomethane	10.3		"	10.0		103	72-134		1.27	30	
Dichlorodifluoromethane	10.7		"	10.0		107	44-144		1.79	30	
Ethyl Benzene	9.80		"	10.0		98.0	80-131		0.407	30	
Hexachlorobutadiene	4.47		"	10.0		44.7	67-146	Low Bias	2.72	30	
Isopropylbenzene	10.3		"	10.0		103	76-140		2.50	30	
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	76-135		2.80	30	
Methylene chloride	8.41		"	10.0		84.1	55-137		1.92	30	
Naphthalene	8.71		"	10.0		87.1	70-147		0.229	30	
n-Butylbenzene	8.84		"	10.0		88.4	79-132		1.79	30	
n-Propylbenzene	10.0		"	10.0		100	78-133		1.88	30	
o-Xylene	9.76		"	10.0		97.6	78-130		0.411	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 BJ70480 - EPA 5030B

LCS Dup (BJ70480-BSD1)

Prepared: 10/10/2017 Analyzed: 10/11/2017

p- & m- Xylenes	19.9		ug/L	20.0		99.7	77-133		0.200	30	
p-Isopropyltoluene	9.47		"	10.0		94.7	81-136		2.50	30	
sec-Butylbenzene	9.83		"	10.0		98.3	79-137		2.11	30	
Styrene	9.92		"	10.0		99.2	67-132		0.201	30	
tert-Butylbenzene	9.94		"	10.0		99.4	77-138		2.78	30	
Tetrachloroethylene	11.9		"	10.0		119	82-131		5.64	30	
Toluene	9.62		"	10.0		96.2	80-127		0.415	30	
trans-1,2-Dichloroethylene	8.77		"	10.0		87.7	80-132		1.15	30	
trans-1,3-Dichloropropylene	10.2		"	10.0		102	78-131		1.79	30	
Trichloroethylene	9.32		"	10.0		93.2	82-128		0.642	30	
Trichlorofluoromethane	8.88		"	10.0		88.8	67-139		2.05	30	
Vinyl Chloride	8.24		"	10.0		82.4	58-145		0.976	30	
Surrogate: 1,2-Dichloroethane-d4	9.93		"	10.0		99.3	69-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ70709 - EPA 200.7

Blank (BJ70709-BLK1)

Prepared & Analyzed: 10/13/2017

Iron	0.0387	0.0222	mg/L
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Reference (BJ70709-SRM1)

Prepared & Analyzed: 10/13/2017

Iron	1.11		ug/mL	1.40	79.3	84.9-115	Low Bias
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Batch BJ70721 - EPA 3015A

Blank (BJ70721-BLK1)

Prepared & Analyzed: 10/13/2017

Iron - Dissolved	ND	0.0222	mg/L
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Reference (BJ70721-SRM1)

Prepared & Analyzed: 10/13/2017

Iron - Dissolved	1.42		ug/mL	1.40	101	84.9-115
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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 BJ70422 - % Solids Prep

Blank (BJ70422-BLK1)

Prepared & Analyzed: 10/10/2017

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

Lab ID	Client Sample ID	Volatile Sample Container
17J0173-01	WQ1004945NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17J0175-01	WQ1004950NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

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

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.



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

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



YORK ANALYTICAL LABORATORIES
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Field Chain-of-Custody Record

Page 1 of 1

York Project No. 1750173

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.

[illegible]



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1750175 (a)
p. 1750173 (a)

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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.

[illegible]

APPENDIX II
OCTOBER 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: 10/11/2017

Client Project ID: NABSAG-Rowe Industries

York Project (SDG) No.: 17J0167

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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(203) 325-1371



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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 10/11/2017
Client Project ID: NABSAG-Rowe Industries
York Project (SDG) No.: 17J0167

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 October 05, 2017 and listed below. The project was identified as your project: **NABSAG-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>
17J0167-01	WQ1004171115NP1-1-2	Water	10/04/2017	10/05/2017

General Notes for York Project (SDG) No.: 17J0167

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 10/11/2017





Sample Information

Client Sample ID: WQ1004171115NP1-1-2

York Sample ID: 17J0167-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17J0167

NABSAG-Rowe Industries

Water

October 4, 2017 11:15 am

10/05/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:06	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:06	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:06	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:06	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:06	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:06	SS



Sample Information

Client Sample ID: WQ1004171115NP1-1-2

York Sample ID: 17J0167-01

York Project (SDG) No.
17J0167

Client Project ID
NABSAG-Rowe Industries

Matrix
Water

Collection Date/Time
October 4, 2017 11:15 am

Date Received
10/05/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:06	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:06	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:06	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:06	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:06	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS



Sample Information

Client Sample ID: WQ1004171115NP1-1-2

York Sample ID: 17J0167-01

York Project (SDG) No.

17J0167

Client Project ID

NABSAG-Rowe Industries

Matrix

Water

Collection Date/Time

October 4, 2017 11:15 am

Date Received

10/05/2017

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-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:06	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:06	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854-	10/10/2017 14:59	10/11/2017 02:06	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
127-18-4	Tetrachloroethylene	0.24	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
79-01-6	Trichloroethylene	0.34	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 14:59	10/11/2017 02:06	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: Toluene-d8	99.9 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	94.9 %	79-122								



Analytical Batch Summary

Batch ID: BJ70480

Preparation Method: EPA 5030B

Prepared By: RDS

YORK Sample ID	Client Sample ID	Preparation Date
17J0167-01	WQ1004171115NP1-1-2	10/10/17
BJ70480-BLK1	Blank	10/10/17
BJ70480-BS1	LCS	10/10/17
BJ70480-BSD1	LCS Dup	10/10/17



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 BJ70480 - EPA 5030B

Blank (BJ70480-BLK1)

Prepared: 10/10/2017 Analyzed: 10/11/2017

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
Batch BJ70480 - EPA 5030B											
Blank (BJ70480-BLK1)											
Prepared: 10/10/2017 Analyzed: 10/11/2017											
o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.96		"	10.0		99.6	69-130				
<i>Surrogate: Toluene-d8</i>	10.0		"	10.0		100	81-117				
<i>Surrogate: p-Bromofluorobenzene</i>	10.2		"	10.0		102	79-122				
LCS (BJ70480-BS1)											
Prepared & Analyzed: 10/10/2017											
1,1,1,2-Tetrachloroethane	9.89		ug/L	10.0		98.9	82-126				
1,1,1-Trichloroethane	8.89		"	10.0		88.9	78-136				
1,1,2,2-Tetrachloroethane	11.2		"	10.0		112	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	54-165				
1,1,2-Trichloroethane	10.4		"	10.0		104	82-123				
1,1-Dichloroethane	8.76		"	10.0		87.6	82-129				
1,1-Dichloroethylene	4.35		"	10.0		43.5	68-138	Low Bias			
1,1-Dichloropropylene	9.16		"	10.0		91.6	83-133				
1,2,3-Trichlorobenzene	6.86		"	10.0		68.6	76-136	Low Bias			
1,2,3-Trichloropropane	11.3		"	10.0		113	77-128				
1,2,4-Trichlorobenzene	6.97		"	10.0		69.7	76-137	Low Bias			
1,2,4-Trimethylbenzene	9.98		"	10.0		99.8	82-132				
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	45-147				
1,2-Dibromoethane	10.8		"	10.0		108	83-124				
1,2-Dichlorobenzene	9.91		"	10.0		99.1	79-123				
1,2-Dichloroethane	8.98		"	10.0		89.8	73-132				
1,2-Dichloropropane	9.58		"	10.0		95.8	78-126				
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131				
1,3-Dichlorobenzene	9.97		"	10.0		99.7	86-122				
1,3-Dichloropropane	10.4		"	10.0		104	81-125				
1,4-Dichlorobenzene	10.0		"	10.0		100	85-124				
2,2-Dichloropropane	7.17		"	10.0		71.7	56-150				
2-Chlorotoluene	10.0		"	10.0		100	79-130				
2-Hexanone	10.3		"	10.0		103	51-146				
4-Chlorotoluene	10.1		"	10.0		101	79-128				
Acetone	11.2		"	10.0		112	14-150				
Benzene	9.44		"	10.0		94.4	85-126				
Bromobenzene	10.2		"	10.0		102	78-129				
Bromochloromethane	8.85		"	10.0		88.5	77-128				
Bromodichloromethane	9.54		"	10.0		95.4	79-128				
Bromoform	11.0		"	10.0		110	78-133				
Bromomethane	0.750		"	10.0		7.50	43-168	Low Bias			



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 BJ70480 - EPA 5030B

LCS (BJ70480-BS1)

Prepared & Analyzed: 10/10/2017

Carbon tetrachloride	8.96		ug/L	10.0		89.6	77-141				
Chlorobenzene	9.80		"	10.0		98.0	88-120				
Chloroethane	8.31		"	10.0		83.1	65-136				
Chloroform	8.93		"	10.0		89.3	82-128				
Chloromethane	5.68		"	10.0		56.8	43-155				
cis-1,2-Dichloroethylene	8.49		"	10.0		84.9	83-129				
cis-1,3-Dichloropropylene	9.94		"	10.0		99.4	80-131				
Dibromochloromethane	10.5		"	10.0		105	80-130				
Dibromomethane	10.2		"	10.0		102	72-134				
Dichlorodifluoromethane	10.5		"	10.0		105	44-144				
Ethyl Benzene	9.84		"	10.0		98.4	80-131				
Hexachlorobutadiene	4.35		"	10.0		43.5	67-146	Low Bias			
Isopropylbenzene	10.6		"	10.0		106	76-140				
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	76-135				
Methylene chloride	8.25		"	10.0		82.5	55-137				
Naphthalene	8.73		"	10.0		87.3	70-147				
n-Butylbenzene	9.00		"	10.0		90.0	79-132				
n-Propylbenzene	10.2		"	10.0		102	78-133				
o-Xylene	9.72		"	10.0		97.2	78-130				
p- & m- Xylenes	20.0		"	20.0		99.9	77-133				
p-Isopropyltoluene	9.71		"	10.0		97.1	81-136				
sec-Butylbenzene	10.0		"	10.0		100	79-137				
Styrene	9.94		"	10.0		99.4	67-132				
tert-Butylbenzene	10.2		"	10.0		102	77-138				
Tetrachloroethylene	11.2		"	10.0		112	82-131				
Toluene	9.66		"	10.0		96.6	80-127				
trans-1,2-Dichloroethylene	8.67		"	10.0		86.7	80-132				
trans-1,3-Dichloropropylene	9.97		"	10.0		99.7	78-131				
Trichloroethylene	9.38		"	10.0		93.8	82-128				
Trichlorofluoromethane	8.70		"	10.0		87.0	67-139				
Vinyl Chloride	8.16		"	10.0		81.6	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.73</i>		<i>"</i>	<i>10.0</i>		<i>97.3</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</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 BJ70480 - EPA 5030B											
LCS Dup (BJ70480-BSD1)						Prepared: 10/10/2017 Analyzed: 10/11/2017					
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82-126		1.60	30	
1,1,1-Trichloroethane	9.00		"	10.0		90.0	78-136		1.23	30	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	76-129		2.16	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	54-165		0.693	30	
1,1,2-Trichloroethane	10.6		"	10.0		106	82-123		1.52	30	
1,1-Dichloroethane	8.84		"	10.0		88.4	82-129		0.909	30	
1,1-Dichloroethylene	4.39		"	10.0		43.9	68-138	Low Bias	0.915	30	
1,1-Dichloropropylene	9.27		"	10.0		92.7	83-133		1.19	30	
1,2,3-Trichlorobenzene	7.08		"	10.0		70.8	76-136	Low Bias	3.16	30	
1,2,3-Trichloropropane	11.2		"	10.0		112	77-128		0.800	30	
1,2,4-Trichlorobenzene	7.07		"	10.0		70.7	76-137	Low Bias	1.42	30	
1,2,4-Trimethylbenzene	9.70		"	10.0		97.0	82-132		2.85	30	
1,2-Dibromo-3-chloropropane	10.6		"	10.0		106	45-147		3.84	30	
1,2-Dibromoethane	10.9		"	10.0		109	83-124		1.29	30	
1,2-Dichlorobenzene	9.79		"	10.0		97.9	79-123		1.22	30	
1,2-Dichloroethane	9.17		"	10.0		91.7	73-132		2.09	30	
1,2-Dichloropropane	9.53		"	10.0		95.3	78-126		0.523	30	
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131		2.74	30	
1,3-Dichlorobenzene	9.79		"	10.0		97.9	86-122		1.82	30	
1,3-Dichloropropane	10.4		"	10.0		104	81-125		0.576	30	
1,4-Dichlorobenzene	9.98		"	10.0		99.8	85-124		0.400	30	
2,2-Dichloropropane	7.09		"	10.0		70.9	56-150		1.12	30	
2-Chlorotoluene	9.83		"	10.0		98.3	79-130		2.21	30	
2-Hexanone	10.4		"	10.0		104	51-146		1.55	30	
4-Chlorotoluene	9.92		"	10.0		99.2	79-128		1.60	30	
Acetone	11.2		"	10.0		112	14-150		0.00	30	
Benzene	9.51		"	10.0		95.1	85-126		0.739	30	
Bromobenzene	9.99		"	10.0		99.9	78-129		1.88	30	
Bromochloromethane	8.97		"	10.0		89.7	77-128		1.35	30	
Bromodichloromethane	9.59		"	10.0		95.9	79-128		0.523	30	
Bromoform	11.3		"	10.0		113	78-133		2.33	30	
Bromomethane	1.00		"	10.0		10.0	43-168	Low Bias	28.6	30	
Carbon tetrachloride	9.13		"	10.0		91.3	77-141		1.88	30	
Chlorobenzene	9.72		"	10.0		97.2	88-120		0.820	30	
Chloroethane	8.04		"	10.0		80.4	65-136		3.30	30	
Chloroform	9.07		"	10.0		90.7	82-128		1.56	30	
Chloromethane	5.82		"	10.0		58.2	43-155		2.43	30	
cis-1,2-Dichloroethylene	8.55		"	10.0		85.5	83-129		0.704	30	
cis-1,3-Dichloropropylene	9.91		"	10.0		99.1	80-131		0.302	30	
Dibromochloromethane	10.5		"	10.0		105	80-130		0.476	30	
Dibromomethane	10.3		"	10.0		103	72-134		1.27	30	
Dichlorodifluoromethane	10.7		"	10.0		107	44-144		1.79	30	
Ethyl Benzene	9.80		"	10.0		98.0	80-131		0.407	30	
Hexachlorobutadiene	4.47		"	10.0		44.7	67-146	Low Bias	2.72	30	
Isopropylbenzene	10.3		"	10.0		103	76-140		2.50	30	
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	76-135		2.80	30	
Methylene chloride	8.41		"	10.0		84.1	55-137		1.92	30	
Naphthalene	8.71		"	10.0		87.1	70-147		0.229	30	
n-Butylbenzene	8.84		"	10.0		88.4	79-132		1.79	30	
n-Propylbenzene	10.0		"	10.0		100	78-133		1.88	30	
o-Xylene	9.76		"	10.0		97.6	78-130		0.411	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 BJ70480 - EPA 5030B

LCS Dup (BJ70480-BSD1)

Prepared: 10/10/2017 Analyzed: 10/11/2017

p- & m- Xylenes	19.9		ug/L	20.0		99.7	77-133		0.200	30	
p-Isopropyltoluene	9.47		"	10.0		94.7	81-136		2.50	30	
sec-Butylbenzene	9.83		"	10.0		98.3	79-137		2.11	30	
Styrene	9.92		"	10.0		99.2	67-132		0.201	30	
tert-Butylbenzene	9.94		"	10.0		99.4	77-138		2.78	30	
Tetrachloroethylene	11.9		"	10.0		119	82-131		5.64	30	
Toluene	9.62		"	10.0		96.2	80-127		0.415	30	
trans-1,2-Dichloroethylene	8.77		"	10.0		87.7	80-132		1.15	30	
trans-1,3-Dichloropropylene	10.2		"	10.0		102	78-131		1.79	30	
Trichloroethylene	9.32		"	10.0		93.2	82-128		0.642	30	
Trichlorofluoromethane	8.88		"	10.0		88.8	67-139		2.05	30	
Vinyl Chloride	8.24		"	10.0		82.4	58-145		0.976	30	
Surrogate: 1,2-Dichloroethane-d4	9.93		"	10.0		99.3	69-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17J0167-01	WQ1004171115NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

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

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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





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Field Chain-of-Custody Record

YORK Project No.

270561

Page 1 of 1

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

[illegible]



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 10/11/2017

Client Project ID: Rowe Industries

York Project (SDG) No.: 17J0171

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: 10/11/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17J0171

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 October 05, 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>
17J0171-01	WQ1004171217FRW-1	Water	10/04/2017	10/05/2017
17J0171-02	WQ1004171217FRW-2	Water	10/04/2017	10/05/2017
17J0171-03	WQ1004171217FRW-3	Water	10/04/2017	10/05/2017
17J0171-04	WQ1004171217FRW-4	Water	10/04/2017	10/05/2017

General Notes for York Project (SDG) No.: 17J0171

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 10/11/2017





Sample Information

Client Sample ID: WQ1004171217FRW-1

York Sample ID: 17J0171-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17J0171

Rowe Industries

Water

October 4, 2017 12:17 pm

10/05/2017

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:	10/10/2017 05:29 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	AS-
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	AS-
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	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:	10/10/2017 05:29 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	AS-
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	AS-
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	AS-
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	AS-
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 05:29	AS-
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 05:29	AS-
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 05:29	AS-
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 05:29	AS-
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	AS-
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	AS-
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	AS-
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	AS-
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	AS-
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	AS-
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	AS-
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	AS-
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 05:29	AS-
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	AS-
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/10/2017 05:29 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 05:29	AS-



Sample Information

Client Sample ID: WQ1004171217FRW-1

York Sample ID: 17J0171-01

York Project (SDG) No.
17J0171

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 4, 2017 12:17 pm

Date Received
10/05/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 05:29	10/10/2017 05:29	AS-
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 05:29	10/10/2017 05:29	AS-
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
156-59-2	cis-1,2-Dichloroethylene	7.8		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 05:29	10/10/2017 05:29	AS-
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 05:29	10/10/2017 05:29	AS-
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 05:29	10/10/2017 05:29	AS-
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-



Sample Information

Client Sample ID: WQ1004171217FRW-1

York Sample ID: 17J0171-01

York Project (SDG) No.
17J0171

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 4, 2017 12:17 pm

Date Received
10/05/2017

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-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 05:29	10/10/2017 05:29	AS-
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/10/2017 05:29	10/10/2017 05:29	AS-
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/10/2017 05:29	10/10/2017 05:29	AS-
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
127-18-4	Tetrachloroethylene	56		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
79-01-6	Trichloroethylene	1.7		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 05:29	10/10/2017 05:29	AS-
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	100 %	69-130								
2037-26-5	Surrogate: Toluene-d8	109 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	113 %	79-122								



Sample Information

Client Sample ID: WQ1004171217FRW-2

York Sample ID: 17J0171-02

York Project (SDG) No.
17J0171

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 4, 2017 12:15 pm

Date Received
10/05/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	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-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 06:21	10/10/2017 06:21	AS-
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 06:21	10/10/2017 06:21	AS-
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 06:21	10/10/2017 06:21	AS-
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 06:21	10/10/2017 06:21	AS-
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 06:21	10/10/2017 06:21	AS-
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 06:21	10/10/2017 06:21	AS-
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-



Sample Information

Client Sample ID: WQ1004171217FRW-2

York Sample ID: 17J0171-02

York Project (SDG) No.
17J0171

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 4, 2017 12:15 pm

Date Received
10/05/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
67-64-1	Acetone	5.0		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854- CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854- CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
156-59-2	cis-1,2-Dichloroethylene	0.91		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854- CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854- CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854- CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-



Sample Information

Client Sample ID: WQ1004171217FRW-2

York Sample ID: 17J0171-02

York Project (SDG) No.
17J0171

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 4, 2017 12:15 pm

Date Received
10/05/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 06:21	10/10/2017 06:21	AS-
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/10/2017 06:21	10/10/2017 06:21	AS-
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/10/2017 06:21	10/10/2017 06:21	AS-
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
127-18-4	Tetrachloroethylene	50		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
79-01-6	Trichloroethylene	2.7		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 06:21	10/10/2017 06:21	AS-
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.2 %	69-130								
2037-26-5	Surrogate: Toluene-d8	109 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	112 %	79-122								



Sample Information

Client Sample ID: WQ1004171217FRW-3

York Sample ID: 17J0171-03

York Project (SDG) No.
17J0171

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 4, 2017 12:25 pm

Date Received
10/05/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	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-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 07:13	10/10/2017 07:13	AS-
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 07:13	10/10/2017 07:13	AS-
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 07:13	10/10/2017 07:13	AS-
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 07:13	10/10/2017 07:13	AS-
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 07:13	10/10/2017 07:13	AS-
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 07:13	10/10/2017 07:13	AS-
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-



Sample Information

Client Sample ID: WQ1004171217FRW-3

York Sample ID: 17J0171-03

York Project (SDG) No.
17J0171

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 4, 2017 12:25 pm

Date Received
10/05/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
67-64-1	Acetone	2.7		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854- CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854- CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
156-59-2	cis-1,2-Dichloroethylene	15		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854- CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854- CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854- CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
98-82-8	Isopropylbenzene	0.48	CCV-A, J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-



Sample Information

Client Sample ID: WQ1004171217FRW-3

York Sample ID: 17J0171-03

York Project (SDG) No.
17J0171

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 4, 2017 12:25 pm

Date Received
10/05/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
103-65-1	n-Propylbenzene	0.40	CCV-A, J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/10/2017 07:13	10/10/2017 07:13	AS-
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/10/2017 07:13	10/10/2017 07:13	AS-
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
127-18-4	Tetrachloroethylene	21		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
79-01-6	Trichloroethylene	6.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
75-01-4	Vinyl Chloride	1.2	CCV-A	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 07:13	10/10/2017 07:13	AS-
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.8 %	69-130								
2037-26-5	Surrogate: Toluene-d8	109 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	118 %	79-122								



Sample Information

Client Sample ID: WQ1004171217FRW-4

York Sample ID: 17J0171-04

York Project (SDG) No.
17J0171

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 4, 2017 12:20 pm

Date Received
10/05/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	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-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 08:05	10/10/2017 08:05	AS-
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 08:05	10/10/2017 08:05	AS-
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 08:05	10/10/2017 08:05	AS-
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 08:05	10/10/2017 08:05	AS-
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 08:05	10/10/2017 08:05	AS-
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 08:05	10/10/2017 08:05	AS-
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-



Sample Information

Client Sample ID: WQ1004171217FRW-4

York Sample ID: 17J0171-04

York Project (SDG) No.
17J0171

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 4, 2017 12:20 pm

Date Received
10/05/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 08:05	10/10/2017 08:05	AS-
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 08:05	10/10/2017 08:05	AS-
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
156-59-2	cis-1,2-Dichloroethylene	4.1		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 08:05	10/10/2017 08:05	AS-
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 08:05	10/10/2017 08:05	AS-
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 08:05	10/10/2017 08:05	AS-
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-



Sample Information

Client Sample ID: WQ1004171217FRW-4

York Sample ID: 17J0171-04

York Project (SDG) No.
17J0171

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 4, 2017 12:20 pm

Date Received
10/05/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/10/2017 08:05	10/10/2017 08:05	AS-
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/10/2017 08:05	10/10/2017 08:05	AS-
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/10/2017 08:05	10/10/2017 08:05	AS-
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
127-18-4	Tetrachloroethylene	9.8		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
79-01-6	Trichloroethylene	3.9		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/10/2017 08:05	10/10/2017 08:05	AS-
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: Toluene-d8	108 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	116 %	79-122								



Analytical Batch Summary

Batch ID: BJ70351

Preparation Method: EPA 5030B

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
17J0171-01	WQ1004171217FRW-1	10/10/17
17J0171-02	WQ1004171217FRW-2	10/10/17
17J0171-03	WQ1004171217FRW-3	10/10/17
17J0171-04	WQ1004171217FRW-4	10/10/17
BJ70351-BLK1	Blank	10/09/17
BJ70351-BS1	LCS	10/09/17
BJ70351-BSD1	LCS Dup	10/09/17



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 BJ70351 - EPA 5030B

Blank (BJ70351-BLK1)

Prepared & Analyzed: 10/09/2017

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ70351 - EPA 5030B

Blank (BJ70351-BLK1)

Prepared & Analyzed: 10/09/2017

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

Surrogate: 1,2-Dichloroethane-d4	10.1	"	10.0	101	69-130
Surrogate: Toluene-d8	10.9	"	10.0	109	81-117
Surrogate: p-Bromofluorobenzene	11.6	"	10.0	116	79-122

LCS (BJ70351-BS1)

Prepared & Analyzed: 10/09/2017

1,1,1,2-Tetrachloroethane	9.11	ug/L	10.0	91.1	82-126	
1,1,1-Trichloroethane	7.58	"	10.0	75.8	78-136	Low Bias
1,1,2,2-Tetrachloroethane	11.0	"	10.0	110	76-129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.25	"	10.0	72.5	54-165	
1,1,2-Trichloroethane	9.54	"	10.0	95.4	82-123	
1,1-Dichloroethane	7.83	"	10.0	78.3	82-129	Low Bias
1,1-Dichloroethylene	7.34	"	10.0	73.4	68-138	
1,1-Dichloropropylene	7.44	"	10.0	74.4	83-133	Low Bias
1,2,3-Trichlorobenzene	9.86	"	10.0	98.6	76-136	
1,2,3-Trichloropropane	10.6	"	10.0	106	77-128	
1,2,4-Trichlorobenzene	9.86	"	10.0	98.6	76-137	
1,2,4-Trimethylbenzene	11.1	"	10.0	111	82-132	
1,2-Dibromo-3-chloropropane	9.44	"	10.0	94.4	45-147	
1,2-Dibromoethane	9.15	"	10.0	91.5	83-124	
1,2-Dichlorobenzene	10.5	"	10.0	105	79-123	
1,2-Dichloroethane	7.68	"	10.0	76.8	73-132	
1,2-Dichloropropane	9.36	"	10.0	93.6	78-126	
1,3,5-Trimethylbenzene	11.2	"	10.0	112	80-131	
1,3-Dichlorobenzene	10.4	"	10.0	104	86-122	
1,3-Dichloropropane	9.62	"	10.0	96.2	81-125	
1,4-Dichlorobenzene	10.6	"	10.0	106	85-124	
2,2-Dichloropropane	7.12	"	10.0	71.2	56-150	
2-Chlorotoluene	11.0	"	10.0	110	79-130	
2-Hexanone	9.51	"	10.0	95.1	51-146	
4-Chlorotoluene	11.1	"	10.0	111	79-128	
Acetone	8.53	"	10.0	85.3	14-150	
Benzene	7.89	"	10.0	78.9	85-126	Low Bias
Bromobenzene	11.0	"	10.0	110	78-129	
Bromochloromethane	8.00	"	10.0	80.0	77-128	
Bromodichloromethane	8.90	"	10.0	89.0	79-128	
Bromoform	8.01	"	10.0	80.1	78-133	
Bromomethane	1.23	"	10.0	12.3	43-168	Low Bias



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 BJ70351 - EPA 5030B

LCS (BJ70351-BS1)

Prepared & Analyzed: 10/09/2017

Carbon tetrachloride	7.16		ug/L	10.0		71.6	77-141	Low Bias			
Chlorobenzene	9.60		"	10.0		96.0	88-120				
Chloroethane	7.41		"	10.0		74.1	65-136				
Chloroform	7.74		"	10.0		77.4	82-128	Low Bias			
Chloromethane	5.42		"	10.0		54.2	43-155				
cis-1,2-Dichloroethylene	7.74		"	10.0		77.4	83-129	Low Bias			
cis-1,3-Dichloropropylene	8.93		"	10.0		89.3	80-131				
Dibromochloromethane	8.75		"	10.0		87.5	80-130				
Dibromomethane	8.95		"	10.0		89.5	72-134				
Dichlorodifluoromethane	4.98		"	10.0		49.8	44-144				
Ethyl Benzene	9.97		"	10.0		99.7	80-131				
Hexachlorobutadiene	8.46		"	10.0		84.6	67-146				
Isopropylbenzene	11.4		"	10.0		114	76-140				
Methyl tert-butyl ether (MTBE)	7.76		"	10.0		77.6	76-135				
Methylene chloride	7.71		"	10.0		77.1	55-137				
Naphthalene	10.1		"	10.0		101	70-147				
n-Butylbenzene	10.6		"	10.0		106	79-132				
n-Propylbenzene	11.5		"	10.0		115	78-133				
o-Xylene	9.66		"	10.0		96.6	78-130				
p- & m- Xylenes	20.6		"	20.0		103	77-133				
p-Isopropyltoluene	11.0		"	10.0		110	81-136				
sec-Butylbenzene	11.1		"	10.0		111	79-137				
Styrene	9.36		"	10.0		93.6	67-132				
tert-Butylbenzene	11.1		"	10.0		111	77-138				
Tetrachloroethylene	9.45		"	10.0		94.5	82-131				
Toluene	9.63		"	10.0		96.3	80-127				
trans-1,2-Dichloroethylene	7.48		"	10.0		74.8	80-132	Low Bias			
trans-1,3-Dichloropropylene	8.77		"	10.0		87.7	78-131				
Trichloroethylene	9.14		"	10.0		91.4	82-128				
Trichlorofluoromethane	7.08		"	10.0		70.8	67-139				
Vinyl Chloride	6.13		"	10.0		61.3	58-145				
Surrogate: 1,2-Dichloroethane-d4	9.85		"	10.0		98.5	69-130				
Surrogate: Toluene-d8	11.0		"	10.0		110	81-117				
Surrogate: p-Bromofluorobenzene	11.1		"	10.0		111	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 BJ70351 - EPA 5030B											
LCS Dup (BJ70351-BSD1)						Prepared & Analyzed: 10/09/2017					
1,1,1,2-Tetrachloroethane	9.41		ug/L	10.0		94.1	82-126		3.24	30	
1,1,1-Trichloroethane	7.67		"	10.0		76.7	78-136	Low Bias	1.18	30	
1,1,2,2-Tetrachloroethane	11.3		"	10.0		113	76-129		2.60	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.36		"	10.0		73.6	54-165		1.51	30	
1,1,2-Trichloroethane	9.88		"	10.0		98.8	82-123		3.50	30	
1,1-Dichloroethane	8.03		"	10.0		80.3	82-129	Low Bias	2.52	30	
1,1-Dichloroethylene	7.48		"	10.0		74.8	68-138		1.89	30	
1,1-Dichloropropylene	7.53		"	10.0		75.3	83-133	Low Bias	1.20	30	
1,2,3-Trichlorobenzene	10.7		"	10.0		107	76-136		8.45	30	
1,2,3-Trichloropropane	11.2		"	10.0		112	77-128		5.95	30	
1,2,4-Trichlorobenzene	10.4		"	10.0		104	76-137		5.52	30	
1,2,4-Trimethylbenzene	11.1		"	10.0		111	82-132		0.0900	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	45-147		7.25	30	
1,2-Dibromoethane	9.66		"	10.0		96.6	83-124		5.42	30	
1,2-Dichlorobenzene	10.6		"	10.0		106	79-123		1.33	30	
1,2-Dichloroethane	8.16		"	10.0		81.6	73-132		6.06	30	
1,2-Dichloropropane	9.49		"	10.0		94.9	78-126		1.38	30	
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131		0.535	30	
1,3-Dichlorobenzene	10.6		"	10.0		106	86-122		2.09	30	
1,3-Dichloropropane	10.0		"	10.0		100	81-125		3.97	30	
1,4-Dichlorobenzene	10.8		"	10.0		108	85-124		1.96	30	
2,2-Dichloropropane	7.28		"	10.0		72.8	56-150		2.22	30	
2-Chlorotoluene	11.1		"	10.0		111	79-130		0.817	30	
2-Hexanone	10.3		"	10.0		103	51-146		8.07	30	
4-Chlorotoluene	11.2		"	10.0		112	79-128		0.449	30	
Acetone	10.3		"	10.0		103	14-150		18.8	30	
Benzene	8.04		"	10.0		80.4	85-126	Low Bias	1.88	30	
Bromobenzene	11.2		"	10.0		112	78-129		2.34	30	
Bromochloromethane	8.12		"	10.0		81.2	77-128		1.49	30	
Bromodichloromethane	9.13		"	10.0		91.3	79-128		2.55	30	
Bromoform	8.44		"	10.0		84.4	78-133		5.23	30	
Bromomethane	1.52		"	10.0		15.2	43-168	Low Bias	21.1	30	
Carbon tetrachloride	7.28		"	10.0		72.8	77-141	Low Bias	1.66	30	
Chlorobenzene	9.94		"	10.0		99.4	88-120		3.48	30	
Chloroethane	7.72		"	10.0		77.2	65-136		4.10	30	
Chloroform	7.99		"	10.0		79.9	82-128	Low Bias	3.18	30	
Chloromethane	5.52		"	10.0		55.2	43-155		1.83	30	
cis-1,2-Dichloroethylene	7.86		"	10.0		78.6	83-129	Low Bias	1.54	30	
cis-1,3-Dichloropropylene	9.23		"	10.0		92.3	80-131		3.30	30	
Dibromochloromethane	9.03		"	10.0		90.3	80-130		3.15	30	
Dibromomethane	9.22		"	10.0		92.2	72-134		2.97	30	
Dichlorodifluoromethane	5.10		"	10.0		51.0	44-144		2.38	30	
Ethyl Benzene	10.1		"	10.0		101	80-131		1.49	30	
Hexachlorobutadiene	8.62		"	10.0		86.2	67-146		1.87	30	
Isopropylbenzene	11.5		"	10.0		115	76-140		0.786	30	
Methyl tert-butyl ether (MTBE)	8.17		"	10.0		81.7	76-135		5.15	30	
Methylene chloride	7.90		"	10.0		79.0	55-137		2.43	30	
Naphthalene	11.0		"	10.0		110	70-147		8.46	30	
n-Butylbenzene	10.6		"	10.0		106	79-132		0.849	30	
n-Propylbenzene	11.5		"	10.0		115	78-133		0.261	30	
o-Xylene	9.86		"	10.0		98.6	78-130		2.05	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 BJ70351 - EPA 5030B

LCS Dup (BJ70351-BSD1)

Prepared & Analyzed: 10/09/2017

p- & m- Xylenes	20.9		ug/L	20.0		105	77-133		1.74	30
p-Isopropyltoluene	11.0		"	10.0		110	81-136		0.455	30
sec-Butylbenzene	11.2		"	10.0		112	79-137		0.537	30
Styrene	9.75		"	10.0		97.5	67-132		4.08	30
tert-Butylbenzene	11.2		"	10.0		112	77-138		1.08	30
Tetrachloroethylene	9.98		"	10.0		99.8	82-131		5.46	30
Toluene	9.79		"	10.0		97.9	80-127		1.65	30
trans-1,2-Dichloroethylene	7.50		"	10.0		75.0	80-132	Low Bias	0.267	30
trans-1,3-Dichloropropylene	9.06		"	10.0		90.6	78-131		3.25	30
Trichloroethylene	9.49		"	10.0		94.9	82-128		3.76	30
Trichlorofluoromethane	7.25		"	10.0		72.5	67-139		2.37	30
Vinyl Chloride	6.39		"	10.0		63.9	58-145		4.15	30
Surrogate: 1,2-Dichloroethane-d4	10.0		"	10.0		100	69-130			
Surrogate: Toluene-d8	10.9		"	10.0		109	81-117			
Surrogate: p-Bromofluorobenzene	11.0		"	10.0		110	79-122			



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17J0171-01	WQ1004171217FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17J0171-02	WQ1004171217FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17J0171-03	WQ1004171217FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17J0171-04	WQ1004171217FRW-4	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.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to detected analytes only.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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





York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

WORK Project No.

12.10521

Page 1 of 1

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

YOUR INFORMATION				Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: LBG	Company:	Company:	Company:	Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.	YOUR PO#: HAB SAG		Compared to the following Regulation(s): (please fill in)	
Address: 4 Research Dr. Suite 204 Shelton CT. 06484	Address:	Address:	Address:	S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other	New York New Jersey Connecticut Pennsylvania Other	Summary Report PDF QA Report PDF NY ASP A Package NY ASP B Package Standard Excel	Standard Excel EDD EQULS (Standard) NYSDEC EQULS NUDEP SRP HazSite Other:	YOUR Project Name Roxe Industries		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Phone: 203-929-8550	Phone:	Phone:	Phone:	Sample Matrix GW	Date/Time Sampled 10-4-17	Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free	Container Description 3 VDA	YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Contact: Tundra Sandor	Contact:	Contact:	Contact:	Sample Identification WQ100417 1217 FRW-1 1215 FRW-2 1225 FRW-3 1220 FRW-4	Date/Time Sampled 10-4-17	Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free	Container Description 3 VDA	YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
E-mail: TSandor@LBGCT.com	E-mail:	E-mail:	E-mail:	Sample Identification WQ100417 1217 FRW-1 1215 FRW-2 1225 FRW-3 1220 FRW-4	Date/Time Sampled 10-4-17	Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free	Container Description 3 VDA	YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.				Samples Collected by: (print your name above and sign below) Scott Philbrick		Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free		YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Samples Collected by: (print your name above and sign below) TSandor				Samples Collected by: (print your name above and sign below) TSandor		Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free		YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Sample Identification WQ100417 1217 FRW-1 1215 FRW-2 1225 FRW-3 1220 FRW-4				Date/Time Sampled 10-4-17		Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free		YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Sample Identification WQ100417 1217 FRW-1 1215 FRW-2 1225 FRW-3 1220 FRW-4				Date/Time Sampled 10-4-17		Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free		YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Sample Identification WQ100417 1217 FRW-1 1215 FRW-2 1225 FRW-3 1220 FRW-4				Date/Time Sampled 10-4-17		Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free		YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Sample Identification WQ100417 1217 FRW-1 1215 FRW-2 1225 FRW-3 1220 FRW-4				Date/Time Sampled 10-4-17		Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free		YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Sample Identification WQ100417 1217 FRW-1 1215 FRW-2 1225 FRW-3 1220 FRW-4				Date/Time Sampled 10-4-17		Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free		YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Sample Identification WQ100417 1217 FRW-1 1215 FRW-2 1225 FRW-3 1220 FRW-4				Date/Time Sampled 10-4-17		Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free		YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Sample Identification WQ100417 1217 FRW-1 1215 FRW-2 1225 FRW-3 1220 FRW-4				Date/Time Sampled 10-4-17		Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free		YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Sample Identification WQ100417 1217 FRW-1 1215 FRW-2 1225 FRW-3 1220 FRW-4				Date/Time Sampled 10-4-17		Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free		YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Sample Identification WQ100417 1217 FRW-1 1215 FRW-2 1225 FRW-3 1220 FRW-4				Date/Time Sampled 10-4-17		Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free		YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Sample Identification WQ100417 1217 FRW-1 1215 FRW-2 1225 FRW-3 1220 FRW-4				Date/Time Sampled 10-4-17		Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free		YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Sample Identification WQ100417 1217 FRW-1 1215 FRW-2 1225 FRW-3 1220 FRW-4				Date/Time Sampled 10-4-17		Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free		YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Sample Identification WQ100417 1217 FRW-1 1215 FRW-2 1225 FRW-3 1220 FRW-4				Date/Time Sampled 10-4-17		Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free		YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Sample Identification WQ100417 1217 FRW-1 1215 FRW-2 1225 FRW-3 1220 FRW-4				Date/Time Sampled 10-4-17		Analysis Requested VOC 8260 Full List (EPA SW 846-8260) + free		YOUR PO#: HAB SAG		RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X	
Sample Identification WQ10											

APPENDIX III
OCTOBER 2017 LABORATORY ANALYTICAL REPORTS
FOR AIR SAMPLES



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 10/12/2017

Client Project ID: Rowe Industries

York Project (SDG) No.: 17J0161

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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STRATFORD, CT 06615
(203) 325-1371



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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 10/12/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17J0161

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 October 05, 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>
17J0161-01	AQ100417945NP4-1	Vapor Extraction	10/04/2017	10/05/2017
17J0161-02	AQ100417945NP4-3	Vapor Extraction	10/04/2017	10/05/2017

General Notes for York Project (SDG) No.: 17J0161

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 10/12/2017





Sample Information

Client Sample ID: AQ100417945NP4-1

York Sample ID: 17J0161-01

York Project (SDG) No.

17J0161

Client Project ID

Rowe Industries

Matrix

Vapor Extraction

Collection Date/Time

October 4, 2017 3:00 pm

Date Received

10/05/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	9.4	13.67	EPA TO-15 Certifications:	10/06/2017 15:01	10/06/2017 15:01	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	7.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	9.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	10	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	7.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	5.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	5.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	10	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	6.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	11	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	8.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	5.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	6.3	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	9.6	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	6.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	9.1	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	8.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	6.3	13.67	EPA TO-15 Certifications:	10/06/2017 15:01	10/06/2017 15:01	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	8.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	9.9	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
78-93-3	2-Butanone	ND		ug/m ³	4.0	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	11	13.67	EPA TO-15 Certifications:	10/06/2017 15:01	10/06/2017 15:01	LDS



Sample Information

Client Sample ID: AQ100417945NP4-1

York Sample ID: 17J0161-01

York Project (SDG) No.
17J0161

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 4, 2017 3:00 pm

Date Received
10/05/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	21	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	5.6	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
67-64-1	Acetone	ND		ug/m ³	6.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	3.0	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
71-43-2	Benzene	ND		ug/m ³	4.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	7.1	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	9.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
75-25-2	Bromoform	ND		ug/m ³	14	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
74-83-9	Bromomethane	ND		ug/m ³	5.3	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	4.3	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	6.3	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
75-00-3	Chloroethane	ND		ug/m ³	3.6	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
67-66-3	Chloroform	ND		ug/m ³	6.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
74-87-3	Chloromethane	2.8		ug/m ³	2.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	5.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	6.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
110-82-7	Cyclohexane	ND		ug/m ³	4.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	12	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	6.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	9.9	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
100-41-4	Ethyl Benzene	ND		ug/m ³	5.9	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	15	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS



Sample Information

Client Sample ID: AQ100417945NP4-1

York Sample ID: 17J0161-01

York Project (SDG) No.
17J0161

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 4, 2017 3:00 pm

Date Received
10/05/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	ND		ug/m ³	6.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	5.6	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	4.9	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
75-09-2	Methylene chloride	ND		ug/m ³	9.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
142-82-5	n-Heptane	ND		ug/m ³	5.6	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
110-54-3	n-Hexane	ND		ug/m ³	4.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
95-47-6	o-Xylene	ND		ug/m ³	5.9	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	12	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	6.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
115-07-1	* Propylene	ND		ug/m ³	2.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
100-42-5	Styrene	ND		ug/m ³	5.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
127-18-4	Tetrachloroethylene	3.7	CCV-A	ug/m ³	2.3	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	8.1	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
108-88-3	Toluene	ND		ug/m ³	5.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	5.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	6.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	1.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	7.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	4.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	6.0	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	3.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 15:01	10/06/2017 15:01	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	108 %	70-130							



Sample Information

Client Sample ID: AQ100417945NP4-3

York Sample ID: 17J0161-02

York Project (SDG) No.
17J0161

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 4, 2017 3:00 pm

Date Received
10/05/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	9.4	13.67	EPA TO-15 Certifications:	10/06/2017 16:01	10/06/2017 16:01	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	7.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	9.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	10	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	7.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	5.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	5.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	10	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	6.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	11	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	8.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	5.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	6.3	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	9.6	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	6.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	9.1	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	8.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	6.3	13.67	EPA TO-15 Certifications:	10/06/2017 16:01	10/06/2017 16:01	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	8.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	9.9	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
78-93-3	2-Butanone	ND		ug/m ³	4.0	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	11	13.67	EPA TO-15 Certifications:	10/06/2017 16:01	10/06/2017 16:01	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	21	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS



Sample Information

Client Sample ID: AQ100417945NP4-3

York Sample ID: 17J0161-02

York Project (SDG) No.
17J0161

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 4, 2017 3:00 pm

Date Received
10/05/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	5.6	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
67-64-1	Acetone	ND		ug/m ³	6.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	3.0	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
71-43-2	Benzene	ND		ug/m ³	4.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	7.1	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	9.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
75-25-2	Bromoform	ND		ug/m ³	14	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
74-83-9	Bromomethane	ND		ug/m ³	5.3	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	4.3	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	6.3	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
75-00-3	Chloroethane	ND		ug/m ³	3.6	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
67-66-3	Chloroform	ND		ug/m ³	6.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
74-87-3	Chloromethane	2.8		ug/m ³	2.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	5.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	6.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
110-82-7	Cyclohexane	ND		ug/m ³	4.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	12	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	6.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	9.9	13.67	EPA TO-15 Certifications:	10/06/2017 16:01	10/06/2017 16:01	LDS
100-41-4	Ethyl Benzene	ND		ug/m ³	5.9	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	15	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
67-63-0	Isopropanol	ND		ug/m ³	6.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS



Sample Information

Client Sample ID: AQ100417945NP4-3

York Sample ID: 17J0161-02

York Project (SDG) No.
17J0161

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 4, 2017 3:00 pm

Date Received
10/05/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	5.6	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	4.9	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
75-09-2	Methylene chloride	ND		ug/m ³	9.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
142-82-5	n-Heptane	ND		ug/m ³	5.6	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
110-54-3	n-Hexane	ND		ug/m ³	4.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
95-47-6	o-Xylene	ND		ug/m ³	5.9	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	12	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	6.7	13.67	EPA TO-15 Certifications:	10/06/2017 16:01	10/06/2017 16:01	LDS
115-07-1	* Propylene	ND		ug/m ³	2.4	13.67	EPA TO-15 Certifications:	10/06/2017 16:01	10/06/2017 16:01	LDS
100-42-5	Styrene	ND		ug/m ³	5.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
127-18-4	Tetrachloroethylene	2.8	CCV-A	ug/m ³	2.3	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	8.1	13.67	EPA TO-15 Certifications:	10/06/2017 16:01	10/06/2017 16:01	LDS
108-88-3	Toluene	ND		ug/m ³	5.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	5.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	6.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	1.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	7.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	4.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	6.0	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	3.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/06/2017 16:01	10/06/2017 16:01	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	111 %	70-130							



Analytical Batch Summary

Batch ID: BJ70457

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
17J0161-01	AQ100417945NP4-1	10/06/17
17J0161-02	AQ100417945NP4-3	10/06/17
BJ70457-BLK1	Blank	10/06/17
BJ70457-BS1	LCS	10/06/17
BJ70457-DUP1	Duplicate	10/06/17



Volatile Organic Compounds in Air 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 BJ70457 - EPA TO15 PREP

Blank (BJ70457-BLK1)

Prepared & Analyzed: 10/06/2017

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
1,1,1-Trichloroethane	ND	0.55	"
1,1,2,2-Tetrachloroethane	ND	0.69	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"
1,1,2-Trichloroethane	ND	0.55	"
1,1-Dichloroethane	ND	0.40	"
1,1-Dichloroethylene	ND	0.40	"
1,2,4-Trichlorobenzene	ND	0.74	"
1,2,4-Trimethylbenzene	ND	0.49	"
1,2-Dibromoethane	ND	0.77	"
1,2-Dichlorobenzene	ND	0.60	"
1,2-Dichloroethane	ND	0.40	"
1,2-Dichloropropane	ND	0.46	"
1,2-Dichlorotetrafluoroethane	ND	0.70	"
1,3,5-Trimethylbenzene	ND	0.49	"
1,3-Butadiene	ND	0.66	"
1,3-Dichlorobenzene	ND	0.60	"
1,3-Dichloropropane	ND	0.46	"
1,4-Dichlorobenzene	ND	0.60	"
1,4-Dioxane	ND	0.72	"
2-Butanone	ND	0.29	"
2-Hexanone	ND	0.82	"
3-Chloropropene	ND	1.6	"
4-Methyl-2-pentanone	ND	0.41	"
Acetone	ND	0.48	"
Acrylonitrile	ND	0.22	"
Benzene	ND	0.32	"
Benzyl chloride	ND	0.52	"
Bromodichloromethane	ND	0.67	"
Bromoform	ND	1.0	"
Bromomethane	ND	0.39	"
Carbon disulfide	ND	0.31	"
Carbon tetrachloride	ND	0.16	"
Chlorobenzene	ND	0.46	"
Chloroethane	ND	0.26	"
Chloroform	ND	0.49	"
Chloromethane	ND	0.21	"
cis-1,2-Dichloroethylene	ND	0.40	"
cis-1,3-Dichloropropylene	ND	0.45	"
Cyclohexane	ND	0.34	"
Dibromochloromethane	ND	0.85	"
Dichlorodifluoromethane	ND	0.49	"
Ethyl acetate	ND	0.72	"
Ethyl Benzene	ND	0.43	"
Hexachlorobutadiene	ND	1.1	"
Isopropanol	ND	0.49	"
Methyl Methacrylate	ND	0.41	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"
Methylene chloride	ND	0.69	"
n-Heptane	ND	0.41	"



Volatile Organic Compounds in Air 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 BJ70457 - EPA TO15 PREP

Blank (BJ70457-BLK1)

Prepared & Analyzed: 10/06/2017

n-Hexane	ND	0.35	ug/m ³
o-Xylene	ND	0.43	"
p- & m- Xylenes	ND	0.87	"
p-Ethyltoluene	ND	0.49	"
Propylene	ND	0.17	"
Styrene	ND	0.43	"
Tetrachloroethylene	ND	0.17	"
Tetrahydrofuran	ND	0.59	"
Toluene	ND	0.38	"
trans-1,2-Dichloroethylene	ND	0.40	"
trans-1,3-Dichloropropylene	ND	0.45	"
Trichloroethylene	ND	0.13	"
Trichlorofluoromethane (Freon 11)	ND	0.56	"
Vinyl acetate	ND	0.35	"
Vinyl bromide	ND	0.44	"
Vinyl Chloride	ND	0.26	"

Surrogate: p-Bromofluorobenzene	8.79	ppbv	10.0	87.9	70-130
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LCS (BJ70457-BS1)

Prepared & Analyzed: 10/06/2017

1,1,1,2-Tetrachloroethane	8.97	ppbv	10.0	89.7	70-130
1,1,1-Trichloroethane	9.60	"	10.0	96.0	70-130
1,1,2,2-Tetrachloroethane	9.19	"	10.0	91.9	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	"	10.0	102	70-130
1,1,2-Trichloroethane	8.58	"	10.0	85.8	70-130
1,1-Dichloroethane	9.19	"	10.0	91.9	70-130
1,1-Dichloroethylene	9.13	"	10.0	91.3	70-130
1,2,4-Trichlorobenzene	8.68	"	10.0	86.8	70-130
1,2,4-Trimethylbenzene	8.88	"	10.0	88.8	70-130
1,2-Dibromoethane	8.81	"	10.0	88.1	70-130
1,2-Dichlorobenzene	8.95	"	10.0	89.5	70-130
1,2-Dichloroethane	8.98	"	10.0	89.8	70-130
1,2-Dichloropropane	8.19	"	10.0	81.9	70-130
1,2-Dichlorotetrafluoroethane	11.9	"	10.0	119	70-130
1,3,5-Trimethylbenzene	8.83	"	10.0	88.3	70-130
1,3-Butadiene	10.6	"	10.0	106	70-130
1,3-Dichlorobenzene	8.68	"	10.0	86.8	70-130
1,3-Dichloropropane	8.35	"	10.0	83.5	70-130
1,4-Dichlorobenzene	8.53	"	10.0	85.3	70-130
1,4-Dioxane	7.57	"	10.0	75.7	70-130
2-Butanone	8.39	"	10.0	83.9	70-130
2-Hexanone	7.22	"	10.0	72.2	70-130
3-Chloropropene	9.05	"	10.0	90.5	70-130
4-Methyl-2-pentanone	7.87	"	10.0	78.7	70-130
Acetone	7.53	"	10.0	75.3	70-130
Acrylonitrile	9.81	"	10.0	98.1	70-130
Benzene	9.15	"	10.0	91.5	70-130
Benzyl chloride	9.01	"	10.0	90.1	70-130
Bromodichloromethane	8.59	"	10.0	85.9	70-130
Bromoform	9.47	"	10.0	94.7	70-130
Bromomethane	10.1	"	10.0	101	70-130
Carbon disulfide	10.3	"	10.0	103	70-130



Volatile Organic Compounds in Air 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 BJ70457 - EPA TO15 PREP

LCS (BJ70457-BS1)

Prepared & Analyzed: 10/06/2017

Carbon tetrachloride	9.80		ppbv	10.0		98.0	70-130				
Chlorobenzene	8.88		"	10.0		88.8	70-130				
Chloroethane	10.2		"	10.0		102	70-130				
Chloroform	9.55		"	10.0		95.5	70-130				
Chloromethane	10.9		"	10.0		109	70-130				
cis-1,2-Dichloroethylene	9.93		"	10.0		99.3	70-130				
cis-1,3-Dichloropropylene	9.55		"	10.0		95.5	70-130				
Cyclohexane	9.08		"	10.0		90.8	70-130				
Dibromochloromethane	8.77		"	10.0		87.7	70-130				
Dichlorodifluoromethane	11.6		"	10.0		116	70-130				
Ethyl acetate	9.26		"	10.0		92.6	70-130				
Ethyl Benzene	8.80		"	10.0		88.0	70-130				
Hexachlorobutadiene	9.22		"	10.0		92.2	70-130				
Isopropanol	9.03		"	10.0		90.3	70-130				
Methyl Methacrylate	8.62		"	10.0		86.2	70-130				
Methyl tert-butyl ether (MTBE)	8.85		"	10.0		88.5	70-130				
Methylene chloride	9.16		"	10.0		91.6	70-130				
n-Heptane	8.73		"	10.0		87.3	70-130				
n-Hexane	9.34		"	10.0		93.4	70-130				
o-Xylene	8.88		"	10.0		88.8	70-130				
p- & m- Xylenes	17.4		"	20.0		86.9	70-130				
p-Ethyltoluene	9.43		"	10.0		94.3	70-130				
Propylene	6.38		"	10.0		63.8	70-130	Low Bias			
Styrene	9.01		"	10.0		90.1	70-130				
Tetrachloroethylene	6.89		"	10.0		68.9	70-130	Low Bias			
Tetrahydrofuran	8.53		"	10.0		85.3	70-130				
Toluene	8.45		"	10.0		84.5	70-130				
trans-1,2-Dichloroethylene	9.58		"	10.0		95.8	70-130				
trans-1,3-Dichloropropylene	9.45		"	10.0		94.5	70-130				
Trichloroethylene	8.83		"	10.0		88.3	70-130				
Trichlorofluoromethane (Freon 11)	10.2		"	10.0		102	70-130				
Vinyl acetate	11.3		"	10.0		113	70-130				
Vinyl bromide	11.0		"	10.0		110	70-130				
Vinyl Chloride	10.7		"	10.0		107	70-130				
Surrogate: p-Bromofluorobenzene	9.53		"	10.0		95.3	70-130				



Volatile Organic Compounds in Air 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 BJ70457 - EPA TO15 PREP

Duplicate (BJ70457-DUP1)		*Source sample: 17J0161-02 (AQ100417945NP4-3)					Prepared & Analyzed: 10/06/2017				
1,1,1,2-Tetrachloroethane	ND	9.4	ug/m ³		ND					25	
1,1,1-Trichloroethane	ND	7.5	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	9.4	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	"		ND					25	
1,1,2-Trichloroethane	ND	7.5	"		ND					25	
1,1-Dichloroethane	ND	5.5	"		ND					25	
1,1-Dichloroethylene	ND	5.4	"		ND					25	
1,2,4-Trichlorobenzene	ND	10	"		ND					25	
1,2,4-Trimethylbenzene	ND	6.7	"		ND					25	
1,2-Dibromoethane	ND	11	"		ND					25	
1,2-Dichlorobenzene	ND	8.2	"		ND					25	
1,2-Dichloroethane	ND	5.5	"		ND					25	
1,2-Dichloropropane	ND	6.3	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	9.6	"		ND					25	
1,3,5-Trimethylbenzene	ND	6.7	"		ND					25	
1,3-Butadiene	ND	9.1	"		ND					25	
1,3-Dichlorobenzene	ND	8.2	"		ND					25	
1,3-Dichloropropane	ND	6.3	"		ND					25	
1,4-Dichlorobenzene	ND	8.2	"		ND					25	
1,4-Dioxane	ND	9.9	"		ND					25	
2-Butanone	ND	4.0	"		ND					25	
2-Hexanone	ND	11	"		ND					25	
3-Chloropropene	ND	21	"		ND					25	
4-Methyl-2-pentanone	ND	5.6	"		ND					25	
Acetone	ND	6.5	"		ND					25	
Acrylonitrile	ND	3.0	"		ND					25	
Benzene	ND	4.4	"		ND					25	
Benzyl chloride	ND	7.1	"		ND					25	
Bromodichloromethane	ND	9.2	"		ND					25	
Bromoform	ND	14	"		ND					25	
Bromomethane	ND	5.3	"		ND					25	
Carbon disulfide	ND	4.3	"		ND					25	
Carbon tetrachloride	ND	2.2	"		ND					25	
Chlorobenzene	ND	6.3	"		ND					25	
Chloroethane	ND	3.6	"		ND					25	
Chloroform	ND	6.7	"		ND					25	
Chloromethane	3.1	2.8	"		2.8				9.52	25	
cis-1,2-Dichloroethylene	ND	5.4	"		ND					25	
cis-1,3-Dichloropropylene	ND	6.2	"		ND					25	
Cyclohexane	ND	4.7	"		ND					25	
Dibromochloromethane	ND	12	"		ND					25	
Dichlorodifluoromethane	ND	6.8	"		ND					25	
Ethyl acetate	ND	9.9	"		ND					25	
Ethyl Benzene	ND	5.9	"		ND					25	
Hexachlorobutadiene	ND	15	"		ND					25	
Isopropanol	ND	6.7	"		ND					25	
Methyl Methacrylate	ND	5.6	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	4.9	"		ND					25	
Methylene chloride	ND	9.5	"		ND					25	
n-Heptane	ND	5.6	"		ND					25	
n-Hexane	ND	4.8	"		ND					25	



Volatile Organic Compounds in Air 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 BJ70457 - EPA TO15 PREP

Duplicate (BJ70457-DUP1)		*Source sample: 17J0161-02 (AQ100417945NP4-3)						Prepared & Analyzed: 10/06/2017			
o-Xylene	ND	5.9	ug/m ³		ND					25	
p- & m- Xylenes	ND	12	"		ND					25	
p-Ethyltoluene	ND	6.7	"		ND					25	
Propylene	ND	2.4	"		ND					25	
Styrene	ND	5.8	"		ND					25	
Tetrachloroethylene	2.8	2.3	"		2.8				0.00	25	
Tetrahydrofuran	ND	8.1	"		ND					25	
Toluene	ND	5.2	"		ND					25	
trans-1,2-Dichloroethylene	ND	5.4	"		ND					25	
trans-1,3-Dichloropropylene	ND	6.2	"		ND					25	
Trichloroethylene	ND	1.8	"		ND					25	
Trichlorofluoromethane (Freon 11)	ND	7.7	"		ND					25	
Vinyl acetate	ND	4.8	"		ND					25	
Vinyl bromide	ND	6.0	"		ND					25	
Vinyl Chloride	ND	3.5	"		ND					25	
Surrogate: p-Bromofluorobenzene	10.7		ppbv	10.0		107	70-130				





Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to detected analytes only.

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.

Field Chain-of-Custody Record - AIR

Page 1 of 1

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.

This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 17J061

YOUR INFORMATION Company: <u>LBG</u> Address: <u>4 Research Dr SE 204</u> Phone No.: <u>Shelton CT 06484</u> Contact Person: <u>203.872.8555</u> E-Mail Address: <u>Tunde.Sandoz@LBGCT.com</u>		Report To: Company: <u>Sandoz</u> Address: <u>↓</u> Phone No.: <u>↓</u> Attention: <u>↓</u> E-Mail Address: <u>↓</u>		Invoice To: Company: <u>Sandoz</u> Address: <u>↓</u> Phone No.: <u>↓</u> Attention: <u>↓</u> E-Mail Address: <u>↓</u>		YOUR PROJECT ID <u>Rowe Industries</u> Purchase Order No. <u>HABSAG</u> Samples from: CT <u>NY</u> 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/Deliverables Summary Report ☒ PDF Summary w/ QA Summary ☒ PDF CT RCP Package ☐ NY ASP A Package ☐ NY ASP B/CLP Pkg ☐ NJDEP Reduced ☐ Electronic Deliverables: ☐ EDD (Specify Type) ☐ Standard Excel ☒ Regulatory Comparison Excel ☐	
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Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Air Matrix Codes
 AI - INDOOR Ambient Air
 AO - OUTDOOR Amb. Air
 AE - Vapor Extraction Well/
 Process Gas/Effluent
 AS - SOIL Vapor/Sub-Slab

Samples Collected/Authorized By (Signature)
Scott Philbrick
 Name (printed)

Additional Notes:
 Detection Limits Required
 ≤ 1 ug/m³
 NYSDEC VI Limits
 (VI - vapor intrusion)
 NJDEP low level
 Routine Survey
 Other

Please enter the following Field Data

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Canister ID	Flow Cont.ID	ANALYSES REQUESTED	Sampling Media
AQ100417945NP4-1	10-4-17	AE	30	5	24116		EPA TG-15 List	6 Liter canister ☒
AQ100417945NP4-3	↓	↓	30	5	18308		↓	6 Liter canister ☒
								6 Liter canister
								Tedlar Bag
								6 Liter canister
								Tedlar Bag
								6 Liter canister
								Tedlar Bag
								6 Liter canister
								Tedlar Bag
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								6 Liter canister
								Tedlar Bag
								6 Liter canister
								Tedlar Bag

Comments

Samples Relinquished By Sandoz Date/Time 10-4-17 6:55pm
 Samples Relinquished By Sandoz Date/Time 10/5/17 10:20
 Samples Relinquished By Sandoz Date/Time 10-5-17 20:28
 Samples Relinquished By Sandoz Date/Time 10-5-17 20:28

Samples Received By LBG Friday Date/Time 10-4-17 6:55pm
 Samples Received By LBG Date/Time 10-5-17 20:28