

TABLE 2

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

**Effluent Water Quality Results**

Date Sampled <sup>2/</sup>	pH <sup>1/</sup>	TDS (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis-1,2-DCE (ug/l)	trans-1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
<b>SPDES Limits</b>	<b>5.0 to 8.5</b>	---	5	5	5	5	5	5	5	5	5	5	5	---	10	7	---	---
3-Jun-14	7.1	151	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.94	0.059
17-Jun-14	<sup>3/</sup>	131	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.16	0.063

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

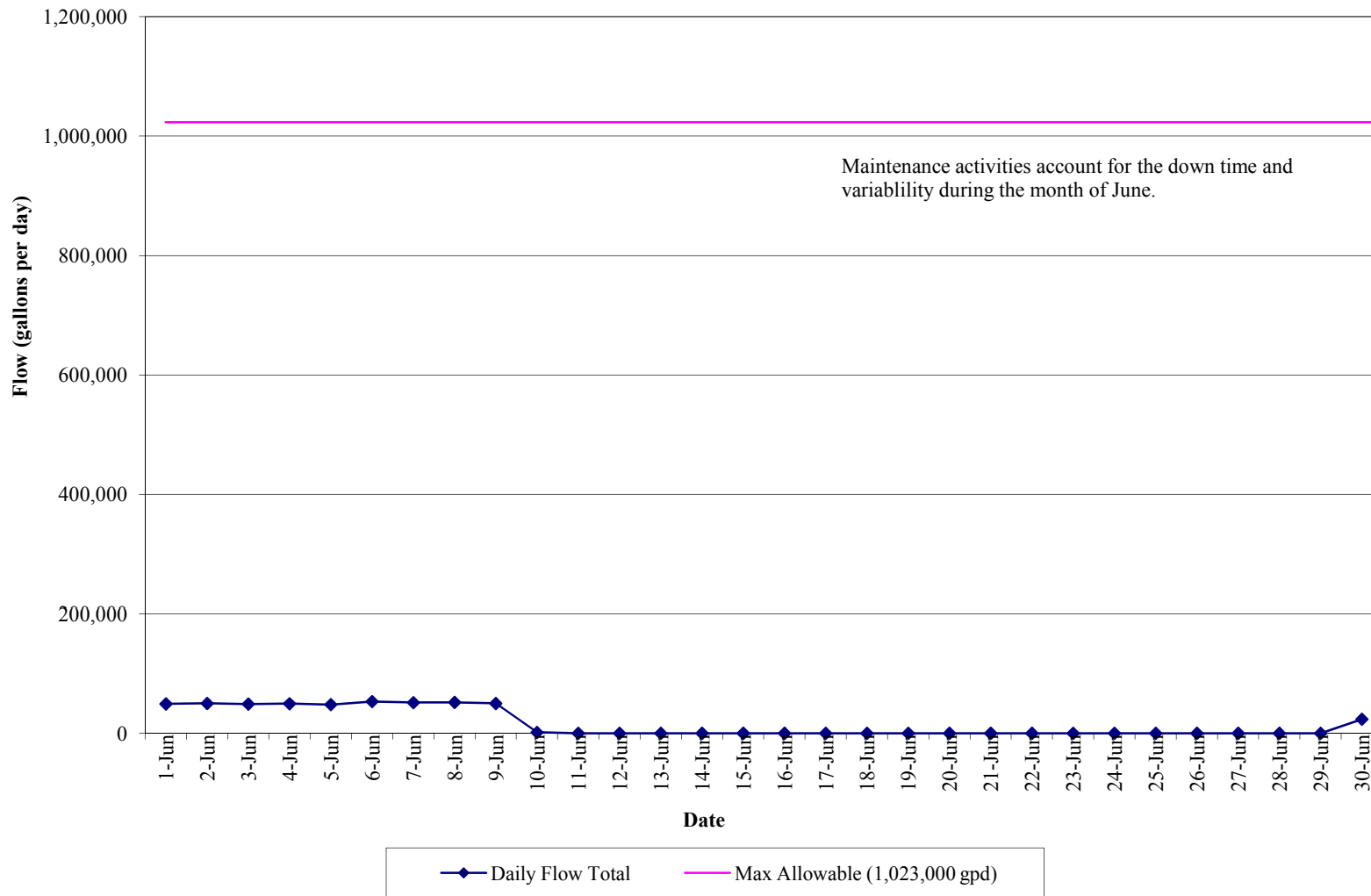
trans-1,2,-DCE: trans-1,2-Dichloroethene

Notes:

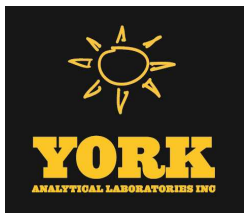
1. Based on the SPDES criteria from an NYSDEC letter dated on October 21, 2011, the new allowable pH range for the Rowe Site is between 5.0 and 8.5.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
3. Due to a leak detected from the equalization tank and associated cleanup, an effluent sample was collected from treated water in the transfer tank, however, pH was mistakenly not measured.

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

**Effluent Flow Data  
(June 1, 2014 to June 30, 2014)**



**APPENDIX I**  
**JUNE 2014 LABORATORY ANALYTICAL REPORTS**  
**FOR FSP&T SYSTEM**



# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**  
4 Research Drive, Suite 301  
Shelton CT, 06484  
**Attention: Mark Goldberg**

Report Date: 06/13/2014  
**Client Project ID: Rowe Industries**  
York Project (SDG) No.: 14F0325

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 06/13/2014  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 14F0325

**Leggette Brashears & Graham Shelton Office**  
4 Research Drive, Suite 301  
Shelton CT, 06484  
Attention: Mark Goldberg

## 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 June 06, 2014 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 Notes 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 attachment to 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>
14F0325-01	WQ060314:1210NP2-10	Water	06/03/2014	06/06/2014
14F0335-01	WQ060314:1200NP2-6	Water	06/03/2014	06/06/2014
14F0335-02	WQ060314:1205NP2-7	Water	06/03/2014	06/06/2014

## General Notes for York Project (SDG) No.: 14F0325

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia  
Laboratory Director

Date: 06/13/2014





### Sample Information

**Client Sample ID:** WQ060314:1210NP2-10

**York Sample ID:** 14F0325-01

<u>York Project (SDG) No.</u> 14F0325	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> June 3, 2014 12:10 pm	<u>Date Received</u> 06/06/2014
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**Volatile Organics, 8260 List - Low Level**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS



## Sample Information

**Client Sample ID:** WQ060314:1210NP2-10

**York Sample ID:** 14F0325-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0325

Rowe Industries

Water

June 3, 2014 12:10 pm

06/06/2014

**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
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/11/2014 08:08	06/11/2014 18:06	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.3 %		81-123							
460-00-4	Surrogate: p-Bromofluorobenzene	119 %		70-128							
2037-26-5	Surrogate: Toluene-d8	97.1 %		88-114							



### Sample Information

Client Sample ID: WQ060314:1210NP2-10

York Sample ID: 14F0325-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0325

Rowe Industries

Water

June 3, 2014 12:10 pm

06/06/2014

#### Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	1.94		mg/L	0.0146	0.0200	1	EPA 200.7	06/10/2014 13:17	06/11/2014 00:53	MW

#### Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0589		mg/L	0.0200	0.0200	1	EPA 6010C	06/10/2014 13:13	06/10/2014 22:59	MW

#### Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	151		mg/L	10.0	10.0	1	SM 2540C	06/09/2014 11:52	06/10/2014 11:54	MF

### Sample Information

Client Sample ID: WQ060314:1200NP2-6

York Sample ID: 14F0335-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0335

Rowe Industries

Water

June 3, 2014 12:00 pm

06/06/2014

#### Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to 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	06/12/2014 16:43	06/13/2014 00:55	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK



### Sample Information

**Client Sample ID:** WQ060314:1200NP2-6

**York Sample ID:** 14F0335-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0335

Rowe Industries

Water

June 3, 2014 12:00 pm

06/06/2014

**Volatile Organics, 8260 List - Low Level**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>0.55</b>		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK



### Sample Information

**Client Sample ID:** WQ060314:1200NP2-6

**York Sample ID:** 14F0335-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0335

Rowe Industries

Water

June 3, 2014 12:00 pm

06/06/2014

**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
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
127-18-4	<b>Tetrachloroethylene</b>	<b>7.0</b>		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
79-01-6	<b>Trichloroethylene</b>	<b>0.55</b>		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/12/2014 16:43	06/13/2014 00:55	BK
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.2 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	70-128								
2037-26-5	Surrogate: Toluene-d8	101 %	88-114								

**Iron by EPA 200.7**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	<b>Iron</b>	<b>2.19</b>		mg/L	0.0146	0.0200	1	EPA 200.7	06/10/2014 13:17	06/11/2014 01:09	MW

**Iron, Dissolved by EPA 6010**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA 6010C	06/10/2014 13:13	06/10/2014 23:17	MW



### Sample Information

**Client Sample ID:** WQ060314:1205NP2-7

**York Sample ID:** 14F0335-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0335

Rowe Industries

Water

June 3, 2014 12:05 pm

06/06/2014

**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	06/12/2014 16:43	06/13/2014 01:29	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK



### Sample Information

**Client Sample ID:** WQ060314:1205NP2-7

**York Sample ID:** 14F0335-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0335

Rowe Industries

Water

June 3, 2014 12:05 pm

06/06/2014

**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
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/12/2014 16:43	06/13/2014 01:29	BK
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	92.0 %			81-123						
460-00-4	Surrogate: p-Bromofluorobenzene	105 %			70-128						
2037-26-5	Surrogate: Toluene-d8	101 %			88-114						



### Sample Information

**Client Sample ID:** WQ060314:1205NP2-7

**York Sample ID:** 14F0335-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0335

Rowe Industries

Water

June 3, 2014 12:05 pm

06/06/2014

**Iron by EPA 200.7**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	1.74		mg/L	0.0146	0.0200	1	EPA 200.7	06/10/2014 13:17	06/11/2014 01:14	MW

**Iron, Dissolved by EPA 6010**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0791		mg/L	0.0200	0.0200	1	EPA 6010C	06/10/2014 13:13	06/10/2014 23:22	MW



## Analytical Batch Summary

**Batch ID:** BF40360      **Preparation Method:** % Solids Prep      **Prepared By:** MF

YORK Sample ID	Client Sample ID	Preparation Date
14F0325-01	WQ060314:1210NP2-10	06/09/14
BF40360-BLK1	Blank	06/09/14

**Batch ID:** BF40450      **Preparation Method:** EPA 3010A      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14F0325-01	WQ060314:1210NP2-10	06/10/14
14F0335-01	WQ060314:1200NP2-6	06/10/14
14F0335-02	WQ060314:1205NP2-7	06/10/14
BF40450-BLK1	Blank	06/10/14
BF40450-DUP1	Duplicate	06/10/14
BF40450-MS1	Matrix Spike	06/10/14
BF40450-SRM1	Reference	06/10/14

**Batch ID:** BF40452      **Preparation Method:** EPA 3010A      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14F0325-01	WQ060314:1210NP2-10	06/10/14
14F0335-01	WQ060314:1200NP2-6	06/10/14
14F0335-02	WQ060314:1205NP2-7	06/10/14
BF40452-BLK1	Blank	06/10/14
BF40452-DUP1	Duplicate	06/10/14
BF40452-MS1	Matrix Spike	06/10/14
BF40452-SRM1	Reference	06/10/14

**Batch ID:** BF40516      **Preparation Method:** EPA 5030B      **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14F0325-01	WQ060314:1210NP2-10	06/11/14
BF40516-BLK1	Blank	06/11/14
BF40516-BS1	LCS	06/11/14
BF40516-BSD1	LCS Dup	06/11/14

**Batch ID:** BF40588      **Preparation Method:** EPA 5030B      **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14F0335-01	WQ060314:1200NP2-6	06/12/14
14F0335-02	WQ060314:1205NP2-7	06/12/14
BF40588-BLK1	Blank	06/12/14
BF40588-BS1	LCS	06/12/14
BF40588-BSD1	LCS Dup	06/12/14



**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 BF40516 - EPA 5030B**

**Blank (BF40516-BLK1)**

Prepared & Analyzed: 06/11/2014

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.46	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.34	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	1.2	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	0.26	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	1.7	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BF40516 - EPA 5030B**

**Blank (BF40516-BLK1)**

Prepared & Analyzed: 06/11/2014

p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.9</i>		<i>"</i>	<i>10.0</i>		<i>109</i>		<i>81-123</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>		<i>70-128</i>			
<i>Surrogate: Toluene-d8</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>		<i>88-114</i>			

**LCS (BF40516-BS1)**

Prepared & Analyzed: 06/11/2014

1,1,1,2-Tetrachloroethane	11.5		ug/L	10.0		115		85-118			
1,1,1-Trichloroethane	10.2		"	10.0		102		74-128			
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110		71-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.65		"	10.0		96.5		51-157			
1,1,2-Trichloroethane	10.4		"	10.0		104		80-122			
1,1-Dichloroethane	9.98		"	10.0		99.8		70-131			
1,1-Dichloroethylene	10.2		"	10.0		102		60-143			
1,1-Dichloropropylene	10.3		"	10.0		103		78-122			
1,2,3-Trichlorobenzene	11.2		"	10.0		112		68-140			
1,2,3-Trichloropropane	11.3		"	10.0		113		77-125			
1,2,4-Trichlorobenzene	11.5		"	10.0		115		65-143			
1,2,4-Trimethylbenzene	12.3		"	10.0		123		83-121	High Bias		
1,2-Dibromo-3-chloropropane	8.98		"	10.0		89.8		60-146			
1,2-Dibromoethane	10.4		"	10.0		104		82-122			
1,2-Dichlorobenzene	11.2		"	10.0		112		85-115			
1,2-Dichloroethane	9.36		"	10.0		93.6		72-126			
1,2-Dichloropropane	11.1		"	10.0		111		78-119			
1,3,5-Trimethylbenzene	11.9		"	10.0		119		84-118	High Bias		
1,3-Dichlorobenzene	11.4		"	10.0		114		83-117			
1,3-Dichloropropane	10.6		"	10.0		106		79-121			
1,4-Dichlorobenzene	11.4		"	10.0		114		83-118			
2,2-Dichloropropane	10.9		"	10.0		109		60-135			
2-Chlorotoluene	12.3		"	10.0		123		81-118	High Bias		
2-Hexanone	11.4		"	10.0		114		50-151			
4-Chlorotoluene	11.9		"	10.0		119		81-117	High Bias		
Acetone	7.74		"	10.0		77.4		21-172			
Benzene	9.70		"	10.0		97.0		82-120			
Bromobenzene	11.5		"	10.0		115		82-119			
Bromochloromethane	9.36		"	10.0		93.6		69-125			
Bromodichloromethane	11.0		"	10.0		110		84-117			
Bromoform	10.7		"	10.0		107		77-130			
Bromomethane	8.97		"	10.0		89.7		16-162			
Carbon tetrachloride	10.3		"	10.0		103		72-132			
Chlorobenzene	11.1		"	10.0		111		88-112			



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 BF40516 - EPA 5030B

LCS (BF40516-BS1)

Prepared & Analyzed: 06/11/2014

Chloroethane	9.37		ug/L	10.0		93.7	29-172				
Chloroform	9.65		"	10.0		96.5	77-124				
Chloromethane	9.09		"	10.0		90.9	37-131				
cis-1,2-Dichloroethylene	9.98		"	10.0		99.8	77-124				
cis-1,3-Dichloropropylene	11.5		"	10.0		115	81-117				
Dibromochloromethane	10.5		"	10.0		105	72-131				
Dibromomethane	11.0		"	10.0		110	85-116				
Dichlorodifluoromethane	10.6		"	10.0		106	47-152				
Ethyl Benzene	11.8		"	10.0		118	86-114	High Bias			
Hexachlorobutadiene	11.7		"	10.0		117	68-139				
Isopropylbenzene	12.8		"	10.0		128	84-118	High Bias			
Methyl tert-butyl ether (MTBE)	9.73		"	10.0		97.3	49-156				
Methylene chloride	10.8		"	10.0		108	51-145				
Naphthalene	11.7		"	10.0		117	67-141				
n-Butylbenzene	12.0		"	10.0		120	76-125				
n-Propylbenzene	12.4		"	10.0		124	84-118	High Bias			
o-Xylene	11.7		"	10.0		117	85-114	High Bias			
p- & m- Xylenes	23.7		"	20.0		118	84-117	High Bias			
p-Isopropyltoluene	12.7		"	10.0		127	84-121	High Bias			
sec-Butylbenzene	12.7		"	10.0		127	85-119	High Bias			
Styrene	11.7		"	10.0		117	77-126				
tert-Butylbenzene	12.7		"	10.0		127	83-119	High Bias			
Tetrachloroethylene	10.9		"	10.0		109	75-129				
Toluene	10.9		"	10.0		109	86-113				
trans-1,2-Dichloroethylene	9.95		"	10.0		99.5	55-148				
trans-1,3-Dichloropropylene	11.5		"	10.0		115	77-120				
Trichloroethylene	11.1		"	10.0		111	85-115				
Trichlorofluoromethane	10.2		"	10.0		102	69-131				
Vinyl Chloride	10.6		"	10.0		106	44-152				
Surrogate: 1,2-Dichloroethane-d4	9.68		"	10.0		96.8	81-123				
Surrogate: p-Bromofluorobenzene	9.99		"	10.0		99.9	70-128				
Surrogate: Toluene-d8	10.5		"	10.0		105	88-114				



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
<b>Batch BF40516 - EPA 5030B</b>											
<b>LCS Dup (BF40516-BSD1)</b>											
Prepared & Analyzed: 06/11/2014											
1,1,1,2-Tetrachloroethane	11.5		ug/L	10.0		115	85-118		0.348	30	
1,1,1-Trichloroethane	10.5		"	10.0		105	74-128		2.90	30	
1,1,2,2-Tetrachloroethane	11.1		"	10.0		111	71-130		1.36	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	51-157		8.63	30	
1,1,2-Trichloroethane	11.0		"	10.0		110	80-122		5.23	30	
1,1-Dichloroethane	10.2		"	10.0		102	70-131		2.38	30	
1,1-Dichloroethylene	10.8		"	10.0		108	60-143		5.52	30	
1,1-Dichloropropylene	10.5		"	10.0		105	78-122		1.93	30	
1,2,3-Trichlorobenzene	11.6		"	10.0		116	68-140		3.16	30	
1,2,3-Trichloropropane	11.6		"	10.0		116	77-125		2.70	30	
1,2,4-Trichlorobenzene	11.8		"	10.0		118	65-143		2.66	30	
1,2,4-Trimethylbenzene	12.5		"	10.0		125	83-121	High Bias	1.86	30	
1,2-Dibromo-3-chloropropane	13.6		"	10.0		136	60-146		40.9	30	Non-dir.
1,2-Dibromoethane	11.2		"	10.0		112	82-122		7.05	30	
1,2-Dichlorobenzene	11.5		"	10.0		115	85-115		2.20	30	
1,2-Dichloroethane	9.73		"	10.0		97.3	72-126		3.88	30	
1,2-Dichloropropane	11.0		"	10.0		110	78-119		1.54	30	
1,3,5-Trimethylbenzene	12.1		"	10.0		121	84-118	High Bias	1.50	30	
1,3-Dichlorobenzene	11.8		"	10.0		118	83-117	High Bias	2.84	30	
1,3-Dichloropropane	10.8		"	10.0		108	79-121		1.87	30	
1,4-Dichlorobenzene	11.7		"	10.0		117	83-118		2.25	30	
2,2-Dichloropropane	11.0		"	10.0		110	60-135		1.09	30	
2-Chlorotoluene	12.4		"	10.0		124	81-118	High Bias	0.889	30	
2-Hexanone	10.8		"	10.0		108	50-151		5.85	30	
4-Chlorotoluene	12.1		"	10.0		121	81-117	High Bias	1.41	30	
Acetone	6.73		"	10.0		67.3	21-172		14.0	30	
Benzene	9.87		"	10.0		98.7	82-120		1.74	30	
Bromobenzene	12.0		"	10.0		120	82-119	High Bias	4.07	30	
Bromochloromethane	9.73		"	10.0		97.3	69-125		3.88	30	
Bromodichloromethane	11.1		"	10.0		111	84-117		0.813	30	
Bromoform	11.1		"	10.0		111	77-130		3.39	30	
Bromomethane	9.18		"	10.0		91.8	16-162		2.31	30	
Carbon tetrachloride	10.5		"	10.0		105	72-132		1.64	30	
Chlorobenzene	11.0		"	10.0		110	88-112		0.723	30	
Chloroethane	9.69		"	10.0		96.9	29-172		3.36	30	
Chloroform	9.89		"	10.0		98.9	77-124		2.46	30	
Chloromethane	9.07		"	10.0		90.7	37-131		0.220	30	
cis-1,2-Dichloroethylene	9.99		"	10.0		99.9	77-124		0.100	30	
cis-1,3-Dichloropropylene	11.3		"	10.0		113	81-117		1.41	30	
Dibromochloromethane	11.2		"	10.0		112	72-131		5.91	30	
Dibromomethane	11.0		"	10.0		110	85-116		0.0910	30	
Dichlorodifluoromethane	10.9		"	10.0		109	47-152		2.05	30	
Ethyl Benzene	11.8		"	10.0		118	86-114	High Bias	0.0849	30	
Hexachlorobutadiene	11.9		"	10.0		119	68-139		2.03	30	
Isopropylbenzene	13.2		"	10.0		132	84-118	High Bias	2.61	30	
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	49-156		4.32	30	
Methylene chloride	11.2		"	10.0		112	51-145		3.64	30	
Naphthalene	12.1		"	10.0		121	67-141		3.53	30	
n-Butylbenzene	12.3		"	10.0		123	76-125		2.06	30	
n-Propylbenzene	12.7		"	10.0		127	84-118	High Bias	2.07	30	
o-Xylene	11.7		"	10.0		117	85-114	High Bias	0.171	30	



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BF40516 - EPA 5030B**

**LCS Dup (BF40516-BSD1)**

Prepared & Analyzed: 06/11/2014

p- & m- Xylenes	23.6		ug/L	20.0		118	84-117	High Bias	0.380	30
p-Isopropyltoluene	12.9		"	10.0		129	84-121	High Bias	2.19	30
sec-Butylbenzene	13.0		"	10.0		130	85-119	High Bias	2.57	30
Styrene	11.7		"	10.0		117	77-126		0.171	30
tert-Butylbenzene	13.0		"	10.0		130	83-119	High Bias	2.57	30
Tetrachloroethylene	11.7		"	10.0		117	75-129		7.34	30
Toluene	11.2		"	10.0		112	86-113		2.08	30
trans-1,2-Dichloroethylene	10.3		"	10.0		103	55-148		3.36	30
trans-1,3-Dichloropropylene	11.3		"	10.0		113	77-120		1.93	30
Trichloroethylene	11.0		"	10.0		110	85-115		1.27	30
Trichlorofluoromethane	10.5		"	10.0		105	69-131		2.71	30
Vinyl Chloride	10.7		"	10.0		107	44-152		0.845	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.83</i>		<i>"</i>	<i>10.0</i>		<i>98.3</i>	<i>81-123</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>70-128</i>			
<i>Surrogate: Toluene-d8</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>	<i>88-114</i>			

**Batch BF40588 - EPA 5030B**

**Blank (BF40588-BLK1)**

Prepared & Analyzed: 06/12/2014

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	2.1	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	"							



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BF40588 - EPA 5030B**

**Blank (BF40588-BLK1)**

Prepared & Analyzed: 06/12/2014

Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<hr/>											
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.58</i>		<i>"</i>	<i>10.0</i>		<i>95.8</i>		<i>81-123</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>		<i>70-128</i>			
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>		<i>88-114</i>			



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BF40588 - EPA 5030B**

**LCS (BF40588-BS1)**

Prepared & Analyzed: 06/12/2014

1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	85-118					
1,1,1-Trichloroethane	12.0		"	10.0		120	74-128					
1,1,2,2-Tetrachloroethane	9.58		"	10.0		95.8	71-130					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0		113	51-157					
1,1,2-Trichloroethane	10.3		"	10.0		103	80-122					
1,1-Dichloroethane	11.7		"	10.0		117	70-131					
1,1-Dichloroethylene	11.2		"	10.0		112	60-143					
1,1-Dichloropropylene	11.7		"	10.0		117	78-122					
1,2,3-Trichlorobenzene	10.9		"	10.0		109	68-140					
1,2,3-Trichloropropane	10.6		"	10.0		106	77-125					
1,2,4-Trichlorobenzene	11.1		"	10.0		111	65-143					
1,2,4-Trimethylbenzene	10.2		"	10.0		102	83-121					
1,2-Dibromo-3-chloropropane	9.31		"	10.0		93.1	60-146					
1,2-Dibromoethane	11.1		"	10.0		111	82-122					
1,2-Dichlorobenzene	10.3		"	10.0		103	85-115					
1,2-Dichloroethane	12.1		"	10.0		121	72-126					
1,2-Dichloropropane	10.5		"	10.0		105	78-119					
1,3,5-Trimethylbenzene	10.3		"	10.0		103	84-118					
1,3-Dichlorobenzene	10.4		"	10.0		104	83-117					
1,3-Dichloropropane	10.8		"	10.0		108	79-121					
1,4-Dichlorobenzene	10.6		"	10.0		106	83-118					
2,2-Dichloropropane	9.36		"	10.0		93.6	60-135					
2-Chlorotoluene	9.75		"	10.0		97.5	81-118					
2-Hexanone	9.60		"	10.0		96.0	50-151					
4-Chlorotoluene	9.98		"	10.0		99.8	81-117					
Acetone	9.06		"	10.0		90.6	21-172					
Benzene	11.0		"	10.0		110	82-120					
Bromobenzene	9.55		"	10.0		95.5	82-119					
Bromochloromethane	11.6		"	10.0		116	69-125					
Bromodichloromethane	11.0		"	10.0		110	84-117					
Bromoform	10.6		"	10.0		106	77-130					
Bromomethane	5.93		"	10.0		59.3	16-162					
Carbon tetrachloride	12.0		"	10.0		120	72-132					
Chlorobenzene	10.3		"	10.0		103	88-112					
Chloroethane	10.9		"	10.0		109	29-172					
Chloroform	11.8		"	10.0		118	77-124					
Chloromethane	10.6		"	10.0		106	37-131					
cis-1,2-Dichloroethylene	12.3		"	10.0		123	77-124					
cis-1,3-Dichloropropylene	11.3		"	10.0		113	81-117					
Dibromochloromethane	11.2		"	10.0		112	72-131					
Dibromomethane	11.3		"	10.0		113	85-116					
Dichlorodifluoromethane	12.4		"	10.0		124	47-152					
Ethyl Benzene	10.2		"	10.0		102	86-114					
Hexachlorobutadiene	11.4		"	10.0		114	68-139					
Isopropylbenzene	9.95		"	10.0		99.5	84-118					
Methyl tert-butyl ether (MTBE)	11.5		"	10.0		115	49-156					
Methylene chloride	10.3		"	10.0		103	51-145					
Naphthalene	10.6		"	10.0		106	67-141					
n-Butylbenzene	10.3		"	10.0		103	76-125					
n-Propylbenzene	9.73		"	10.0		97.3	84-118					
o-Xylene	10.1		"	10.0		101	85-114					



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 BF40588 - EPA 5030B

LCS (BF40588-BS1)

Prepared & Analyzed: 06/12/2014

p- & m- Xylenes	20.4		ug/L	20.0		102	84-117				
p-Isopropyltoluene	10.2		"	10.0		102	84-121				
sec-Butylbenzene	9.91		"	10.0		99.1	85-119				
Styrene	10.2		"	10.0		102	77-126				
tert-Butylbenzene	10.6		"	10.0		106	83-119				
Tetrachloroethylene	11.3		"	10.0		113	75-129				
Toluene	10.0		"	10.0		100	86-113				
trans-1,2-Dichloroethylene	11.6		"	10.0		116	55-148				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	77-120				
Trichloroethylene	11.5		"	10.0		115	85-115				
Trichlorofluoromethane	12.1		"	10.0		121	69-131				
Vinyl Chloride	11.0		"	10.0		110	44-152				
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	81-123				
Surrogate: p-Bromofluorobenzene	10.0		"	10.0		100	70-128				
Surrogate: Toluene-d8	9.78		"	10.0		97.8	88-114				

LCS Dup (BF40588-BSD1)

Prepared & Analyzed: 06/12/2014

1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	85-118		3.15	30	
1,1,1-Trichloroethane	12.3		"	10.0		123	74-128		2.31	30	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	71-130		8.50	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6		"	10.0		116	51-157		3.06	30	
1,1,2-Trichloroethane	10.9		"	10.0		109	80-122		5.29	30	
1,1-Dichloroethane	11.8		"	10.0		118	70-131		0.598	30	
1,1-Dichloroethylene	11.4		"	10.0		114	60-143		2.30	30	
1,1-Dichloropropylene	11.9		"	10.0		119	78-122		1.53	30	
1,2,3-Trichlorobenzene	11.0		"	10.0		110	68-140		0.638	30	
1,2,3-Trichloropropane	12.0		"	10.0		120	77-125		12.5	30	
1,2,4-Trichlorobenzene	10.9		"	10.0		109	65-143		2.00	30	
1,2,4-Trimethylbenzene	9.98		"	10.0		99.8	83-121		2.38	30	
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	60-146		11.0	30	
1,2-Dibromoethane	11.8		"	10.0		118	82-122		5.59	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	85-115		1.06	30	
1,2-Dichloroethane	13.4		"	10.0		134	72-126	High Bias	10.0	30	
1,2-Dichloropropane	10.3		"	10.0		103	78-119		1.54	30	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	84-118		1.56	30	
1,3-Dichlorobenzene	10.3		"	10.0		103	83-117		1.83	30	
1,3-Dichloropropane	11.0		"	10.0		110	79-121		1.28	30	
1,4-Dichlorobenzene	10.4		"	10.0		104	83-118		1.90	30	
2,2-Dichloropropane	9.38		"	10.0		93.8	60-135		0.213	30	
2-Chlorotoluene	9.77		"	10.0		97.7	81-118		0.205	30	
2-Hexanone	10.8		"	10.0		108	50-151		11.4	30	
4-Chlorotoluene	9.82		"	10.0		98.2	81-117		1.62	30	
Acetone	8.94		"	10.0		89.4	21-172		1.33	30	
Benzene	11.2		"	10.0		112	82-120		2.61	30	
Bromobenzene	9.48		"	10.0		94.8	82-119		0.736	30	
Bromochloromethane	12.1		"	10.0		121	69-125		4.56	30	
Bromodichloromethane	11.0		"	10.0		110	84-117		0.272	30	
Bromoform	11.4		"	10.0		114	77-130		7.20	30	
Bromomethane	6.51		"	10.0		65.1	16-162		9.32	30	
Carbon tetrachloride	12.3		"	10.0		123	72-132		1.97	30	
Chlorobenzene	10.4		"	10.0		104	88-112		0.580	30	
Chloroethane	11.2		"	10.0		112	29-172		3.16	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 BF40588 - EPA 5030B**

**LCS Dup (BF40588-BSD1)**

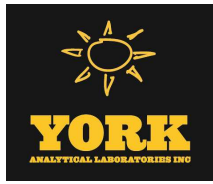
Prepared & Analyzed: 06/12/2014

Chloroform	12.1		ug/L	10.0		121	77-124		2.50	30	
Chloromethane	11.5		"	10.0		115	37-131		8.07	30	
cis-1,2-Dichloroethylene	12.6		"	10.0		126	77-124	High Bias	2.74	30	
cis-1,3-Dichloropropylene	11.3		"	10.0		113	81-117		0.0886	30	
Dibromochloromethane	11.5		"	10.0		115	72-131		2.81	30	
Dibromomethane	11.7		"	10.0		117	85-116	High Bias	3.58	30	
Dichlorodifluoromethane	13.1		"	10.0		131	47-152		4.78	30	
Ethyl Benzene	10.2		"	10.0		102	86-114		0.489	30	
Hexachlorobutadiene	11.0		"	10.0		110	68-139		3.31	30	
Isopropylbenzene	9.64		"	10.0		96.4	84-118		3.16	30	
Methyl tert-butyl ether (MTBE)	12.6		"	10.0		126	49-156		8.94	30	
Methylene chloride	10.6		"	10.0		106	51-145		3.44	30	
Naphthalene	11.3		"	10.0		113	67-141		6.58	30	
n-Butylbenzene	10.0		"	10.0		100	76-125		2.66	30	
n-Propylbenzene	9.46		"	10.0		94.6	84-118		2.81	30	
o-Xylene	10.1		"	10.0		101	85-114		0.0987	30	
p- & m- Xylenes	20.5		"	20.0		102	84-117		0.489	30	
p-Isopropyltoluene	9.94		"	10.0		99.4	84-121		2.88	30	
sec-Butylbenzene	9.72		"	10.0		97.2	85-119		1.94	30	
Styrene	10.2		"	10.0		102	77-126		0.392	30	
tert-Butylbenzene	9.84		"	10.0		98.4	83-119		7.91	30	
Tetrachloroethylene	11.4		"	10.0		114	75-129		0.616	30	
Toluene	9.91		"	10.0		99.1	86-113		1.00	30	
trans-1,2-Dichloroethylene	11.7		"	10.0		117	55-148		1.03	30	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	77-120		2.30	30	
Trichloroethylene	11.3		"	10.0		113	85-115		2.37	30	
Trichlorofluoromethane	12.1		"	10.0		121	69-131		0.331	30	
Vinyl Chloride	11.4		"	10.0		114	44-152		3.65	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.9</i>		<i>"</i>	<i>10.0</i>		<i>119</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.99</i>		<i>"</i>	<i>10.0</i>		<i>99.9</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.64</i>		<i>"</i>	<i>10.0</i>		<i>96.4</i>	<i>88-114</i>				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BF40450 - EPA 3010A</b>											
<b>Blank (BF40450-BLK1)</b>										Prepared & Analyzed: 06/10/2014	
Iron - Dissolved	ND	0.0200	mg/L								
<b>Duplicate (BF40450-DUP1)</b>										*Source sample: 14F0325-01 (WQ060314:1210NP2-10) Prepared & Analyzed: 06/10/2014	
Iron - Dissolved	0.0598	0.0200	mg/L		0.0589				1.39	20	
<b>Matrix Spike (BF40450-MS1)</b>										*Source sample: 14F0325-01 (WQ060314:1210NP2-10) Prepared & Analyzed: 06/10/2014	
Iron - Dissolved	1.09	0.0200	mg/L	1.00	0.0589	103	75-125				
<b>Reference (BF40450-SRM1)</b>										Prepared & Analyzed: 06/10/2014	
Iron - Dissolved	0.324	0.0200	mg/L	0.322		101	87.3-115				
<b>Batch BF40452 - EPA 3010A</b>											
<b>Blank (BF40452-BLK1)</b>										Prepared & Analyzed: 06/10/2014	
Iron	ND	0.0200	mg/L								
<b>Duplicate (BF40452-DUP1)</b>										*Source sample: 14F0325-01 (WQ060314:1210NP2-10) Prepared: 06/10/2014 Analyzed: 06/11/2014	
Iron	1.92	0.0200	mg/L		1.94				0.950	20	
<b>Matrix Spike (BF40452-MS1)</b>										*Source sample: 14F0325-01 (WQ060314:1210NP2-10) Prepared: 06/10/2014 Analyzed: 06/11/2014	
Iron	2.91	0.0200	mg/L	1.00	1.94	96.9	75-125				
<b>Reference (BF40452-SRM1)</b>										Prepared & Analyzed: 06/10/2014	
Iron	0.324	0.0200	mg/L	0.322		101	87.3-115				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

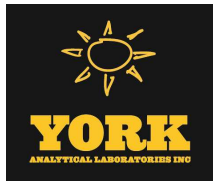
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BF40360 - % Solids Prep**

**Blank (BF40360-BLK1)**

Prepared: 06/09/2014 Analyzed: 06/10/2014

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

<b>Lab ID</b>	<b>Client Sample ID</b>	<b>Volatile Sample Container</b>
14F0325-01	WQ060314:1210NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14F0335-01	WQ060314:1200NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14F0335-02	WQ060314:1205NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Notes and Definitions

- 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.
- B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

- 
- \* 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.

# YORK

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

## Field Chain-of-Custody Record

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

Page 1 of 1

York Project No. 14F0325

<b>YOUR Information</b> Company: <u>LBG</u> Address: <u>4 Research Dr Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-988-8555</u> Contact Person: <u>Tunde Sandor</u> E-Mail Address: <u>Tsandor@lbgi.com</u>		<b>Report To:</b> Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<b>Invoice To:</b> Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<b>YOUR Project ID</b> Metals: _____ Semit-Vols. _____ Per-Carbon _____ Volatiles _____ Matrix Codes _____		<b>Turn-Around Time</b> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard(5-7 Days) <input checked="" type="checkbox"/>		<b>Report Type</b> Summary Report <u>X</u> , pdf Summary w/ QA Summary <u>X</u> , pdf CT RCP Package CTRCP DQADUE Pkg NY ASP A Package NY ASP B Package <u>NP2-10 only</u> NIDEP Red. Deliv. Electronic Data Deliverables (EDD) Simple Excel <u>X</u> NYSDEC EQUIS EQUIS (std) EZ-EDD (EQUIS) NIDEP SRP HazSite EDD GIS/KEY (std) Other York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (please fill in):	
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**Print Clearly and Legibly. All information must be completed. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.**

Samples Collected/Authorized By (Signature)  
  
Name (printed)  
STEPHEN HNAI

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container	Description(s)	Temperature on Receipt
WQ060314: 1200 NP2-6	6/3/14 1200	GW	Fe by EPA 800.71 Fe; Dissolved by EPA 6010 (SW 846-6100) / VOCs, P260 List (EPA SW 845-8260b) plus fcaon 113	3V 2P		
WQ060314: 1205 NP2-7	1205	GW	Fe by EPA 800.71 Fe; Dissolved by EPA 6010 (SW 846-6100) / VOCs	3V 2P		
WQ060314: 1210 NP2-10	1210	GW	P260 List (EPA SW 845-8260b) plus fcaon 113 / TO.S (SH 2540c)	3V 3P		
Comments Preservation _____ Check those Applicable Special _____ Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>						
4°C _____ Frozen _____ HCl _____ HNO <sub>3</sub> _____ H <sub>2</sub> SO <sub>4</sub> _____ NaOH _____ ZnAc _____ Ascorbic Acid _____ Other _____ Samples Relinquished By: <u>LBG Field</u> Date/Time: <u>6/4/14 1500</u> Samples Relinquished By: <u>T. Sandor</u> Date/Time: <u>6/6/14 1205</u> Samples Relinquished By: <u>T. Sandor</u> Date/Time: <u>6/11/14 1445</u>						

# YORK

ANALYTICAL LABORATORIES, INC.

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

# Field Chain-of-Custody Record


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

Page 1 of 1

York Project No. 14F0335

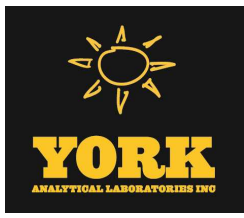
<b>YOUR INFORMATION</b> Company: <u>LBG</u> Address: <u>4 Research Dr, Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tonde Sandor</u> E-Mail Address: <u>Tsandor@lbgct.com</u>	<b>Report To:</b> Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____	<b>Invoice To:</b> Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____	<b>YOUR PROJECT ID</b> Misc. Org. _____ Metals _____ Semit. Volat. _____ Volatiles _____ Matrix Codes _____ S - soil Other - specify (oil, etc) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor	<b>Turn-Around Time</b> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>	<b>Report Type</b> Summary Report <input checked="" type="checkbox"/> Summary w/ QA Summary <input checked="" type="checkbox"/> CT RCP Package _____ CTRCP DQA/DUE Pkg _____ NY ASPA Package _____ NY ASP B Package <u>NP2-10 only</u> <input checked="" type="checkbox"/> NJDEP Red. Deliv. _____ Electronic Data Deliverables (EDDL) _____ Simple Excel _____ NYSEDEC EQUIS _____ EQUIS (std) _____ EZ-EDD (EQUIS) _____ NJDEP SRP HazSite EDD _____ GIS/KEY (std) _____ Other _____ York Regulatory Comparison _____ Excel Spreadsheet _____ Compare to the following (reg.s. please fill in): _____
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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.*

Samples Collected/Authorized By (Signature)  
  
STEPHANIE HNAI  
 Name (printed)

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ000314: 1200 NP2 - 6	6/3/14 1200	GW	Fe by EPA 800-7 Fe, Dissolved by EPA 6010 (SW 846-6010b) / VOCs, P260 List (EPA SW 845-8260b), plus from 113	3V 2P
WQ000314: 1205 NP2 - 7	1205	GW	Fe by EPA 800-7 Fe, Dissolved by EPA 6010 (SW 846-6010b) / VOCs, P260 List (EPA SW 845-8260b), plus from 113	3V 2P
WQ000314: 1210 NP2 - 10	1210	GW	Fe by EPA 800-7 Fe, Dissolved by EPA 6010 (SW 846-6010b) / VOCs, P260 List (EPA SW 845-8260b), plus from 113	3V 3P
<b>Comments</b> Preservation: _____ Check those Applicable: _____ Special Instructions: _____ Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>				
Temperature on Receipt: <u>4.2 °C</u>				





# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 06/25/2014

**Client Project ID: O&M Sag Harbor (Rowe Industries Site)**

York Project (SDG) No.: 14F0790

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301  
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 June 18, 2014 and listed below. The project was identified as your project: **O&M Sag Harbor (Rowe Industries Site)**.

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 Notes 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 attachment to 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>
14F0790-01	WQ061714:1540NP2-10	Water	06/17/2014	06/18/2014

**General Notes for York Project (SDG) No.: 14F0790**

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

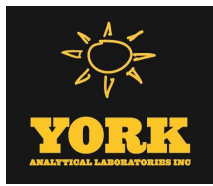
**Approved By:**



Benjamin Gulizia  
Laboratory Director

**Date:** 06/25/2014





### Sample Information

**Client Sample ID:** WQ061714:1540NP2-10

**York Sample ID:** 14F0790-01

<u>York Project (SDG) No.</u> 14F0790	<u>Client Project ID</u> O&M Sag Harbor (Rowe Industries Site)	<u>Matrix</u> Water	<u>Collection Date/Time</u> June 17, 2014 3:40 pm	<u>Date Received</u> 06/18/2014
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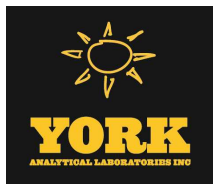
**Volatile Organics, 8260 List - Low Level**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS



### Sample Information

**Client Sample ID:** WQ061714:1540NP2-10

**York Sample ID:** 14F0790-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0790

O&M Sag Harbor (Rowe Industries Site)

Water

June 17, 2014 3:40 pm

06/18/2014

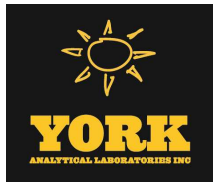
**Volatile Organics, 8260 List - Low Level**

**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
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/20/2014 08:04	06/20/2014 18:51	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %		81-123							
460-00-4	Surrogate: p-Bromofluorobenzene	95.0 %		70-128							
2037-26-5	Surrogate: Toluene-d8	102 %		88-114							



**Sample Information**

**Client Sample ID:** WQ061714:1540NP2-10

**York Sample ID:** 14F0790-01

<u>York Project (SDG) No.</u> 14F0790	<u>Client Project ID</u> O&M Sag Harbor (Rowe Industries Site)	<u>Matrix</u> Water	<u>Collection Date/Time</u> June 17, 2014 3:40 pm	<u>Date Received</u> 06/18/2014
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**Iron by EPA 200.7**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	2.16		mg/L	0.0146	0.0200	1	EPA 200.7	06/20/2014 13:46	06/21/2014 01:16	MW

**Iron, Dissolved by EPA 6010**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0626		mg/L	0.0200	0.0200	1	EPA 6010C	06/20/2014 13:43	06/20/2014 23:43	MW

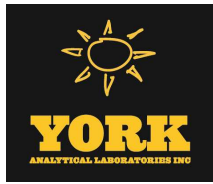
**Total Dissolved Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	131		mg/L	1.00	1.00	1	SM 2540C	06/23/2014 16:58	06/23/2014 16:58	AA



## Analytical Batch Summary

**Batch ID:** BF40992      **Preparation Method:** EPA 5030B      **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14F0790-01	WQ061714:1540NP2-10	06/20/14
BF40992-BLK1	Blank	06/20/14
BF40992-BS1	LCS	06/20/14
BF40992-BSD1	LCS Dup	06/20/14

**Batch ID:** BF40999      **Preparation Method:** EPA 3010A      **Prepared By:** MW

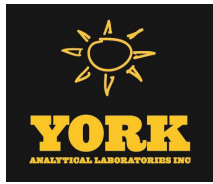
YORK Sample ID	Client Sample ID	Preparation Date
14F0790-01	WQ061714:1540NP2-10	06/20/14
BF40999-BLK1	Blank	06/20/14
BF40999-SRM1	Reference	06/20/14

**Batch ID:** BF41000      **Preparation Method:** EPA 3010A      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14F0790-01	WQ061714:1540NP2-10	06/20/14
BF41000-BLK1	Blank	06/20/14
BF41000-SRM1	Reference	06/20/14

**Batch ID:** BF41094      **Preparation Method:** % Solids Prep      **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14F0790-01	WQ061714:1540NP2-10	06/23/14
BF41094-BLK1	Blank	06/23/14



**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 BF40992 - EPA 5030B**

**Blank (BF40992-BLK1)**

Prepared & Analyzed: 06/20/2014

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.50	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.38	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	"								
o-Xylene	ND	0.50	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BF40992 - EPA 5030B**

**Blank (BF40992-BLK1)**

Prepared & Analyzed: 06/20/2014

p- & m- Xylenes	ND	1.0	ug/L								
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>	9.74		"	10.0		97.4		81-123			
<i>Surrogate: p-Bromofluorobenzene</i>	10.1		"	10.0		101		70-128			
<i>Surrogate: Toluene-d8</i>	10.4		"	10.0		104		88-114			

**LCS (BF40992-BS1)**

Prepared & Analyzed: 06/20/2014

1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101		85-118			
1,1,1-Trichloroethane	10.5		"	10.0		105		74-128			
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108		71-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105		51-157			
1,1,2-Trichloroethane	10.2		"	10.0		102		80-122			
1,1-Dichloroethane	10.2		"	10.0		102		70-131			
1,1-Dichloroethylene	10.6		"	10.0		106		60-143			
1,1-Dichloropropylene	10.7		"	10.0		107		78-122			
1,2,3-Trichlorobenzene	10.2		"	10.0		102		68-140			
1,2,3-Trichloropropane	9.82		"	10.0		98.2		77-125			
1,2,4-Trichlorobenzene	10.1		"	10.0		101		65-143			
1,2,4-Trimethylbenzene	10.2		"	10.0		102		83-121			
1,2-Dibromo-3-chloropropane	8.01		"	10.0		80.1		60-146			
1,2-Dibromoethane	10.1		"	10.0		101		82-122			
1,2-Dichlorobenzene	9.93		"	10.0		99.3		85-115			
1,2-Dichloroethane	10.2		"	10.0		102		72-126			
1,2-Dichloropropane	10.1		"	10.0		101		78-119			
1,3,5-Trimethylbenzene	10.1		"	10.0		101		84-118			
1,3-Dichlorobenzene	9.85		"	10.0		98.5		83-117			
1,3-Dichloropropane	10.5		"	10.0		105		79-121			
1,4-Dichlorobenzene	9.93		"	10.0		99.3		83-118			
2,2-Dichloropropane	11.5		"	10.0		115		60-135			
2-Chlorotoluene	9.92		"	10.0		99.2		81-118			
2-Hexanone	11.3		"	10.0		113		50-151			
4-Chlorotoluene	9.85		"	10.0		98.5		81-117			
Acetone	8.12		"	10.0		81.2		21-172			
Benzene	10.2		"	10.0		102		82-120			
Bromobenzene	9.92		"	10.0		99.2		82-119			
Bromochloromethane	10.4		"	10.0		104		69-125			
Bromodichloromethane	10.3		"	10.0		103		84-117			
Bromoform	10.4		"	10.0		104		77-130			
Bromomethane	10.7		"	10.0		107		16-162			
Carbon tetrachloride	10.6		"	10.0		106		72-132			
Chlorobenzene	10.1		"	10.0		101		88-112			



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 BF40992 - EPA 5030B

LCS (BF40992-BS1)

Prepared & Analyzed: 06/20/2014

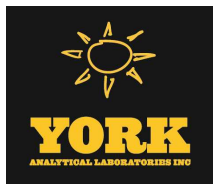
Chloroethane	10.2		ug/L	10.0		102	29-172				
Chloroform	10.1		"	10.0		101	77-124				
Chloromethane	10.2		"	10.0		102	37-131				
cis-1,2-Dichloroethylene	10.3		"	10.0		103	77-124				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	81-117				
Dibromochloromethane	10.1		"	10.0		101	72-131				
Dibromomethane	10.7		"	10.0		107	85-116				
Dichlorodifluoromethane	10.7		"	10.0		107	47-152				
Ethyl Benzene	10.3		"	10.0		103	86-114				
Hexachlorobutadiene	10.2		"	10.0		102	68-139				
Isopropylbenzene	10.3		"	10.0		103	84-118				
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	49-156				
Methylene chloride	9.41		"	10.0		94.1	51-145				
Naphthalene	10.3		"	10.0		103	67-141				
n-Butylbenzene	10.4		"	10.0		104	76-125				
n-Propylbenzene	10.2		"	10.0		102	84-118				
o-Xylene	10.1		"	10.0		101	85-114				
p- & m- Xylenes	20.7		"	20.0		103	84-117				
p-Isopropyltoluene	10.4		"	10.0		104	84-121				
sec-Butylbenzene	10.4		"	10.0		104	85-119				
Styrene	10.1		"	10.0		101	77-126				
tert-Butylbenzene	10.2		"	10.0		102	83-119				
Tetrachloroethylene	10.1		"	10.0		101	75-129				
Toluene	10.0		"	10.0		100	86-113				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	55-148				
trans-1,3-Dichloropropylene	10.6		"	10.0		106	77-120				
Trichloroethylene	10.2		"	10.0		102	85-115				
Trichlorofluoromethane	10.9		"	10.0		109	69-131				
Vinyl Chloride	10.9		"	10.0		109	44-152				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.80</i>		<i>"</i>	<i>10.0</i>		<i>98.0</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.77</i>		<i>"</i>	<i>10.0</i>		<i>97.7</i>	<i>88-114</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level
<b>Batch BF40992 - EPA 5030B</b>										
<b>LCS Dup (BF40992-BSD1)</b>										
Prepared & Analyzed: 06/20/2014										
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0	104	85-118			2.74	30
1,1,1-Trichloroethane	10.8		"	10.0	108	74-128			2.91	30
1,1,2,2-Tetrachloroethane	10.4		"	10.0	104	71-130			3.40	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0	109	51-157			3.55	30
1,1,2-Trichloroethane	10.2		"	10.0	102	80-122			0.295	30
1,1-Dichloroethane	10.8		"	10.0	108	70-131			5.13	30
1,1-Dichloroethylene	11.0		"	10.0	110	60-143			3.99	30
1,1-Dichloropropylene	11.1		"	10.0	111	78-122			3.03	30
1,2,3-Trichlorobenzene	10.2		"	10.0	102	68-140			0.0977	30
1,2,3-Trichloropropane	9.74		"	10.0	97.4	77-125			0.818	30
1,2,4-Trichlorobenzene	10.1		"	10.0	101	65-143			0.197	30
1,2,4-Trimethylbenzene	10.6		"	10.0	106	83-121			4.71	30
1,2-Dibromo-3-chloropropane	10.7		"	10.0	107	60-146			28.9	30
1,2-Dibromoethane	10.3		"	10.0	103	82-122			1.96	30
1,2-Dichlorobenzene	10.2		"	10.0	102	85-115			2.98	30
1,2-Dichloroethane	10.2		"	10.0	102	72-126			0.0978	30
1,2-Dichloropropane	10.6		"	10.0	106	78-119			4.82	30
1,3,5-Trimethylbenzene	10.8		"	10.0	108	84-118			6.12	30
1,3-Dichlorobenzene	10.3		"	10.0	103	83-117			4.76	30
1,3-Dichloropropane	10.2		"	10.0	102	79-121			2.31	30
1,4-Dichlorobenzene	10.4		"	10.0	104	83-118			4.43	30
2,2-Dichloropropane	11.7		"	10.0	117	60-135			1.98	30
2-Chlorotoluene	10.5		"	10.0	105	81-118			5.68	30
2-Hexanone	9.26		"	10.0	92.6	50-151			19.7	30
4-Chlorotoluene	10.5		"	10.0	105	81-117			6.01	30
Acetone	7.70		"	10.0	77.0	21-172			5.31	30
Benzene	10.5		"	10.0	105	82-120			2.51	30
Bromobenzene	10.2		"	10.0	102	82-119			2.39	30
Bromochloromethane	10.4		"	10.0	104	69-125			0.480	30
Bromodichloromethane	10.4		"	10.0	104	84-117			0.970	30
Bromoform	10.8		"	10.0	108	77-130			3.50	30
Bromomethane	11.1		"	10.0	111	16-162			3.39	30
Carbon tetrachloride	10.9		"	10.0	109	72-132			2.60	30
Chlorobenzene	10.4		"	10.0	104	88-112			3.03	30
Chloroethane	10.6		"	10.0	106	29-172			3.36	30
Chloroform	10.4		"	10.0	104	77-124			2.54	30
Chloromethane	10.4		"	10.0	104	37-131			1.74	30
cis-1,2-Dichloroethylene	10.7		"	10.0	107	77-124			3.81	30
cis-1,3-Dichloropropylene	10.5		"	10.0	105	81-117			0.856	30
Dibromochloromethane	10.5		"	10.0	105	72-131			4.09	30
Dibromomethane	10.2		"	10.0	102	85-116			5.56	30
Dichlorodifluoromethane	10.8		"	10.0	108	47-152			0.464	30
Ethyl Benzene	10.7		"	10.0	107	86-114			4.10	30
Hexachlorobutadiene	10.6		"	10.0	106	68-139			4.62	30
Isopropylbenzene	10.9		"	10.0	109	84-118			5.57	30
Methyl tert-butyl ether (MTBE)	10.2		"	10.0	102	49-156			5.82	30
Methylene chloride	9.48		"	10.0	94.8	51-145			0.741	30
Naphthalene	9.98		"	10.0	99.8	67-141			3.45	30
n-Butylbenzene	10.8		"	10.0	108	76-125			4.53	30
n-Propylbenzene	10.9		"	10.0	109	84-118			6.37	30
o-Xylene	10.6		"	10.0	106	85-114			4.73	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

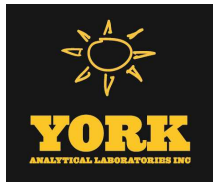
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF40992 - EPA 5030B

LCS Dup (BF40992-BSD1)

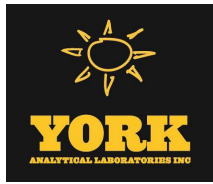
Prepared & Analyzed: 06/20/2014

p- & m- Xylenes	21.5		ug/L	20.0		108	84-117		3.98	30	
p-Isopropyltoluene	10.9		"	10.0		109	84-121		5.08	30	
sec-Butylbenzene	11.1		"	10.0		111	85-119		6.34	30	
Styrene	10.6		"	10.0		106	77-126		4.73	30	
tert-Butylbenzene	10.8		"	10.0		108	83-119		5.32	30	
Tetrachloroethylene	11.1		"	10.0		111	75-129		9.83	30	
Toluene	10.6		"	10.0		106	86-113		6.10	30	
trans-1,2-Dichloroethylene	10.8		"	10.0		108	55-148		3.12	30	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	77-120		1.14	30	
Trichloroethylene	10.6		"	10.0		106	85-115		4.14	30	
Trichlorofluoromethane	11.2		"	10.0		112	69-131		3.17	30	
Vinyl Chloride	11.3		"	10.0		113	44-152		3.61	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.88		"	10.0		98.8	81-123				
<i>Surrogate: p-Bromofluorobenzene</i>	9.82		"	10.0		98.2	70-128				
<i>Surrogate: Toluene-d8</i>	10.1		"	10.0		101	88-114				



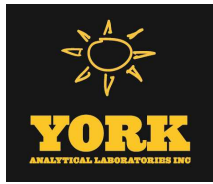
**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BF40999 - EPA 3010A</b>											
<b>Blank (BF40999-BLK1)</b>										Prepared & Analyzed: 06/20/2014	
Iron - Dissolved	ND	0.0200	mg/L								
<b>Reference (BF40999-SRM1)</b>										Prepared & Analyzed: 06/20/2014	
Iron - Dissolved	0.329	0.0200	mg/L	0.322		102	87.3-115				
<b>Batch BF41000 - EPA 3010A</b>											
<b>Blank (BF41000-BLK1)</b>										Prepared: 06/20/2014 Analyzed: 06/21/2014	
Iron	ND	0.0200	mg/L								
<b>Reference (BF41000-SRM1)</b>										Prepared: 06/20/2014 Analyzed: 06/21/2014	
Iron	0.326	0.0200	mg/L	0.322		101	87.3-115				



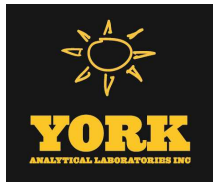
**Miscellaneous Physical Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BF41094 - % Solids Prep</b>										
<b>Blank (BF41094-BLK1)</b>										
Prepared & Analyzed: 06/23/2014										
Total Dissolved Solids	ND	1.00	mg/L							



### Volatile Analysis Sample Containers

<b>Lab ID</b>	<b>Client Sample ID</b>	<b>Volatile Sample Container</b>
14F0790-01	WQ061714:1540NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Notes and Definitions

- M-DISS The sample submitted for Dissolved Metals was not field filtered. The sample was filtered at the laboratory.
- 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.
- B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

- 
- \* 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.

# YORK

ANALYTICAL LABORATORIES, INC.

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

# Field Chain-of-Custody Record

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

York Project No. 14F0790

<b>YOUR Information</b> Company: <u>LB6</u> Address: <u>4 Research Dr. Suite 301 Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tonde Sandor</u> E-Mail Address: <u>Tsandor@lb6ct.com</u>		<b>Report To:</b> Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<b>Invoice To:</b> Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<b>YOUR Project ID</b> <u>Roche Industries.</u> Purchase Order No. <u>NAB5AG.</u> Samples from: CT NY X NJ		<b>Turn-Around Time</b> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		<b>Report Type</b> Summary Report <u>X</u> , pdf Summary w/ QA Summary <u>X</u> , pdf CT RCP Package CTRCP DQ/DUE Pkg. NY ASP A Package NY ASP B Package <u>NY2 TO ONLY</u> , pdf. NDEP Red. Deliv. <u>Electronic Data Deliverables (EDD)</u> Simple Excel <u>X</u> NYSDEC EQUIS EQUIS (std) EZ-EDD (EQUIS) NUDEP SRP HazSite EDD GIS/KEY (std) Other _____ York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (please fill in): _____	
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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.**

<b>Volatiles</b> 8260 full 624 STARS list STARS list BN Only Aetids Only Suffolk Co. MTBE TCE list TCM list CT RCP list Arom. only Halog. only App. IX list 8021B list		<b>Semi-Vols. Perfluorinated</b> 8082 PCB 8081 Pest 815 Herb CT RCP App. IX Site Spec. TCE Spec. TCEP Pest TCEP Herb Chloridane App. IX TCEP BNA TCEP/TCLP		<b>Metals</b> RCRA8 PF13 list TAL CT15 list TAGM list NUDEP list Total Dissolved SFLP/TCLP Inks/Metals LIST Below		<b>Misc. Org.</b> TPH GRO TPH DRO CT BTPH NY 310-13 TPH 1664 Air TO14A Air TO15 AF STARS Air VPH Air TICs Methane Halobn		<b>Full Lists</b> Pri. Poll. TCL Organics TAL MeqCN Full TCLP Full App. IX Part 360-Residue Heterocyclics Part 360-Residue ITOX Part 360-Residue BTU/b. Part 360-Residue Aquatic Tox. NYDEP-Sewer TOC NYSDEC-Sewer Absorbates TAGM Silica	
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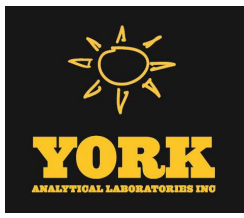
Matrix Codes  
 S - soil  
 Other - specify (oil, etc.)  
 WW - wastewater  
 GW - groundwater  
 DW - drinking water  
 Air-A - ambient air  
 Air-SV - soil vapor

Samples Collected/Authorized By (Signature)  
STEPHEN HNAI  
 Name (printed)

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
<u>W2061714-1530-2-6</u>	<u>6/17/19 1530</u>	<u>GW</u>	<u>Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010B) / VOCs, P260 List (EPA SW 846-8260b) plus from 13</u>	<u>3V 38</u>
<u>W2061714-1535-2-7</u>	<u>6/17/19 1535</u>	<u>GW</u>	<u>Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010B) / VOCs, P260 List (EPA SW 846-8260b) plus from 13 / TOS (SH 2540C)</u>	<u>3V 38</u>
<u>W2061714-1540-2-10</u>	<u>6/17/19 1540</u>	<u>GW</u>		

Comments Preservation <input type="checkbox"/> Check those applicable Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>	4°C _____ Frozen HCl _____ ZnAc _____ MeOH _____ Ascorbic Acid _____ Other _____	HNO <sub>3</sub> _____ H <sub>2</sub> O <sub>2</sub> _____ NaOH _____	Temperature on Receipt on Receipt <u>3.8</u> °C
	Samples Relinquished By <u>[Signature]</u> Date/Time <u>6/18/19 1630</u>	Samples Received By <u>[Signature]</u> Date/Time <u>6/18/19 1630</u>	Samples Relinquished By _____ Date/Time _____

**APPENDIX II**  
**JUNE 2014 LABORATORY ANALYTICAL REPORTS**  
**FOR FSP&T AND FP&T RECOVERY WELLS**



# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 06/24/2014

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 14F0840

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 06/24/2014  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 14F0840

**Leggette Brashears & Graham Shelton Office**  
4 Research Drive, Suite 301  
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 June 18, 2014 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 Notes 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 attachment to 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>
14F0840-01	WQ061714:1400NP1-1-2	Water	06/17/2014	06/18/2014
14F0840-02	WQ061714:1416NP1-1-4	Water	06/17/2014	06/18/2014
14F0840-03	WQ061714:1306NP1-1-6	Water	06/17/2014	06/18/2014
14F0840-04	WQ061714:1347NP1-1-7	Water	06/17/2014	06/18/2014

## **General Notes for York Project (SDG) No.: 14F0840**

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

**Approved By:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 06/24/2014





### Sample Information

**Client Sample ID:** WQ061714:1400NP1-1-2

**York Sample ID:** 14F0840-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
14F0840	Rowe Industries	Water	June 17, 2014 2:00 pm	06/18/2014

**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	06/23/2014 15:52	06/24/2014 01:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS



### Sample Information

**Client Sample ID:** WQ061714:1400NP1-1-2

**York Sample ID:** 14F0840-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0840

Rowe Industries

Water

June 17, 2014 2:00 pm

06/18/2014

**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
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>0.54</b>		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>0.26</b>	J	ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
79-01-6	<b>Trichloroethylene</b>	<b>0.24</b>	J	ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:46	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %		81-123							
460-00-4	Surrogate: p-Bromofluorobenzene	100 %		70-128							
2037-26-5	Surrogate: Toluene-d8	99.6 %		88-114							



### Sample Information

**Client Sample ID:** WQ061714:1416NP1-1-4

**York Sample ID:** 14F0840-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0840

Rowe Industries

Water

June 17, 2014 2:16 pm

06/18/2014

**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	06/23/2014 15:52	06/24/2014 02:18	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS



### Sample Information

**Client Sample ID:** WQ061714:1416NP1-1-4

**York Sample ID:** 14F0840-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0840

Rowe Industries

Water

June 17, 2014 2:16 pm

06/18/2014

**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
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>2.0</b>		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
79-01-6	<b>Trichloroethylene</b>	<b>0.69</b>		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:18	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %		81-123							
460-00-4	Surrogate: p-Bromofluorobenzene	100 %		70-128							
2037-26-5	Surrogate: Toluene-d8	104 %		88-114							



### Sample Information

**Client Sample ID:** WQ061714:1306NP1-1-6

**York Sample ID:** 14F0840-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0840

Rowe Industries

Water

June 17, 2014 1:06 pm

06/18/2014

**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	06/23/2014 15:52	06/24/2014 02:51	SS
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>1.3</b>		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
75-34-3	<b>1,1-Dichloroethane</b>	<b>1.1</b>		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS



### Sample Information

**Client Sample ID:** WQ061714:1306NP1-1-6

**York Sample ID:** 14F0840-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0840

Rowe Industries

Water

June 17, 2014 1:06 pm

06/18/2014

**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
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>0.54</b>		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>0.24</b>	J	ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/23/2014 15:52	06/24/2014 02:51	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	70-128								
2037-26-5	Surrogate: Toluene-d8	104 %	88-114								



### Sample Information

**Client Sample ID:** WQ061714:1347NP1-1-7

**York Sample ID:** 14F0840-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0840

Rowe Industries

Water

June 17, 2014 1:47 pm

06/18/2014

**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	06/23/2014 15:52	06/24/2014 03:23	SS
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>0.25</b>	J	ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
75-34-3	<b>1,1-Dichloroethane</b>	<b>0.34</b>	J	ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS



### Sample Information

**Client Sample ID:** WQ061714:1347NP1-1-7

**York Sample ID:** 14F0840-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0840

Rowe Industries

Water

June 17, 2014 1:47 pm

06/18/2014

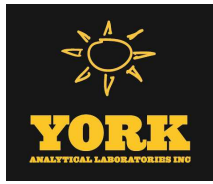
**Volatile Organics, 8260 List - Low Level**

**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
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/23/2014 15:52	06/24/2014 03:23	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			81-123						
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			70-128						
2037-26-5	Surrogate: Toluene-d8	106 %			88-114						



## Analytical Batch Summary

**Batch ID:** BF41088

**Preparation Method:** EPA 5030B

**Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14F0840-01	WQ061714:1400NP1-1-2	06/23/14
14F0840-02	WQ061714:1416NP1-1-4	06/23/14
14F0840-03	WQ061714:1306NP1-1-6	06/23/14
14F0840-04	WQ061714:1347NP1-1-7	06/23/14
BF41088-BLK1	Blank	06/23/14
BF41088-BS1	LCS	06/23/14
BF41088-BSD1	LCS Dup	06/23/14



**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 BF41088 - EPA 5030B**

**Blank (BF41088-BLK1)**

Prepared & Analyzed: 06/23/2014

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.45	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.36	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	0.28	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BF41088 - EPA 5030B**

**Blank (BF41088-BLK1)**

Prepared & Analyzed: 06/23/2014

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

*Surrogate: 1,2-Dichloroethane-d4*

10.6

"

10.0

106

81-123

*Surrogate: p-Bromofluorobenzene*

9.94

"

10.0

99.4

70-128

*Surrogate: Toluene-d8*

10.0

"

10.0

100

88-114

**LCS (BF41088-BS1)**

Prepared & Analyzed: 06/23/2014

1,1,1,2-Tetrachloroethane	11.3		ug/L	10.0		113	85-118				
1,1,1-Trichloroethane	11.7		"	10.0		117	74-128				
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5		"	10.0		115	51-157				
1,1,2-Trichloroethane	10.8		"	10.0		108	80-122				
1,1-Dichloroethane	11.3		"	10.0		113	70-131				
1,1-Dichloroethylene	12.0		"	10.0		120	60-143				
1,1-Dichloropropylene	11.6		"	10.0		116	78-122				
1,2,3-Trichlorobenzene	11.1		"	10.0		111	68-140				
1,2,3-Trichloropropane	10.4		"	10.0		104	77-125				
1,2,4-Trichlorobenzene	10.9		"	10.0		109	65-143				
1,2,4-Trimethylbenzene	11.6		"	10.0		116	83-121				
1,2-Dibromo-3-chloropropane	8.39		"	10.0		83.9	60-146				
1,2-Dibromoethane	11.2		"	10.0		112	82-122				
1,2-Dichlorobenzene	10.8		"	10.0		108	85-115				
1,2-Dichloroethane	10.9		"	10.0		109	72-126				
1,2-Dichloropropane	11.2		"	10.0		112	78-119				
1,3,5-Trimethylbenzene	11.2		"	10.0		112	84-118				
1,3-Dichlorobenzene	10.9		"	10.0		109	83-117				
1,3-Dichloropropane	11.1		"	10.0		111	79-121				
1,4-Dichlorobenzene	11.0		"	10.0		110	83-118				
2,2-Dichloropropane	9.53		"	10.0		95.3	60-135				
2-Chlorotoluene	11.6		"	10.0		116	81-118				
2-Hexanone	10.5		"	10.0		105	50-151				
4-Chlorotoluene	11.4		"	10.0		114	81-117				
Acetone	8.79		"	10.0		87.9	21-172				
Benzene	11.2		"	10.0		112	82-120				
Bromobenzene	11.3		"	10.0		113	82-119				
Bromochloromethane	10.9		"	10.0		109	69-125				
Bromodichloromethane	11.3		"	10.0		113	84-117				
Bromoform	11.2		"	10.0		112	77-130				
Bromomethane	11.2		"	10.0		112	16-162				
Carbon tetrachloride	11.9		"	10.0		119	72-132				
Chlorobenzene	11.1		"	10.0		111	88-112				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF41088 - EPA 5030B

LCS (BF41088-BS1)

Prepared & Analyzed: 06/23/2014

Chloroethane	10.9		ug/L	10.0		109	29-172						
Chloroform	11.1		"	10.0		111	77-124						
Chloromethane	11.5		"	10.0		115	37-131						
cis-1,2-Dichloroethylene	11.0		"	10.0		110	77-124						
cis-1,3-Dichloropropylene	11.0		"	10.0		110	81-117						
Dibromochloromethane	11.5		"	10.0		115	72-131						
Dibromomethane	10.8		"	10.0		108	85-116						
Dichlorodifluoromethane	11.7		"	10.0		117	47-152						
Ethyl Benzene	11.9		"	10.0		119	86-114		High Bias				
Hexachlorobutadiene	11.3		"	10.0		113	68-139						
Isopropylbenzene	12.3		"	10.0		123	84-118		High Bias				
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	49-156						
Methylene chloride	9.60		"	10.0		96.0	51-145						
Naphthalene	11.4		"	10.0		114	67-141						
n-Butylbenzene	11.4		"	10.0		114	76-125						
n-Propylbenzene	11.7		"	10.0		117	84-118						
o-Xylene	11.7		"	10.0		117	85-114		High Bias				
p- & m- Xylenes	23.8		"	20.0		119	84-117		High Bias				
p-Isopropyltoluene	11.9		"	10.0		119	84-121						
sec-Butylbenzene	12.2		"	10.0		122	85-119		High Bias				
Styrene	8.92		"	10.0		89.2	77-126						
tert-Butylbenzene	12.0		"	10.0		120	83-119		High Bias				
Tetrachloroethylene	11.9		"	10.0		119	75-129						
Toluene	11.6		"	10.0		116	86-113		High Bias				
trans-1,2-Dichloroethylene	11.5		"	10.0		115	55-148						
trans-1,3-Dichloropropylene	11.0		"	10.0		110	77-120						
Trichloroethylene	11.3		"	10.0		113	85-115						
Trichlorofluoromethane	11.6		"	10.0		116	69-131						
Vinyl Chloride	12.0		"	10.0		120	44-152						
Surrogate: 1,2-Dichloroethane-d4	9.76		"	10.0		97.6	81-123						
Surrogate: p-Bromofluorobenzene	9.97		"	10.0		99.7	70-128						
Surrogate: Toluene-d8	10.1		"	10.0		101	88-114						



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level
<b>Batch BF41088 - EPA 5030B</b>										
<b>LCS Dup (BF41088-BSD1)</b>										
Prepared & Analyzed: 06/23/2014										
1,1,1,2-Tetrachloroethane	11.4		ug/L	10.0	114	85-118			0.878	30
1,1,1-Trichloroethane	12.0		"	10.0	120	74-128			2.20	30
1,1,2,2-Tetrachloroethane	11.3		"	10.0	113	71-130			4.62	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7		"	10.0	117	51-157			1.21	30
1,1,2-Trichloroethane	10.9		"	10.0	109	80-122			1.20	30
1,1-Dichloroethane	11.4		"	10.0	114	70-131			1.15	30
1,1-Dichloroethylene	12.1		"	10.0	121	60-143			0.580	30
1,1-Dichloropropylene	12.0		"	10.0	120	78-122			3.56	30
1,2,3-Trichlorobenzene	11.1		"	10.0	111	68-140			0.180	30
1,2,3-Trichloropropane	10.4		"	10.0	104	77-125			0.865	30
1,2,4-Trichlorobenzene	10.9		"	10.0	109	65-143			0.00	30
1,2,4-Trimethylbenzene	11.5		"	10.0	115	83-121			1.04	30
1,2-Dibromo-3-chloropropane	9.91		"	10.0	99.1	60-146			16.6	30
1,2-Dibromoethane	11.2		"	10.0	112	82-122			0.00	30
1,2-Dichlorobenzene	10.9		"	10.0	109	85-115			1.01	30
1,2-Dichloroethane	11.5		"	10.0	115	72-126			5.38	30
1,2-Dichloropropane	11.0		"	10.0	110	78-119			1.08	30
1,3,5-Trimethylbenzene	11.1		"	10.0	111	84-118			1.43	30
1,3-Dichlorobenzene	10.9		"	10.0	109	83-117			0.0915	30
1,3-Dichloropropane	11.4		"	10.0	114	79-121			2.22	30
1,4-Dichlorobenzene	10.8		"	10.0	108	83-118			1.47	30
2,2-Dichloropropane	9.65		"	10.0	96.5	60-135			1.25	30
2-Chlorotoluene	11.5		"	10.0	115	81-118			1.30	30
2-Hexanone	12.2		"	10.0	122	50-151			15.3	30
4-Chlorotoluene	11.3		"	10.0	113	81-117			0.352	30
Acetone	9.67		"	10.0	96.7	21-172			9.53	30
Benzene	11.5		"	10.0	115	82-120			2.55	30
Bromobenzene	11.3		"	10.0	113	82-119			0.177	30
Bromochloromethane	11.6		"	10.0	116	69-125			5.78	30
Bromodichloromethane	11.5		"	10.0	115	84-117			1.40	30
Bromoform	11.5		"	10.0	115	77-130			3.18	30
Bromomethane	11.9		"	10.0	119	16-162			6.06	30
Carbon tetrachloride	12.4		"	10.0	124	72-132			4.20	30
Chlorobenzene	11.2		"	10.0	112	88-112			0.990	30
Chloroethane	10.7		"	10.0	107	29-172			2.23	30
Chloroform	11.6		"	10.0	116	77-124			4.06	30
Chloromethane	12.3		"	10.0	123	37-131			6.40	30
cis-1,2-Dichloroethylene	11.3		"	10.0	113	77-124			3.05	30
cis-1,3-Dichloropropylene	11.2		"	10.0	112	81-117			2.07	30
Dibromochloromethane	11.4		"	10.0	114	72-131			1.40	30
Dibromomethane	11.5		"	10.0	115	85-116			5.82	30
Dichlorodifluoromethane	11.6		"	10.0	116	47-152			0.172	30
Ethyl Benzene	11.8		"	10.0	118	86-114	High Bias		0.759	30
Hexachlorobutadiene	11.0		"	10.0	110	68-139			3.32	30
Isopropylbenzene	12.0		"	10.0	120	84-118	High Bias		2.14	30
Methyl tert-butyl ether (MTBE)	12.0		"	10.0	120	49-156			6.44	30
Methylene chloride	10.0		"	10.0	100	51-145			4.18	30
Naphthalene	11.6		"	10.0	116	67-141			2.08	30
n-Butylbenzene	11.2		"	10.0	112	76-125			1.42	30
n-Propylbenzene	11.6		"	10.0	116	84-118			1.29	30
o-Xylene	11.8		"	10.0	118	85-114	High Bias		0.848	30



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

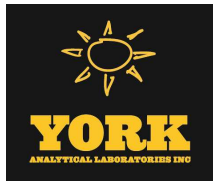
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BF41088 - EPA 5030B**

**LCS Dup (BF41088-BSD1)**

Prepared & Analyzed: 06/23/2014

p- & m- Xylenes	23.6		ug/L	20.0		118	84-117	High Bias	0.801	30	
p-Isopropyltoluene	11.7		"	10.0		117	84-121		1.70	30	
sec-Butylbenzene	12.0		"	10.0		120	85-119	High Bias	1.32	30	
Styrene	8.97		"	10.0		89.7	77-126		0.559	30	
tert-Butylbenzene	11.9		"	10.0		119	83-119		0.838	30	
Tetrachloroethylene	11.1		"	10.0		111	75-129		7.31	30	
Toluene	11.2		"	10.0		112	86-113		2.99	30	
trans-1,2-Dichloroethylene	11.8		"	10.0		118	55-148		2.49	30	
trans-1,3-Dichloropropylene	11.4		"	10.0		114	77-120		3.59	30	
Trichloroethylene	11.4		"	10.0		114	85-115		1.15	30	
Trichlorofluoromethane	11.9		"	10.0		119	69-131		2.30	30	
Vinyl Chloride	12.2		"	10.0		122	44-152		1.65	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.93</i>		<i>"</i>	<i>10.0</i>		<i>99.3</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.90</i>		<i>"</i>	<i>10.0</i>		<i>99.0</i>	<i>88-114</i>				



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14F0840-01	WQ061714:1400NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14F0840-02	WQ061714:1416NP1-1-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14F0840-03	WQ061714:1306NP1-1-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14F0840-04	WQ061714:1347NP1-1-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Notes and Definitions

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.

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\* 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.

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# YORK

ANALYTICAL LABORATORIES, INC.

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

## Field Chain-of-Custody Record

Page 1 of 1

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

York Project No. 14F0840

<b>YOUR Information</b>		<b>Report To:</b>		<b>Invoice To:</b>		<b>YOUR Project ID</b>		<b>Turn-Around Time</b>		<b>Report Type</b>	
Company: <u>LBE</u>		Company: <u>Same</u>		Company: <u>Same</u>		Rowe Industries		RUSH - Same Day <input type="checkbox"/>		Summary Report <u>X, pdf</u>	
Address: <u>4 Research Dr, Suite 301</u>		Address:		Address:		Purchase Order No. <u>HABSAG</u>		RUSH - Next Day <input type="checkbox"/>		Summary w/ QA Summary <u>X, pdf</u>	
Phone No. <u>203-929-8555</u>		Phone No.:		Phone No.:				RUSH - Two Day <input type="checkbox"/>		CT RCP Package	
Contact Person: <u>Tunde Sandor</u>		Attention:		Attention:				RUSH - Three Day <input type="checkbox"/>		CTRCP DQA/DUE Pkg	
E-Mail Address: <u>TSandor@LBECT.com</u>		E-Mail Address:		E-Mail Address:		Samples from: CT <input type="checkbox"/> NY <input checked="" type="checkbox"/> NJ <input type="checkbox"/>		RUSH - Four Day <input type="checkbox"/>		NY ASP A Package	
								<b>Standard(5-7 Days) <input checked="" type="checkbox"/></b>		NY ASP B Package <u>X, pdf</u>	
										NIDEP Red. Deliv.	

**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.**

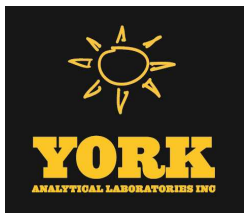
  
Samples Collected/Authorized By (Signature)  
STEPHEN HNAF  
Name (printed)

Volatiles	Semi-Vols.	Pest/PCR/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full 624 STARS list BTEX	TICs Site Spec. Nessus Co. Suffolk Co.	8270 or 625 STARS list BN Only Acids Only	8082PCB RCRA8 8081Pest PP15 list TAL CT ETIPH CT15 list	TPH GRO TPH DRO TCL Ognacs TAL MetACN NY 310-15 Full TCLP	Pri. Poll TCL Ognacs TAL MetACN Full TCLP Full App. IX Air TO14A Air TO15	Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterotrophs TOX BTU/b Aquatic Tox. TOC Asbestos Silica
Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor	MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list	PAH list TAGM list Site Spec. CT RCP list TCL list TCLP list TCLP Herb Chlordane 608 Pest 608 PCB	App. IX Site Spec. NJDEP list SPLP or TCLP Total Dissolved SPLP or TCLP Air VPH Air TICs LIST Below	TPH 1664 Air TO14A Air STARS Air VPH Air TICs Methane Helium	Part 360-Bioassay Part 360-Bioassay Part 360-Bioassay NYDEP State NYDECSave	

Simple Excel X  
NYSDEC EQUIS  
EQUIS (std)  
EZ-EDD (EQUIS)  
NIDEP SRP HazSite EDD  
GIS/KEY (std)  
Other  
York Regulatory Comparison  
Excel Spreadsheet  
Compare to the following Regs. (please fill in):

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
<u>WQ061714:1400NPI-1-2</u>	<u>4/13/14 1400</u>	<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B) plus from 113</u>	<u>3 Jugs</u>
<u>WQ061714:1416NPI-1-4</u>	<u>1416</u>			
<u>WQ061714:1306NPI-1-6</u>	<u>1306</u>			
<u>WQ061714:1347NPI-1-7</u>	<u>1347</u>			

Comments	Preservation Check those Applicable Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>	4°C <input type="checkbox"/> Frozen <input type="checkbox"/> HCl <input type="checkbox"/> MeOH <input type="checkbox"/> ZnAc <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other <input type="checkbox"/>	HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/>	Temperature on Receipt <u>38 °C</u>
	Samples Relinquished By <u>SHN</u> Date/Time <u>6/18/14 1650</u> Samples Relinquished By _____ Date/Time _____	Samples Received By <u>TC Taha</u> Date/Time <u>6/18/14 1700</u> Samples Received in L.A.B. by _____ Date/Time _____		



# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 06/25/2014

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 14F0841

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 06/25/2014  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 14F0841

**Leggette Brashears & Graham Shelton Office**  
4 Research Drive, Suite 301  
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 June 18, 2014 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 Notes 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 attachment to 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>
14F0841-01	WQ061714:1410FRW1	Water	06/17/2014	06/18/2014
14F0841-02	WQ061714:1415FRW2	Water	06/17/2014	06/18/2014
14F0841-03	WQ061714:1420FRW3	Water	06/17/2014	06/18/2014
14F0841-04	WQ061714:1425FRW4	Water	06/17/2014	06/18/2014

## **General Notes for York Project (SDG) No.: 14F0841**

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

**Approved By:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 06/25/2014





### Sample Information

**Client Sample ID:** WQ061714:1410FRW1

**York Sample ID:** 14F0841-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
14F0841	Rowe Industries	Water	June 17, 2014 2:10 pm	06/18/2014

**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	06/24/2014 08:41	06/24/2014 14:01	SS
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>0.37</b>	J	ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
67-64-1	<b>Acetone</b>	<b>1.8</b>	J, B	ug/L	1.0	2.0	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS



## Sample Information

**Client Sample ID:** WQ061714:1410FRW1

**York Sample ID:** 14F0841-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0841

Rowe Industries

Water

June 17, 2014 2:10 pm

06/18/2014

**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
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>4.5</b>		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>37</b>		ug/L	2.0	5.0	10	EPA 8260C	06/24/2014 08:41	06/25/2014 14:57	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
79-01-6	<b>Trichloroethylene</b>	<b>6.3</b>		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:01	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.3 %		81-123							
460-00-4	Surrogate: p-Bromofluorobenzene	102 %		70-128							
2037-26-5	Surrogate: Toluene-d8	99.6 %		88-114							



### Sample Information

**Client Sample ID:** WQ061714:1415FRW2

**York Sample ID:** 14F0841-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0841

Rowe Industries

Water

June 17, 2014 2:15 pm

06/18/2014

**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	06/24/2014 08:41	06/24/2014 14:33	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
67-64-1	Acetone	2.5	B	ug/L	1.0	2.0	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS



### Sample Information

**Client Sample ID:** WQ061714:1415FRW2

**York Sample ID:** 14F0841-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0841

Rowe Industries

Water

June 17, 2014 2:15 pm

06/18/2014

**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
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>0.34</b>	J	ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>27</b>		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
79-01-6	<b>Trichloroethylene</b>	<b>0.86</b>		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/24/2014 08:41	06/24/2014 14:33	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			81-123						
460-00-4	Surrogate: p-Bromofluorobenzene	107 %			70-128						
2037-26-5	Surrogate: Toluene-d8	97.3 %			88-114						



### Sample Information

**Client Sample ID:** WQ061714:1420FRW3

**York Sample ID:** 14F0841-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0841

Rowe Industries

Water

June 17, 2014 2:20 pm

06/18/2014

**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	06/24/2014 08:41	06/24/2014 15:05	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS



### Sample Information

**Client Sample ID:** WQ061714:1420FRW3

**York Sample ID:** 14F0841-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0841

Rowe Industries

Water

June 17, 2014 2:20 pm

06/18/2014

**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
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>13</b>		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
98-82-8	<b>Isopropylbenzene</b>	<b>0.72</b>		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
103-65-1	<b>n-Propylbenzene</b>	<b>0.53</b>		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>32</b>		ug/L	1.0	2.5	5	EPA 8260C	06/24/2014 08:41	06/25/2014 14:25	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
79-01-6	<b>Trichloroethylene</b>	<b>7.9</b>		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
75-01-4	<b>Vinyl Chloride</b>	<b>0.92</b>		ug/L	0.50	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:05	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.9 %		81-123							
460-00-4	Surrogate: p-Bromofluorobenzene	111 %		70-128							
2037-26-5	Surrogate: Toluene-d8	109 %		88-114							



### Sample Information

**Client Sample ID:** WQ061714:1425FRW4

**York Sample ID:** 14F0841-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0841

Rowe Industries

Water

June 17, 2014 2:25 pm

06/18/2014

**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	06/24/2014 08:41	06/24/2014 15:36	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS



### Sample Information

**Client Sample ID:** WQ061714:1425FRW4

**York Sample ID:** 14F0841-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0841

Rowe Industries

Water

June 17, 2014 2:25 pm

06/18/2014

**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
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>4.3</b>		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>21</b>		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
79-01-6	<b>Trichloroethylene</b>	<b>1.7</b>		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/24/2014 08:41	06/24/2014 15:36	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %		81-123							
460-00-4	Surrogate: p-Bromofluorobenzene	114 %		70-128							
2037-26-5	Surrogate: Toluene-d8	101 %		88-114							



## Analytical Batch Summary

**Batch ID:** BF41155

**Preparation Method:** EPA 5030B

**Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14F0841-01	WQ061714:1410FRW1	06/24/14
14F0841-02	WQ061714:1415FRW2	06/24/14
14F0841-03	WQ061714:1420FRW3	06/24/14
14F0841-04	WQ061714:1425FRW4	06/24/14
BF41155-BLK1	Blank	06/24/14
BF41155-BS1	LCS	06/24/14
BF41155-BSD1	LCS Dup	06/24/14

**Batch ID:** BF41227

**Preparation Method:** EPA 5030B

**Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14F0841-01RE1	WQ061714:1410FRW1	06/25/14
14F0841-03RE1	WQ061714:1420FRW3	06/25/14
BF41227-BLK1	Blank	06/25/14
BF41227-BS1	LCS	06/25/14
BF41227-BSD1	LCS Dup	06/25/14



**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 BF41155 - EPA 5030B**

**Blank (BF41155-BLK1)**

Prepared & Analyzed: 06/24/2014

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.48	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.35	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	2.6	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	0.30	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



**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 BF41155 - EPA 5030B**

**Blank (BF41155-BLK1)**

Prepared & Analyzed: 06/24/2014

p- & m- Xylenes	ND	1.0	ug/L								
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

10.4

"

10.0

104

81-123

Surrogate: p-Bromofluorobenzene

10.1

"

10.0

101

70-128

Surrogate: Toluene-d8

10.2

"

10.0

102

88-114

**LCS (BF41155-BS1)**

Prepared & Analyzed: 06/24/2014

1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	85-118				
1,1,1-Trichloroethane	11.0		"	10.0		110	74-128				
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	51-157				
1,1,2-Trichloroethane	10.5		"	10.0		105	80-122				
1,1-Dichloroethane	11.1		"	10.0		111	70-131				
1,1-Dichloroethylene	11.4		"	10.0		114	60-143				
1,1-Dichloropropylene	11.2		"	10.0		112	78-122				
1,2,3-Trichlorobenzene	10.6		"	10.0		106	68-140				
1,2,3-Trichloropropane	9.76		"	10.0		97.6	77-125				
1,2,4-Trichlorobenzene	10.6		"	10.0		106	65-143				
1,2,4-Trimethylbenzene	11.4		"	10.0		114	83-121				
1,2-Dibromo-3-chloropropane	8.05		"	10.0		80.5	60-146				
1,2-Dibromoethane	10.9		"	10.0		109	82-122				
1,2-Dichlorobenzene	10.6		"	10.0		106	85-115				
1,2-Dichloroethane	10.5		"	10.0		105	72-126				
1,2-Dichloropropane	10.9		"	10.0		109	78-119				
1,3,5-Trimethylbenzene	10.9		"	10.0		109	84-118				
1,3-Dichlorobenzene	10.8		"	10.0		108	83-117				
1,3-Dichloropropane	11.0		"	10.0		110	79-121				
1,4-Dichlorobenzene	10.8		"	10.0		108	83-118				
2,2-Dichloropropane	11.3		"	10.0		113	60-135				
2-Chlorotoluene	11.3		"	10.0		113	81-118				
2-Hexanone	9.87		"	10.0		98.7	50-151				
4-Chlorotoluene	11.0		"	10.0		110	81-117				
Acetone	9.07		"	10.0		90.7	21-172				
Benzene	10.8		"	10.0		108	82-120				
Bromobenzene	10.9		"	10.0		109	82-119				
Bromochloromethane	10.6		"	10.0		106	69-125				
Bromodichloromethane	10.8		"	10.0		108	84-117				
Bromoform	10.7		"	10.0		107	77-130				
Bromomethane	13.5		"	10.0		135	16-162				
Carbon tetrachloride	11.2		"	10.0		112	72-132				
Chlorobenzene	11.0		"	10.0		110	88-112				



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 BF41155 - EPA 5030B

LCS (BF41155-BS1)

Prepared & Analyzed: 06/24/2014

Chloroethane	10.9		ug/L	10.0		109	29-172				
Chloroform	10.9		"	10.0		109	77-124				
Chloromethane	11.6		"	10.0		116	37-131				
cis-1,2-Dichloroethylene	11.0		"	10.0		110	77-124				
cis-1,3-Dichloropropylene	10.8		"	10.0		108	81-117				
Dibromochloromethane	11.1		"	10.0		111	72-131				
Dibromomethane	10.3		"	10.0		103	85-116				
Dichlorodifluoromethane	11.1		"	10.0		111	47-152				
Ethyl Benzene	11.6		"	10.0		116	86-114	High Bias			
Hexachlorobutadiene	11.2		"	10.0		112	68-139				
Isopropylbenzene	11.8		"	10.0		118	84-118				
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	49-156				
Methylene chloride	9.71		"	10.0		97.1	51-145				
Naphthalene	10.6		"	10.0		106	67-141				
n-Butylbenzene	11.3		"	10.0		113	76-125				
n-Propylbenzene	11.4		"	10.0		114	84-118				
o-Xylene	11.5		"	10.0		115	85-114	High Bias			
p- & m- Xylenes	23.4		"	20.0		117	84-117				
p-Isopropyltoluene	11.7		"	10.0		117	84-121				
sec-Butylbenzene	11.8		"	10.0		118	85-119				
Styrene	8.77		"	10.0		87.7	77-126				
tert-Butylbenzene	11.5		"	10.0		115	83-119				
Tetrachloroethylene	11.6		"	10.0		116	75-129				
Toluene	11.2		"	10.0		112	86-113				
trans-1,2-Dichloroethylene	10.9		"	10.0		109	55-148				
trans-1,3-Dichloropropylene	10.8		"	10.0		108	77-120				
Trichloroethylene	11.0		"	10.0		110	85-115				
Trichlorofluoromethane	11.3		"	10.0		113	69-131				
Vinyl Chloride	12.0		"	10.0		120	44-152				
Surrogate: 1,2-Dichloroethane-d4	9.74		"	10.0		97.4	81-123				
Surrogate: p-Bromofluorobenzene	9.83		"	10.0		98.3	70-128				
Surrogate: Toluene-d8	10.2		"	10.0		102	88-114				



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
<b>Batch BF41155 - EPA 5030B</b>											
<b>LCS Dup (BF41155-BSD1)</b>										Prepared & Analyzed: 06/24/2014	
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	85-118		0.825		30
1,1,1-Trichloroethane	11.4		"	10.0		114	74-128		3.39		30
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	71-130		0.472		30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4		"	10.0		114	51-157		4.41		30
1,1,2-Trichloroethane	10.0		"	10.0		100	80-122		4.58		30
1,1-Dichloroethane	11.1		"	10.0		111	70-131		0.0902		30
1,1-Dichloroethylene	11.4		"	10.0		114	60-143		0.702		30
1,1-Dichloropropylene	11.2		"	10.0		112	78-122		0.535		30
1,2,3-Trichlorobenzene	10.8		"	10.0		108	68-140		1.97		30
1,2,3-Trichloropropane	9.75		"	10.0		97.5	77-125		0.103		30
1,2,4-Trichlorobenzene	10.6		"	10.0		106	65-143		0.377		30
1,2,4-Trimethylbenzene	11.5		"	10.0		115	83-121		0.962		30
1,2-Dibromo-3-chloropropane	8.70		"	10.0		87.0	60-146		7.76		30
1,2-Dibromoethane	10.6		"	10.0		106	82-122		3.07		30
1,2-Dichlorobenzene	10.6		"	10.0		106	85-115		0.471		30
1,2-Dichloroethane	10.7		"	10.0		107	72-126		2.17		30
1,2-Dichloropropane	10.9		"	10.0		109	78-119		0.184		30
1,3,5-Trimethylbenzene	11.0		"	10.0		110	84-118		0.274		30
1,3-Dichlorobenzene	10.8		"	10.0		108	83-117		0.00		30
1,3-Dichloropropane	10.8		"	10.0		108	79-121		1.75		30
1,4-Dichlorobenzene	10.8		"	10.0		108	83-118		0.185		30
2,2-Dichloropropane	11.4		"	10.0		114	60-135		0.264		30
2-Chlorotoluene	11.3		"	10.0		113	81-118		0.266		30
2-Hexanone	10.3		"	10.0		103	50-151		3.87		30
4-Chlorotoluene	11.0		"	10.0		110	81-117		0.0912		30
Acetone	8.81		"	10.0		88.1	21-172		2.91		30
Benzene	11.0		"	10.0		110	82-120		1.65		30
Bromobenzene	11.0		"	10.0		110	82-119		0.819		30
Bromochloromethane	10.8		"	10.0		108	69-125		1.78		30
Bromodichloromethane	10.8		"	10.0		108	84-117		0.0923		30
Bromoform	10.8		"	10.0		108	77-130		0.465		30
Bromomethane	13.5		"	10.0		135	16-162		0.00		30
Carbon tetrachloride	11.5		"	10.0		115	72-132		2.28		30
Chlorobenzene	10.8		"	10.0		108	88-112		1.84		30
Chloroethane	10.8		"	10.0		108	29-172		1.29		30
Chloroform	11.1		"	10.0		111	77-124		1.91		30
Chloromethane	12.0		"	10.0		120	37-131		3.13		30
cis-1,2-Dichloroethylene	11.2		"	10.0		112	77-124		1.08		30
cis-1,3-Dichloropropylene	11.1		"	10.0		111	81-117		3.11		30
Dibromochloromethane	10.6		"	10.0		106	72-131		4.88		30
Dibromomethane	10.7		"	10.0		107	85-116		3.24		30
Dichlorodifluoromethane	11.3		"	10.0		113	47-152		1.34		30
Ethyl Benzene	11.4		"	10.0		114	86-114		0.956		30
Hexachlorobutadiene	11.2		"	10.0		112	68-139		0.0890		30
Isopropylbenzene	11.7		"	10.0		117	84-118		1.11		30
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	49-156		4.24		30
Methylene chloride	9.67		"	10.0		96.7	51-145		0.413		30
Naphthalene	10.9		"	10.0		109	67-141		2.70		30
n-Butylbenzene	11.4		"	10.0		114	76-125		0.791		30
n-Propylbenzene	11.5		"	10.0		115	84-118		0.875		30
o-Xylene	11.5		"	10.0		115	85-114	High Bias	0.0871		30



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BF41155 - EPA 5030B**

**LCS Dup (BF41155-BSD1)**

Prepared & Analyzed: 06/24/2014

p- & m- Xylenes	23.2		ug/L	20.0		116	84-117			0.601	30
p-Isopropyltoluene	11.8		"	10.0		118	84-121			0.510	30
sec-Butylbenzene	11.8		"	10.0		118	85-119			0.0849	30
Styrene	8.75		"	10.0		87.5	77-126			0.228	30
tert-Butylbenzene	11.6		"	10.0		116	83-119			0.606	30
Tetrachloroethylene	10.8		"	10.0		108	75-129			7.69	30
Toluene	10.8		"	10.0		108	86-113			3.27	30
trans-1,2-Dichloroethylene	11.3		"	10.0		113	55-148			3.50	30
trans-1,3-Dichloropropylene	11.1		"	10.0		111	77-120			2.64	30
Trichloroethylene	11.2		"	10.0		112	85-115			1.26	30
Trichlorofluoromethane	11.4		"	10.0		114	69-131			1.23	30
Vinyl Chloride	12.0		"	10.0		120	44-152			0.249	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.87</i>		<i>"</i>	<i>10.0</i>		<i>98.7</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.99</i>		<i>"</i>	<i>10.0</i>		<i>99.9</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.91</i>		<i>"</i>	<i>10.0</i>		<i>99.1</i>	<i>88-114</i>				

**Batch BF41227 - EPA 5030B**

**Blank (BF41227-BLK1)**

Prepared & Analyzed: 06/25/2014

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.41	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.32	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	2.0	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	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BF41227 - EPA 5030B**

**Blank (BF41227-BLK1)**

Prepared & Analyzed: 06/25/2014

Chlorobenzene	ND	0.50	ug/L								
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	0.26	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<hr/>											
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>		<i>81-123</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>		<i>70-128</i>			
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>		<i>88-114</i>			



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BF41227 - EPA 5030B**

**LCS (BF41227-BS1)**

Prepared & Analyzed: 06/25/2014

1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	85-118			
1,1,1-Trichloroethane	11.2		"	10.0		112	74-128			
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	71-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	51-157			
1,1,2-Trichloroethane	10.5		"	10.0		105	80-122			
1,1-Dichloroethane	11.0		"	10.0		110	70-131			
1,1-Dichloroethylene	11.4		"	10.0		114	60-143			
1,1-Dichloropropylene	11.4		"	10.0		114	78-122			
1,2,3-Trichlorobenzene	10.5		"	10.0		105	68-140			
1,2,3-Trichloropropane	9.87		"	10.0		98.7	77-125			
1,2,4-Trichlorobenzene	10.5		"	10.0		105	65-143			
1,2,4-Trimethylbenzene	11.3	0.50	"				83-121			
1,2-Dibromo-3-chloropropane	8.79		"	10.0		87.9	60-146			
1,2-Dibromoethane	10.8		"	10.0		108	82-122			
1,2-Dichlorobenzene	10.5		"	10.0		105	85-115			
1,2-Dichloroethane	10.7		"	10.0		107	72-126			
1,2-Dichloropropane	10.4		"	10.0		104	78-119			
1,3,5-Trimethylbenzene	11.2		"	10.0		112	84-118			
1,3-Dichlorobenzene	10.7		"	10.0		107	83-117			
1,3-Dichloropropane	11.1		"	10.0		111	79-121			
1,4-Dichlorobenzene	10.8		"	10.0		108	83-118			
2,2-Dichloropropane	11.3		"	10.0		113	60-135			
2-Chlorotoluene	11.4		"	10.0		114	81-118			
2-Hexanone	9.96		"	10.0		99.6	50-151			
4-Chlorotoluene	11.1		"	10.0		111	81-117			
Acetone	8.21		"	10.0		82.1	21-172			
Benzene	10.9		"	10.0		109	82-120			
Bromobenzene	10.9		"	10.0		109	82-119			
Bromochloromethane	10.6		"	10.0		106	69-125			
Bromodichloromethane	10.4		"	10.0		104	84-117			
Bromoform	10.9		"	10.0		109	77-130			
Bromomethane	13.1		"	10.0		131	16-162			
Carbon tetrachloride	11.4		"	10.0		114	72-132			
Chlorobenzene	10.8		"	10.0		108	88-112			
Chloroethane	11.4		"	10.0		114	29-172			
Chloroform	11.0		"	10.0		110	77-124			
Chloromethane	13.4		"	10.0		134	37-131	High Bias		
cis-1,2-Dichloroethylene	11.1		"	10.0		111	77-124			
cis-1,3-Dichloropropylene	10.5		"	10.0		105	81-117			
Dibromochloromethane	11.2		"	10.0		112	72-131			
Dibromomethane	9.69		"	10.0		96.9	85-116			
Dichlorodifluoromethane	12.1		"	10.0		121	47-152			
Ethyl Benzene	11.5		"	10.0		115	86-114	High Bias		
Hexachlorobutadiene	11.0		"	10.0		110	68-139			
Isopropylbenzene	11.7		"	10.0		117	84-118			
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	49-156			
Methylene chloride	9.45		"	10.0		94.5	51-145			
Naphthalene	10.5		"	10.0		105	67-141			
n-Butylbenzene	11.4		"	10.0		114	76-125			
n-Propylbenzene	11.4		"	10.0		114	84-118			
o-Xylene	11.5		"	10.0		115	85-114	High Bias		



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

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

**Batch BF41227 - EPA 5030B**

**LCS (BF41227-BS1)**

Prepared & Analyzed: 06/25/2014

p- & m- Xylenes	23.2		ug/L	20.0		116	84-117				
p-Isopropyltoluene	11.6		"	10.0		116	84-121				
sec-Butylbenzene	11.8		"	10.0		118	85-119				
Styrene	8.82		"	10.0		88.2	77-126				
tert-Butylbenzene	11.4		"	10.0		114	83-119				
Tetrachloroethylene	11.7		"	10.0		117	75-129				
Toluene	11.3		"	10.0		113	86-113				
trans-1,2-Dichloroethylene	11.1		"	10.0		111	55-148				
trans-1,3-Dichloropropylene	10.7		"	10.0		107	77-120				
Trichloroethylene	10.6		"	10.0		106	85-115				
Trichlorofluoromethane	11.9		"	10.0		119	69-131				
Vinyl Chloride	12.6		"	10.0		126	44-152				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.77</i>		<i>"</i>	<i>10.0</i>		<i>97.7</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.86</i>		<i>"</i>	<i>10.0</i>		<i>98.6</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>88-114</i>				

**LCS Dup (BF41227-BSD1)**

Prepared & Analyzed: 06/25/2014

1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	85-118	0.00	30		
1,1,1-Trichloroethane	11.8		"	10.0		118	74-128	5.64	30		
1,1,2,2-Tetrachloroethane	10.9		"	10.0		109	71-130	4.59	30		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2		"	10.0		122	51-157	8.27	30		
1,1,2-Trichloroethane	9.91		"	10.0		99.1	80-122	5.78	30		
1,1-Dichloroethane	11.5		"	10.0		115	70-131	4.09	30		
1,1-Dichloroethylene	12.4		"	10.0		124	60-143	8.56	30		
1,1-Dichloropropylene	11.9		"	10.0		119	78-122	4.37	30		
1,2,3-Trichlorobenzene	10.8		"	10.0		108	68-140	3.29	30		
1,2,3-Trichloropropane	9.98		"	10.0		99.8	77-125	1.11	30		
1,2,4-Trichlorobenzene	10.9		"	10.0		109	65-143	3.83	30		
1,2,4-Trimethylbenzene	11.8	0.50	"				83-121	4.15	30		
1,2-Dibromo-3-chloropropane	8.90		"	10.0		89.0	60-146	1.24	30		
1,2-Dibromoethane	10.2		"	10.0		102	82-122	5.41	30		
1,2-Dichlorobenzene	10.8		"	10.0		108	85-115	2.25	30		
1,2-Dichloroethane	11.0		"	10.0		110	72-126	2.77	30		
1,2-Dichloropropane	10.5		"	10.0		105	78-119	0.671	30		
1,3,5-Trimethylbenzene	11.6		"	10.0		116	84-118	3.32	30		
1,3-Dichlorobenzene	11.0		"	10.0		110	83-117	2.86	30		
1,3-Dichloropropane	10.4		"	10.0		104	79-121	6.63	30		
1,4-Dichlorobenzene	11.1		"	10.0		111	83-118	2.93	30		
2,2-Dichloropropane	11.8		"	10.0		118	60-135	4.51	30		
2-Chlorotoluene	11.7		"	10.0		117	81-118	2.86	30		
2-Hexanone	10.4		"	10.0		104	50-151	4.42	30		
4-Chlorotoluene	11.5		"	10.0		115	81-117	3.28	30		
Acetone	9.39		"	10.0		93.9	21-172	13.4	30		
Benzene	11.3		"	10.0		113	82-120	4.06	30		
Bromobenzene	11.2		"	10.0		112	82-119	2.80	30		
Bromochloromethane	11.0		"	10.0		110	69-125	4.18	30		
Bromodichloromethane	10.6		"	10.0		106	84-117	2.10	30		
Bromoform	10.8		"	10.0		108	77-130	0.552	30		
Bromomethane	14.2		"	10.0		142	16-162	7.94	30		
Carbon tetrachloride	12.4		"	10.0		124	72-132	7.90	30		
Chlorobenzene	11.1		"	10.0		111	88-112	2.37	30		
Chloroethane	11.7		"	10.0		117	29-172	2.25	30		



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

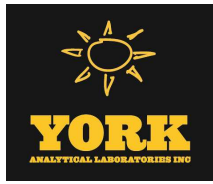
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF41227 - EPA 5030B

LCS Dup (BF41227-BSD1)

Prepared & Analyzed: 06/25/2014

Chloroform	11.6		ug/L	10.0		116	77-124		5.15	30	
Chloromethane	13.9		"	10.0		139	37-131	High Bias	3.58	30	
cis-1,2-Dichloroethylene	11.4		"	10.0		114	77-124		3.29	30	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	81-117		1.33	30	
Dibromochloromethane	10.2		"	10.0		102	72-131		9.00	30	
Dibromomethane	10.4		"	10.0		104	85-116		7.26	30	
Dichlorodifluoromethane	12.7		"	10.0		127	47-152		5.09	30	
Ethyl Benzene	12.0		"	10.0		120	86-114	High Bias	3.74	30	
Hexachlorobutadiene	11.6		"	10.0		116	68-139		4.77	30	
Isopropylbenzene	12.2		"	10.0		122	84-118	High Bias	4.68	30	
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	49-156		2.41	30	
Methylene chloride	9.72		"	10.0		97.2	51-145		2.82	30	
Naphthalene	11.0		"	10.0		110	67-141		4.84	30	
n-Butylbenzene	12.0		"	10.0		120	76-125		5.05	30	
n-Propylbenzene	11.9		"	10.0		119	84-118	High Bias	3.94	30	
o-Xylene	11.8		"	10.0		118	85-114	High Bias	2.41	30	
p- & m- Xylenes	23.9		"	20.0		119	84-117	High Bias	2.67	30	
p-Isopropyltoluene	12.1		"	10.0		121	84-121		3.95	30	
sec-Butylbenzene	12.3		"	10.0		123	85-119	High Bias	4.47	30	
Styrene	8.99		"	10.0		89.9	77-126		1.91	30	
tert-Butylbenzene	12.0		"	10.0		120	83-119	High Bias	4.69	30	
Tetrachloroethylene	10.8		"	10.0		108	75-129		7.55	30	
Toluene	10.8		"	10.0		108	86-113		4.26	30	
trans-1,2-Dichloroethylene	11.6		"	10.0		116	55-148		4.31	30	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	77-120		1.20	30	
Trichloroethylene	11.1		"	10.0		111	85-115		4.34	30	
Trichlorofluoromethane	12.5		"	10.0		125	69-131		5.24	30	
Vinyl Chloride	13.3		"	10.0		133	44-152		5.56	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.86		"	10.0		98.6	81-123				
<i>Surrogate: p-Bromofluorobenzene</i>	9.98		"	10.0		99.8	70-128				
<i>Surrogate: Toluene-d8</i>	9.49		"	10.0		94.9	88-114				



### Volatile Analysis Sample Containers

<b>Lab ID</b>	<b>Client Sample ID</b>	<b>Volatile Sample Container</b>
14F0841-01	WQ061714:1410FRW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14F0841-02	WQ061714:1415FRW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14F0841-03	WQ061714:1420FRW3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14F0841-04	WQ061714:1425FRW4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Notes and Definitions

- 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.
- B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

- 
- \* 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.

# YORK

ANALYTICAL LABORATORIES, INC.

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

## Field Chain-of-Custody Record

Page 1 of 1

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

York Project No. 14F0841

<b>YOUR Information</b>		<b>Report To:</b>		<b>Invoice To:</b>		<b>YOUR Project ID</b>		<b>Turn-Around Time</b>		<b>Report Type</b>	
Company: <u>LB6</u>		Company: <u>Same</u>		Company: <u>Same</u>		Rowe Industries.		RUSH - Same Day <input type="checkbox"/>		Summary Report <u>X</u> , pdf	
Address: <u>4 Research Dr Suite 301</u>		Address:		Address:		Purchase Order No.		RUSH - Next Day <input type="checkbox"/>		Summary w/ QA Summary <u>X</u> , pdf	
Address: <u>Shelton, CT 06484</u>		Address:		Address:		<u>HABSAG</u>		RUSH - Two Day <input type="checkbox"/>		CT RCP Package	
Phone No. <u>203-829-8555</u>		Phone No.:		Phone No.:		Samples from: CT <input type="checkbox"/> NY <input checked="" type="checkbox"/> NJ <input type="checkbox"/>		RUSH - Three Day <input type="checkbox"/>		CTRCP DQA/DUE Pkg	
Contact Person: <u>Tunde Sandor</u>		Attention:		Attention:		Standard(5-7 Days) <input checked="" type="checkbox"/>		RUSH - Four Day <input type="checkbox"/>		NY ASP A Package	
E-Mail Address: <u>TSandor@LB6CT.com</u>		E-Mail Address:		E-Mail Address:						NY ASP B Package <u>X</u> , pdf	

**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/Authorized By (Signature)

STEPHEN HNAI  
Name (printed)

Volatiles	Semi-Vols.	Pest/CR/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri. Poll	Conductivity
624 Site Spec.	STARS List	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL MetADN	Ignitability
BTEX Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360 Routine	Heterotrophs
TAGM list TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360 Baseline	TOX
CT RCP list 524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360 Chemical	BTU/In
Arom. only 502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360 Metals	Aquatic Tox.
Halog. only NJDEP list	App. IX	Chlordane	Inhib. Metals	Air TICs	NYCDEP State	TOC
App. IX list SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSEDC State	Asbestos
8021B list	SPLP or TCLP	608 PCB	Helium	Helium	TAGM	Silica

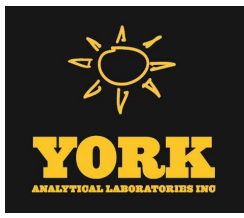
Simple Excel <u>X</u>
NYSDEC EQUS
EQUS (std)
EZ-EDD (EQUS)
NJDEP SRP HazSite EDD
GIS/KEY (std)
Other
York Regulatory Comparison
Excel Spreadsheet
Compare to the following Regs. (please fill in)

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
<u>NQ061714:1410FRW1</u>	<u>6/17/14 1410</u>	<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260b) plus from 113</u>	<u>3v</u>
<u>NQ061714:1415FRW2</u>	<u>1415</u>			<u>3v</u>
<u>NQ061714:1420FRW3</u>	<u>1420</u>			<u>3v</u>
<u>NQ061714:1425FRW4</u>	<u>1425</u>			<u>3v</u>

Comments	Preservation	4°C <input type="checkbox"/> Frozen <input type="checkbox"/> HCl <input type="checkbox"/> MeOH <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/>	Temperature on Receipt <u>3.8 °C</u>
	Check those Applicable	ZnAc <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other <input type="checkbox"/>	
	Special Instructions		
Field Filtered <input type="checkbox"/>	Samples Relinquished By <u>MS</u> Date/Time <u>6-18 1630</u>	Samples Received By <u>TC</u> Date/Time <u>6/18/14 1700</u>	
Lab to Filter <input type="checkbox"/>	Samples Relinquished By _____ Date/Time _____	Samples Received in L.A.B. by _____ Date/Time _____	

**APPENDIX III**

**JUNE 2014 LABORATORY ANALYTICAL REPORTS  
FOR AIR SAMPLES**



# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 06/26/2014

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 14F0801

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 06/26/2014  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 14F0801

**Leggette Brashears & Graham Shelton Office**  
4 Research Drive, Suite 301  
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 June 19, 2014 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 Notes 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 attachment to 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>
14F0801-01	AQ061714:1500NP4-1	Vapor Extraction	06/17/2014	06/19/2014
14F0801-02	AQ061714:1505NP4-2	Vapor Extraction	06/17/2014	06/19/2014
14F0801-03	AQ061714:1510NP4-3	Vapor Extraction	06/17/2014	06/19/2014

## General Notes for York Project (SDG) No.: 14F0801

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

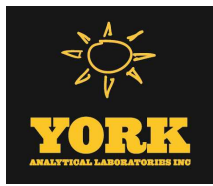
Approved By:



Benjamin Gulizia  
Laboratory Director

Date: 06/26/2014





### Sample Information

**Client Sample ID:** AQ061714:1500NP4-1

**York Sample ID:** 14F0801-01

<u>York (SDG) No.</u> 14F0801	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Vapor Extraction	<u>Collection Date/Time</u> June 17, 2014 3:00 pm	<u>Date Received</u> 06/19/2014
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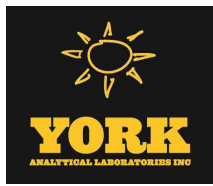
**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.22	0.22	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.60	0.60	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.23	0.23	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.78	0.78	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.68	0.68	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
108-88-3	Toluene	ND		ug/m <sup>3</sup>	0.64	0.64	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
109-99-9	<b>* Tetrahydrofuran</b>	<b>1.5</b>		ug/m <sup>3</sup>	0.50	0.50	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
127-18-4	<b>Tetrachloroethylene</b>	<b>0.70</b>		ug/m <sup>3</sup>	0.29	0.29	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.73	0.73	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.29	0.29	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m <sup>3</sup>	0.84	0.84	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m <sup>3</sup>	1.5	1.5	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	0.74	0.74	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
110-54-3	n-Hexane	ND		ug/m <sup>3</sup>	0.60	0.60	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.70	0.70	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
75-09-2	<b>Methylene chloride</b>	<b>1.2</b>		ug/m <sup>3</sup>	1.2	1.2	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.61	0.61	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.70	0.70	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
67-63-0	<b>Isopropanol</b>	<b>29</b>		ug/m <sup>3</sup>	0.84	0.84	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.8	1.8	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	0.74	0.74	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	1.2	1.2	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.59	0.59	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.78	0.78	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.68	0.68	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.35	0.35	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.83	0.83	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.45	0.45	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
56-23-5	<b>Carbon tetrachloride</b>	<b>0.54</b>		ug/m <sup>3</sup>	0.27	0.27	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.53	0.53	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.66	0.66	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.8	1.8	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.1	1.1	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.88	0.88	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
71-43-2	Benzene	ND		ug/m <sup>3</sup>	0.55	0.55	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD



### Sample Information

**Client Sample ID:** AQ061714:1500NP4-1

**York Sample ID:** 14F0801-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0801

Rowe Industries

Vapor Extraction

June 17, 2014 3:00 pm

06/19/2014

### Volatile Organics, EPA TO15 Full List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	7.8		ug/m <sup>3</sup>	0.41	0.41	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.4	1.4	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
78-93-3	2-Butanone	1.9		ug/m <sup>3</sup>	0.50	0.50	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.62	0.62	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.0	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.0	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.74	0.74	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.84	0.84	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.79	0.79	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.69	0.69	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.0	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.84	0.84	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.3	1.3	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.68	0.68	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.69	0.69	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.5		ug/m <sup>3</sup>	0.96	0.96	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.93	0.93	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.3	1.3	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.93	0.93	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
75-71-8	Dichlorodifluoromethane	2.0		ug/m <sup>3</sup>	0.84	0.84	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.3	1.3	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.4	1.4	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.70	0.70	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.79	0.79	1.708	EPA TO-15	06/25/2014 10:36	06/25/2014 19:29	ALD

### Sample Information

**Client Sample ID:** AQ061714:1505NP4-2

**York Sample ID:** 14F0801-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0801

Rowe Industries

Vapor Extraction

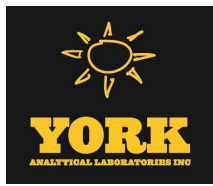
June 17, 2014 3:05 pm

06/19/2014

### Volatile Organics, EPA TO15 Full List

### Log-in Notes:

### Sample Notes:



### Sample Information

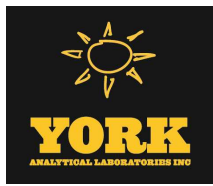
**Client Sample ID:** AQ061714:1505NP4-2

**York Sample ID:** 14F0801-02

<u>York Project (SDG) No.</u> 14F0801	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Vapor Extraction	<u>Collection Date/Time</u> June 17, 2014 3:05 pm	<u>Date Received</u> 06/19/2014
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Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.24	0.24	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.67	0.67	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
79-01-6	<b>Trichloroethylene</b>	<b>0.82</b>		ug/m <sup>3</sup>	0.26	0.26	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.86	0.86	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.75	0.75	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
108-88-3	Toluene	ND		ug/m <sup>3</sup>	0.72	0.72	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.56	0.56	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
127-18-4	<b>Tetrachloroethylene</b>	<b>17</b>		ug/m <sup>3</sup>	0.32	0.32	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.81	0.81	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.33	0.33	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m <sup>3</sup>	0.94	0.94	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m <sup>3</sup>	1.7	1.7	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	0.83	0.83	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
110-54-3	n-Hexane	ND		ug/m <sup>3</sup>	0.67	0.67	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.78	0.78	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	1.3	1.3	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.68	0.68	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.78	0.78	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
67-63-0	Isopropanol	ND		ug/m <sup>3</sup>	0.94	0.94	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	2.0	2.0	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	0.83	0.83	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	1.4	1.4	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.65	0.65	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.86	0.86	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>2.9</b>		ug/m <sup>3</sup>	0.75	0.75	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.39	0.39	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
67-66-3	<b>Chloroform</b>	<b>1.2</b>		ug/m <sup>3</sup>	0.93	0.93	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.50	0.50	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
56-23-5	<b>Carbon tetrachloride</b>	<b>0.60</b>		ug/m <sup>3</sup>	0.30	0.30	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.59	0.59	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.74	0.74	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	2.0	2.0	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.98	0.98	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
71-43-2	Benzene	ND		ug/m <sup>3</sup>	0.61	0.61	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
67-64-1	<b>Acetone</b>	<b>5.1</b>		ug/m <sup>3</sup>	0.45	0.45	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.6	1.6	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
78-93-3	<b>2-Butanone</b>	<b>0.73</b>		ug/m <sup>3</sup>	0.56	0.56	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD



### Sample Information

**Client Sample ID:** AQ061714:1505NP4-2

**York Sample ID:** 14F0801-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0801

Rowe Industries

Vapor Extraction

June 17, 2014 3:05 pm

06/19/2014

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.69	0.69	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.82	0.82	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.94	0.94	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.3	1.3	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.88	0.88	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.77	0.77	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.94	0.94	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.4	1.4	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.75	0.75	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.77	0.77	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>1.3</b>		ug/m <sup>3</sup>	1.1	1.1	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	1.0	1.0	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.5	1.5	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.3	1.3	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>4.8</b>		ug/m <sup>3</sup>	1.0	1.0	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.3</b>		ug/m <sup>3</sup>	0.94	0.94	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.5	1.5	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.5	1.5	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.78	0.78	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.88	0.88	1.902	EPA TO-15	06/25/2014 10:36	06/25/2014 20:26	ALD
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	89.9 %			72-118						

### Sample Information

**Client Sample ID:** AQ061714:1510NP4-3

**York Sample ID:** 14F0801-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0801

Rowe Industries

Vapor Extraction

June 17, 2014 3:10 pm

06/19/2014

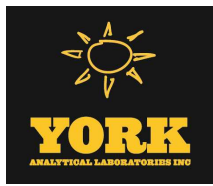
**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

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

**Client Sample ID:** AQ061714:1510NP4-3

**York Sample ID:** 14F0801-03

York Project (SDG) No.

14F0801

Client Project ID

Rowe Industries

Matrix

Vapor Extraction

Collection Date/Time

June 17, 2014 3:10 pm

Date Received

06/19/2014

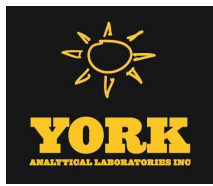
**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.23	0.23	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.63	0.63	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
79-01-6	<b>Trichloroethylene</b>	<b>9.0</b>		ug/m <sup>3</sup>	0.24	0.24	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.82	0.82	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.71	0.71	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
108-88-3	Toluene	ND		ug/m <sup>3</sup>	0.68	0.68	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.53	0.53	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
127-18-4	<b>Tetrachloroethylene</b>	<b>32</b>		ug/m <sup>3</sup>	0.31	0.31	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.77	0.77	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.31	0.31	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m <sup>3</sup>	0.88	0.88	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m <sup>3</sup>	1.6	1.6	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	0.78	0.78	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
110-54-3	n-Hexane	ND		ug/m <sup>3</sup>	0.63	0.63	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.74	0.74	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
75-09-2	<b>Methylene chloride</b>	<b>1.6</b>		ug/m <sup>3</sup>	1.3	1.3	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.65	0.65	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.74	0.74	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
67-63-0	Isopropanol	ND		ug/m <sup>3</sup>	0.88	0.88	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.9	1.9	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	0.78	0.78	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	1.3	1.3	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.62	0.62	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.82	0.82	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>2.1</b>		ug/m <sup>3</sup>	0.71	0.71	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.37	0.37	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
67-66-3	<b>Chloroform</b>	<b>2.3</b>		ug/m <sup>3</sup>	0.88	0.88	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.47	0.47	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
56-23-5	<b>Carbon tetrachloride</b>	<b>0.91</b>		ug/m <sup>3</sup>	0.28	0.28	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.56	0.56	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.70	0.70	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.9	1.9	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.1	1.1	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.93	0.93	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
71-43-2	Benzene	ND		ug/m <sup>3</sup>	0.58	0.58	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
67-64-1	<b>Acetone</b>	<b>3.9</b>		ug/m <sup>3</sup>	0.43	0.43	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD



### Sample Information

**Client Sample ID:** AQ061714:1510NP4-3

**York Sample ID:** 14F0801-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0801

Rowe Industries

Vapor Extraction

June 17, 2014 3:10 pm

06/19/2014

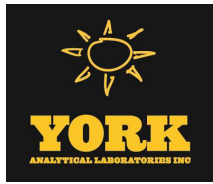
**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.5	1.5	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
78-93-3	<b>2-Butanone</b>	<b>0.85</b>		ug/m <sup>3</sup>	0.53	0.53	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.65	0.65	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.78	0.78	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.88	0.88	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.3	1.3	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.83	0.83	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.73	0.73	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.88	0.88	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.3	1.3	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.71	0.71	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
75-34-3	<b>1,1-Dichloroethane</b>	<b>1.7</b>		ug/m <sup>3</sup>	0.73	0.73	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>1.3</b>		ug/m <sup>3</sup>	1.0	1.0	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.98	0.98	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.4	1.4	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>12</b>		ug/m <sup>3</sup>	0.98	0.98	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.1</b>		ug/m <sup>3</sup>	0.89	0.89	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.4	1.4	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.4	1.4	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.74	0.74	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.83	0.83	1.8	EPA TO-15	06/25/2014 10:36	06/25/2014 21:22	ALD
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	89.9 %	72-118								



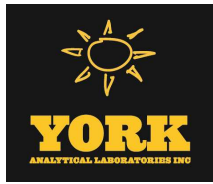
## Analytical Batch Summary

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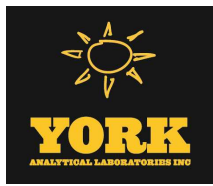
**Preparation Method:** EPA TO15 PREP

**Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14F0801-01	AQ061714:1500NP4-1	06/25/14
14F0801-02	AQ061714:1505NP4-2	06/25/14
14F0801-03	AQ061714:1510NP4-3	06/25/14



Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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## Notes and Definitions

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*	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.

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# YORK

ANALYTICAL LABORATORIES, INC.

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

## 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. 14F0801

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: <u>LBG</u>	Company: <u>Same</u>	Company: <u>Same</u>	<u>Rowe Industries</u>	RUSH - Same Day <input type="checkbox"/>	Summary Report <u>X, pdf</u>
Address: <u>4 Research Dr, Suite 301</u> <u>Shelton, CT 06484</u>	Address: <u>↓</u>	Address: <u>↓</u>		Purchase Order No. <u>HABSAG</u>	RUSH - Next Day <input type="checkbox"/>
Phone No. <u>203-929-8555</u>	Phone No. <u>↓</u>	Phone No. <u>↓</u>	Samples from: CT <input type="checkbox"/> NY <input checked="" type="checkbox"/> NJ <input type="checkbox"/>	RUSH - Two Day <input type="checkbox"/>	CT RCP Package <u>      </u>
Contact Person: <u>Tunde Sandor</u>	Attention: <u>↓</u>	Attention: <u>↓</u>		RUSH - Three Day <input type="checkbox"/>	NY ASP A Package <u>      </u>
E-Mail Address: <u>TSandor@LBGCT.com</u>	E-Mail Address: <u>↓</u>	E-Mail Address: <u>↓</u>		RUSH - Four Day <input type="checkbox"/>	NY ASP B/CLP Pkg <u>X, pdf</u>
				Standard (5-7 Days) <input checked="" type="checkbox"/>	NJDEP Reduced <u>      </u>
					<i>Electronic Deliverables:</i>
					EDD (Specify Type) <u>      </u>
					Standard Excel <u>X</u>
					Regulatory Comparison Excel <u>      </u>

*Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.*

TO15 Volatiles and Other Gas Analyses	
EPA TO-15 List	EPA TO-14A List
NYSDEC VI list	Tentatively Identified Compounds
NYSDEC STARS List	Air VPH
Project Specific List by TO-15	Helium
NJDEP Target List	Methane
CTDEP RCP Target List	OTHER

Detection Limits Required
≤ 1 ug/m <sup>3</sup>
NYSDEC VI Limits
<small>(VI - vapor instructions)</small>
NJDEP low level
Routine Survey
Other

Special Instructions

Samples Collected/Authorized By (Signature)  
  
STEPHEN HNAT  
 Name (printed)

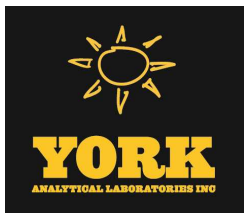
Air Matrix Codes:  
 AI- INDOOR Ambient Air  
 AO- OUTDOOR Amb. Air  
 AE- Vapor Extraction Well/  
     Process Gas/Effluent  
 AS- SOIL Vapor/Sub-Slab

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
AQ061714: 1500 NP4-1	6/17/17 1500	AE			EPA TO-15 List.	6 Liter Summa canister <input checked="" type="checkbox"/> Tedlar Bag <input checked="" type="checkbox"/>
AQ061714: 1505 NP4-2	↓ 1505	AE			↓ ↓	6 Liter Summa canister <input checked="" type="checkbox"/> Tedlar Bag <input checked="" type="checkbox"/>
AQ061714: 1510 NP4-3	↓ 1510	AE			↓ ↓	6 Liter Summa canister <input checked="" type="checkbox"/> Tedlar Bag <input checked="" type="checkbox"/>
						6 Liter Summa canister <input type="checkbox"/> Tedlar Bag <input type="checkbox"/>
						6 Liter Summa canister <input type="checkbox"/> Tedlar Bag <input type="checkbox"/>
						6 Liter Summa canister <input type="checkbox"/> Tedlar Bag <input type="checkbox"/>
						6 Liter Summa canister <input type="checkbox"/> Tedlar Bag <input type="checkbox"/>
						6 Liter Summa canister <input type="checkbox"/> Tedlar Bag <input type="checkbox"/>
						6 Liter Summa canister <input type="checkbox"/> Tedlar Bag <input type="checkbox"/>
						6 Liter Summa canister <input type="checkbox"/> Tedlar Bag <input type="checkbox"/>

Comments	Samples Relinquished By	Date/Time	Samples Received By	Date/Time
			<u>Chic</u>	<u>6-19-14 13:20</u>
			<u>Grace</u>	<u>6-19-14 1540</u>
			Samples Received in LAB by	Date/Time

**APPENDIX IV**

**JUNE 2014 LABORATORY ANALYTICAL REPORTS FOR MONITOR WELLS**



# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 06/24/2014

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 14F0839

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 06/24/2014  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 14F0839

**Leggette Brashears & Graham Shelton Office**  
4 Research Drive, Suite 301  
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 June 18, 2014 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 Notes 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 attachment to 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>
14F0839-01	MW-43A	Water	06/17/2014	06/18/2014
14F0839-02	MW-43B	Water	06/17/2014	06/18/2014
14F0839-03	MW-43C	Water	06/17/2014	06/18/2014
14F0839-04	MW-53	Water	06/17/2014	06/18/2014
14F0839-05	MW-54	Water	06/17/2014	06/18/2014
14F0839-06	MW-B	Water	06/17/2014	06/18/2014

## **General Notes for York Project (SDG) No.: 14F0839**

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

**Approved By:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 06/24/2014





### Sample Information

**Client Sample ID:** MW-43A

**York Sample ID:** 14F0839-01

York Project (SDG) No.  
14F0839

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
June 17, 2014 10:17 am

Date Received  
06/18/2014

**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	06/23/2014 15:52	06/23/2014 22:35	SS
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>0.72</b>		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
75-34-3	<b>1,1-Dichloroethane</b>	<b>0.57</b>		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS



### Sample Information

**Client Sample ID:** MW-43A

**York Sample ID:** 14F0839-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0839

Rowe Industries

Water

June 17, 2014 10:17 am

06/18/2014

**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
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>0.47</b>	J	ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/23/2014 15:52	06/23/2014 22:35	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %			81-123						
460-00-4	Surrogate: p-Bromofluorobenzene	100 %			70-128						
2037-26-5	Surrogate: Toluene-d8	102 %			88-114						



## Sample Information

**Client Sample ID:** MW-43B

**York Sample ID:** 14F0839-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0839

Rowe Industries

Water

June 17, 2014 9:50 am

06/18/2014

**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	06/23/2014 15:52	06/23/2014 23:07	SS
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>0.58</b>		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
75-34-3	<b>1,1-Dichloroethane</b>	<b>0.39</b>	J	ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS



### Sample Information

**Client Sample ID:** MW-43B

**York Sample ID:** 14F0839-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0839

Rowe Industries

Water

June 17, 2014 9:50 am

06/18/2014

**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
67-66-3	Chloroform	0.54		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
127-18-4	Tetrachloroethylene	0.34	J	ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:07	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	70-128								
2037-26-5	Surrogate: Toluene-d8	98.8 %	88-114								



### Sample Information

**Client Sample ID:** MW-43C

**York Sample ID:** 14F0839-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0839

Rowe Industries

Water

June 17, 2014 10:47 am

06/18/2014

**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	06/23/2014 15:52	06/23/2014 23:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
67-64-1	Acetone	1.6	J	ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS



### Sample Information

**Client Sample ID:** MW-43C

**York Sample ID:** 14F0839-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0839

Rowe Industries

Water

June 17, 2014 10:47 am

06/18/2014

**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
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/23/2014 15:52	06/23/2014 23:38	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			81-123						
460-00-4	Surrogate: p-Bromofluorobenzene	100 %			70-128						
2037-26-5	Surrogate: Toluene-d8	103 %			88-114						



## Sample Information

**Client Sample ID:** MW-53

**York Sample ID:** 14F0839-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0839

Rowe Industries

Water

June 17, 2014 12:22 pm

06/18/2014

**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	06/23/2014 15:52	06/24/2014 00:10	SS
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>1.1</b>		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
75-34-3	<b>1,1-Dichloroethane</b>	<b>0.63</b>		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS



### Sample Information

**Client Sample ID:** MW-53

**York Sample ID:** 14F0839-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0839

Rowe Industries

Water

June 17, 2014 12:22 pm

06/18/2014

**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
67-66-3	Chloroform	0.39	J	ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
127-18-4	Tetrachloroethylene	0.42	J	ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:10	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %			81-123						
460-00-4	Surrogate: p-Bromofluorobenzene	102 %			70-128						
2037-26-5	Surrogate: Toluene-d8	103 %			88-114						



### Sample Information

Client Sample ID: MW-54

York Sample ID: 14F0839-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0839

Rowe Industries

Water

June 17, 2014 11:44 am

06/18/2014

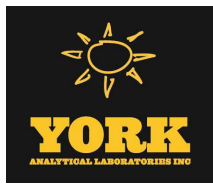
#### Volatile Organics, 8260 List - Low Level

#### 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	06/23/2014 15:52	06/24/2014 00:42	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS



### Sample Information

**Client Sample ID:** MW-54

**York Sample ID:** 14F0839-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0839

Rowe Industries

Water

June 17, 2014 11:44 am

06/18/2014

**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
67-66-3	Chloroform	0.80		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/23/2014 15:52	06/24/2014 00:42	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	99.4 %	70-128								
2037-26-5	Surrogate: Toluene-d8	101 %	88-114								



### Sample Information

**Client Sample ID:** MW-B

**York Sample ID:** 14F0839-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0839

Rowe Industries

Water

June 17, 2014 12:00 pm

06/18/2014

**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	06/23/2014 15:52	06/24/2014 01:14	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS



## Sample Information

**Client Sample ID:** MW-B

**York Sample ID:** 14F0839-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14F0839

Rowe Industries

Water

June 17, 2014 12:00 pm

06/18/2014

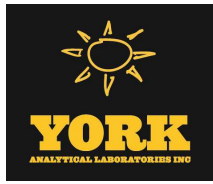
**Volatile Organics, 8260 List - Low Level**

**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
67-66-3	Chloroform	0.76		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/23/2014 15:52	06/24/2014 01:14	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			81-123						
460-00-4	Surrogate: p-Bromofluorobenzene	98.9 %			70-128						
2037-26-5	Surrogate: Toluene-d8	105 %			88-114						



## Analytical Batch Summary

**Batch ID:** BF41088

**Preparation Method:** EPA 5030B

**Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14F0839-01	MW-43A	06/23/14
14F0839-02	MW-43B	06/23/14
14F0839-03	MW-43C	06/23/14
14F0839-04	MW-53	06/23/14
14F0839-05	MW-54	06/23/14
14F0839-06	MW-B	06/23/14
BF41088-BLK1	Blank	06/23/14
BF41088-BS1	LCS	06/23/14
BF41088-BSD1	LCS Dup	06/23/14
BF41088-MS1	Matrix Spike	06/23/14
BF41088-MSD1	Matrix Spike Dup	06/23/14



**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 BF41088 - EPA 5030B**

**Blank (BF41088-BLK1)**

Prepared & Analyzed: 06/23/2014

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.45	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.36	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	0.28	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BF41088 - EPA 5030B**

**Blank (BF41088-BLK1)**

Prepared & Analyzed: 06/23/2014

p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>		<i>81-123</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.94</i>		<i>"</i>	<i>10.0</i>		<i>99.4</i>		<i>70-128</i>			
<i>Surrogate: Toluene-d8</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>		<i>88-114</i>			

**LCS (BF41088-BS1)**

Prepared & Analyzed: 06/23/2014

1,1,1,2-Tetrachloroethane	11.3		ug/L	10.0		113		85-118			
1,1,1-Trichloroethane	11.7		"	10.0		117		74-128			
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108		71-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5		"	10.0		115		51-157			
1,1,2-Trichloroethane	10.8		"	10.0		108		80-122			
1,1-Dichloroethane	11.3		"	10.0		113		70-131			
1,1-Dichloroethylene	12.0		"	10.0		120		60-143			
1,1-Dichloropropylene	11.6		"	10.0		116		78-122			
1,2,3-Trichlorobenzene	11.1		"	10.0		111		68-140			
1,2,3-Trichloropropane	10.4		"	10.0		104		77-125			
1,2,4-Trichlorobenzene	10.9		"	10.0		109		65-143			
1,2,4-Trimethylbenzene	11.6		"	10.0		116		83-121			
1,2-Dibromo-3-chloropropane	8.39		"	10.0		83.9		60-146			
1,2-Dibromoethane	11.2		"	10.0		112		82-122			
1,2-Dichlorobenzene	10.8		"	10.0		108		85-115			
1,2-Dichloroethane	10.9		"	10.0		109		72-126			
1,2-Dichloropropane	11.2		"	10.0		112		78-119			
1,3,5-Trimethylbenzene	11.2		"	10.0		112		84-118			
1,3-Dichlorobenzene	10.9		"	10.0		109		83-117			
1,3-Dichloropropane	11.1		"	10.0		111		79-121			
1,4-Dichlorobenzene	11.0		"	10.0		110		83-118			
2,2-Dichloropropane	9.53		"	10.0		95.3		60-135			
2-Chlorotoluene	11.6		"	10.0		116		81-118			
2-Hexanone	10.5		"	10.0		105		50-151			
4-Chlorotoluene	11.4		"	10.0		114		81-117			
Acetone	8.79		"	10.0		87.9		21-172			
Benzene	11.2		"	10.0		112		82-120			
Bromobenzene	11.3		"	10.0		113		82-119			
Bromochloromethane	10.9		"	10.0		109		69-125			
Bromodichloromethane	11.3		"	10.0		113		84-117			
Bromoform	11.2		"	10.0		112		77-130			
Bromomethane	11.2		"	10.0		112		16-162			
Carbon tetrachloride	11.9		"	10.0		119		72-132			
Chlorobenzene	11.1		"	10.0		111		88-112			



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BF41088 - EPA 5030B**

**LCS (BF41088-BS1)**

Prepared & Analyzed: 06/23/2014

Chloroethane	10.9		ug/L	10.0		109	29-172						
Chloroform	11.1		"	10.0		111	77-124						
Chloromethane	11.5		"	10.0		115	37-131						
cis-1,2-Dichloroethylene	11.0		"	10.0		110	77-124						
cis-1,3-Dichloropropylene	11.0		"	10.0		110	81-117						
Dibromochloromethane	11.5		"	10.0		115	72-131						
Dibromomethane	10.8		"	10.0		108	85-116						
Dichlorodifluoromethane	11.7		"	10.0		117	47-152						
Ethyl Benzene	11.9		"	10.0		119	86-114		High Bias				
Hexachlorobutadiene	11.3		"	10.0		113	68-139						
Isopropylbenzene	12.3		"	10.0		123	84-118		High Bias				
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	49-156						
Methylene chloride	9.60		"	10.0		96.0	51-145						
Naphthalene	11.4		"	10.0		114	67-141						
n-Butylbenzene	11.4		"	10.0		114	76-125						
n-Propylbenzene	11.7		"	10.0		117	84-118						
o-Xylene	11.7		"	10.0		117	85-114		High Bias				
p- & m- Xylenes	23.8		"	20.0		119	84-117		High Bias				
p-Isopropyltoluene	11.9		"	10.0		119	84-121						
sec-Butylbenzene	12.2		"	10.0		122	85-119		High Bias				
Styrene	8.92		"	10.0		89.2	77-126						
tert-Butylbenzene	12.0		"	10.0		120	83-119		High Bias				
Tetrachloroethylene	11.9		"	10.0		119	75-129						
Toluene	11.6		"	10.0		116	86-113		High Bias				
trans-1,2-Dichloroethylene	11.5		"	10.0		115	55-148						
trans-1,3-Dichloropropylene	11.0		"	10.0		110	77-120						
Trichloroethylene	11.3		"	10.0		113	85-115						
Trichlorofluoromethane	11.6		"	10.0		116	69-131						
Vinyl Chloride	12.0		"	10.0		120	44-152						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.76</i>		<i>"</i>	<i>10.0</i>		<i>97.6</i>	<i>81-123</i>						
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.97</i>		<i>"</i>	<i>10.0</i>		<i>99.7</i>	<i>70-128</i>						
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>88-114</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
<b>Batch BF41088 - EPA 5030B</b>											
<b>LCS Dup (BF41088-BSD1)</b>											
Prepared & Analyzed: 06/23/2014											
1,1,1,2-Tetrachloroethane	11.4		ug/L	10.0		114	85-118		0.878	30	
1,1,1-Trichloroethane	12.0		"	10.0		120	74-128		2.20	30	
1,1,2,2-Tetrachloroethane	11.3		"	10.0		113	71-130		4.62	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7		"	10.0		117	51-157		1.21	30	
1,1,2-Trichloroethane	10.9		"	10.0		109	80-122		1.20	30	
1,1-Dichloroethane	11.4		"	10.0		114	70-131		1.15	30	
1,1-Dichloroethylene	12.1		"	10.0		121	60-143		0.580	30	
1,1-Dichloropropylene	12.0		"	10.0		120	78-122		3.56	30	
1,2,3-Trichlorobenzene	11.1		"	10.0		111	68-140		0.180	30	
1,2,3-Trichloropropane	10.4		"	10.0		104	77-125		0.865	30	
1,2,4-Trichlorobenzene	10.9		"	10.0		109	65-143		0.00	30	
1,2,4-Trimethylbenzene	11.5		"	10.0		115	83-121		1.04	30	
1,2-Dibromo-3-chloropropane	9.91		"	10.0		99.1	60-146		16.6	30	
1,2-Dibromoethane	11.2		"	10.0		112	82-122		0.00	30	
1,2-Dichlorobenzene	10.9		"	10.0		109	85-115		1.01	30	
1,2-Dichloroethane	11.5		"	10.0		115	72-126		5.38	30	
1,2-Dichloropropane	11.0		"	10.0		110	78-119		1.08	30	
1,3,5-Trimethylbenzene	11.1		"	10.0		111	84-118		1.43	30	
1,3-Dichlorobenzene	10.9		"	10.0		109	83-117		0.0915	30	
1,3-Dichloropropane	11.4		"	10.0		114	79-121		2.22	30	
1,4-Dichlorobenzene	10.8		"	10.0		108	83-118		1.47	30	
2,2-Dichloropropane	9.65		"	10.0		96.5	60-135		1.25	30	
2-Chlorotoluene	11.5		"	10.0		115	81-118		1.30	30	
2-Hexanone	12.2		"	10.0		122	50-151		15.3	30	
4-Chlorotoluene	11.3		"	10.0		113	81-117		0.352	30	
Acetone	9.67		"	10.0		96.7	21-172		9.53	30	
Benzene	11.5		"	10.0		115	82-120		2.55	30	
Bromobenzene	11.3		"	10.0		113	82-119		0.177	30	
Bromochloromethane	11.6		"	10.0		116	69-125		5.78	30	
Bromodichloromethane	11.5		"	10.0		115	84-117		1.40	30	
Bromoform	11.5		"	10.0		115	77-130		3.18	30	
Bromomethane	11.9		"	10.0		119	16-162		6.06	30	
Carbon tetrachloride	12.4		"	10.0		124	72-132		4.20	30	
Chlorobenzene	11.2		"	10.0		112	88-112		0.990	30	
Chloroethane	10.7		"	10.0		107	29-172		2.23	30	
Chloroform	11.6		"	10.0		116	77-124		4.06	30	
Chloromethane	12.3		"	10.0		123	37-131		6.40	30	
cis-1,2-Dichloroethylene	11.3		"	10.0		113	77-124		3.05	30	
cis-1,3-Dichloropropylene	11.2		"	10.0		112	81-117		2.07	30	
Dibromochloromethane	11.4		"	10.0		114	72-131		1.40	30	
Dibromomethane	11.5		"	10.0		115	85-116		5.82	30	
Dichlorodifluoromethane	11.6		"	10.0		116	47-152		0.172	30	
Ethyl Benzene	11.8		"	10.0		118	86-114	High Bias	0.759	30	
Hexachlorobutadiene	11.0		"	10.0		110	68-139		3.32	30	
Isopropylbenzene	12.0		"	10.0		120	84-118	High Bias	2.14	30	
Methyl tert-butyl ether (MTBE)	12.0		"	10.0		120	49-156		6.44	30	
Methylene chloride	10.0		"	10.0		100	51-145		4.18	30	
Naphthalene	11.6		"	10.0		116	67-141		2.08	30	
n-Butylbenzene	11.2		"	10.0		112	76-125		1.42	30	
n-Propylbenzene	11.6		"	10.0		116	84-118		1.29	30	
o-Xylene	11.8		"	10.0		118	85-114	High Bias	0.848	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 BF41088 - EPA 5030B

LCS Dup (BF41088-BSD1)

Prepared & Analyzed: 06/23/2014

p- & m- Xylenes	23.6		ug/L	20.0		118	84-117	High Bias	0.801	30	
p-Isopropyltoluene	11.7		"	10.0		117	84-121		1.70	30	
sec-Butylbenzene	12.0		"	10.0		120	85-119	High Bias	1.32	30	
Styrene	8.97		"	10.0		89.7	77-126		0.559	30	
tert-Butylbenzene	11.9		"	10.0		119	83-119		0.838	30	
Tetrachloroethylene	11.1		"	10.0		111	75-129		7.31	30	
Toluene	11.2		"	10.0		112	86-113		2.99	30	
trans-1,2-Dichloroethylene	11.8		"	10.0		118	55-148		2.49	30	
trans-1,3-Dichloropropylene	11.4		"	10.0		114	77-120		3.59	30	
Trichloroethylene	11.4		"	10.0		114	85-115		1.15	30	
Trichlorofluoromethane	11.9		"	10.0		119	69-131		2.30	30	
Vinyl Chloride	12.2		"	10.0		122	44-152		1.65	30	
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	81-123				
Surrogate: p-Bromofluorobenzene	9.93		"	10.0		99.3	70-128				
Surrogate: Toluene-d8	9.90		"	10.0		99.0	88-114				

Matrix Spike (BF41088-MS1)

\*Source sample: 14F0839-04 (MW-53)

Prepared: 06/23/2014 Analyzed: 06/24/2014

1,1,1,2-Tetrachloroethane	11.5		ug/L	10.0	ND	115	81-121				
1,1,1-Trichloroethane	13.1		"	10.0	1.06	120	71-121				
1,1,2,2-Tetrachloroethane	10.6		"	10.0	ND	106	66-138				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3		"	10.0	ND	123	29-167				
1,1,2-Trichloroethane	11.0		"	10.0	ND	110	74-130				
1,1-Dichloroethane	12.3		"	10.0	0.630	116	66-128				
1,1-Dichloroethylene	12.6		"	10.0	ND	126	32-164				
1,1-Dichloropropylene	12.3		"	10.0	ND	123	69-121	High Bias			
1,2,3-Trichlorobenzene	10.1		"	10.0	ND	101	58-137				
1,2,3-Trichloropropane	9.82		"	10.0	ND	98.2	69-129				
1,2,4-Trichlorobenzene	9.96		"	10.0	ND	99.6	52-138				
1,2,4-Trimethylbenzene	11.3		"	10.0	ND	113	63-131				
1,2-Dibromo-3-chloropropane	8.62		"	10.0	ND	86.2	47-152				
1,2-Dibromoethane	11.0		"	10.0	ND	110	80-123				
1,2-Dichlorobenzene	10.4		"	10.0	ND	104	76-120				
1,2-Dichloroethane	11.0		"	10.0	ND	110	67-124				
1,2-Dichloropropane	11.4		"	10.0	ND	114	72-127				
1,3,5-Trimethylbenzene	11.0		"	10.0	ND	110	74-123				
1,3-Dichlorobenzene	10.6		"	10.0	ND	106	74-119				
1,3-Dichloropropane	11.2		"	10.0	ND	112	73-128				
1,4-Dichlorobenzene	10.5		"	10.0	ND	105	71-122				
2,2-Dichloropropane	8.06		"	10.0	ND	80.6	54-119				
2-Chlorotoluene	11.3		"	10.0	ND	113	65-134				
2-Hexanone	9.92		"	10.0	ND	99.2	42-151				
4-Chlorotoluene	10.9		"	10.0	ND	109	71-120				
Acetone	9.13		"	10.0	0.770	83.6	27-123				
Benzene	11.4		"	10.0	ND	114	68-124				
Bromobenzene	10.6		"	10.0	ND	106	67-132				
Bromochloromethane	11.0		"	10.0	ND	110	60-130				
Bromodichloromethane	11.4		"	10.0	ND	114	78-123				
Bromoform	11.2		"	10.0	ND	112	75-127				
Bromomethane	10.7		"	10.0	ND	107	17-133				
Carbon tetrachloride	12.7		"	10.0	ND	127	73-119	High Bias			
Chlorobenzene	11.3		"	10.0	ND	113	83-115				
Chloroethane	11.2		"	10.0	ND	112	45-134				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	
		Limit			Result				RPD	Limit
<b>Batch BF41088 - EPA 5030B</b>										
<b>Matrix Spike (BF41088-MS1)</b>	*Source sample: 14F0839-04 (MW-53)					Prepared: 06/23/2014 Analyzed: 06/24/2014				
Chloroform	11.7		ug/L	10.0	0.390	113	74-121			
Chloromethane	12.0		"	10.0	ND	120	22-149			
cis-1,2-Dichloroethylene	10.8		"	10.0	ND	108	72-121			
cis-1,3-Dichloropropylene	10.4		"	10.0	ND	104	67-123			
Dibromochloromethane	11.7		"	10.0	ND	117	84-120			
Dibromomethane	10.4		"	10.0	ND	104	80-118			
Dichlorodifluoromethane	12.9		"	10.0	ND	129	38-142			
Ethyl Benzene	12.2		"	10.0	ND	122	76-119	High Bias		
Hexachlorobutadiene	10.9		"	10.0	ND	109	67-131			
Isopropylbenzene	11.9		"	10.0	ND	119	74-125			
Methyl tert-butyl ether (MTBE)	10.8		"	10.0	ND	108	51-138			
Methylene chloride	10.1		"	10.0	ND	101	46-132			
Naphthalene	9.99		"	10.0	ND	99.9	46-141			
n-Butylbenzene	11.3		"	10.0	ND	113	62-133			
n-Propylbenzene	11.6		"	10.0	ND	116	62-131			
o-Xylene	12.0		"	10.0	ND	120	71-123			
p- & m- Xylenes	24.8		"	20.0	ND	124	74-120	High Bias		
p-Isopropyltoluene	11.8		"	10.0	ND	118	74-125			
sec-Butylbenzene	12.0		"	10.0	ND	120	77-123			
Styrene	9.22		"	10.0	ND	92.2	72-121			
tert-Butylbenzene	11.6		"	10.0	ND	116	76-124			
Tetrachloroethylene	12.7		"	10.0	0.420	123	67-120	High Bias		
Toluene	11.8		"	10.0	ND	118	80-119			
trans-1,2-Dichloroethylene	11.8		"	10.0	ND	118	53-137			
trans-1,3-Dichloropropylene	10.1		"	10.0	ND	101	65-124			
Trichloroethylene	11.8		"	10.0	ND	118	81-116	High Bias		
Trichlorofluoromethane	12.3		"	10.0	ND	123	53-132			
Vinyl Chloride	12.2		"	10.0	ND	122	38-135			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-123</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.69</i>		<i>"</i>	<i>10.0</i>		<i>96.9</i>	<i>70-128</i>			
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>88-114</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
<b>Batch BF41088 - EPA 5030B</b>											
<b>Matrix Spike Dup (BF41088-MSD1)</b>	*Source sample: 14F0839-04 (MW-53)						Prepared: 06/23/2014 Analyzed: 06/24/2014				
1,1,1,2-Tetrachloroethane	11.2		ug/L	10.0	ND	112	81-121		2.55	30	
1,1,1-Trichloroethane	13.2		"	10.0	1.06	122	71-121	High Bias	1.29	30	
1,1,2,2-Tetrachloroethane	10.5		"	10.0	ND	105	66-138		0.760	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.8		"	10.0	ND	128	29-167		4.54	30	
1,1,2-Trichloroethane	10.6		"	10.0	ND	106	74-130		2.87	30	
1,1-Dichloroethane	12.2		"	10.0	0.630	115	66-128		0.819	30	
1,1-Dichloroethylene	12.9		"	10.0	ND	129	32-164		2.51	30	
1,1-Dichloropropylene	12.4		"	10.0	ND	124	69-121	High Bias	1.05	30	
1,2,3-Trichlorobenzene	10.3		"	10.0	ND	103	58-137		1.76	30	
1,2,3-Trichloropropane	9.88		"	10.0	ND	98.8	69-129		0.609	30	
1,2,4-Trichlorobenzene	10.3		"	10.0	ND	103	52-138		3.36	30	
1,2,4-Trimethylbenzene	11.6		"	10.0	ND	116	63-131		2.97	30	
1,2-Dibromo-3-chloropropane	8.20		"	10.0	ND	82.0	47-152		4.99	30	
1,2-Dibromoethane	11.0		"	10.0	ND	110	80-123		0.182	30	
1,2-Dichlorobenzene	10.6		"	10.0	ND	106	76-120		1.43	30	
1,2-Dichloroethane	10.8		"	10.0	ND	108	67-124		2.48	30	
1,2-Dichloropropane	11.6		"	10.0	ND	116	72-127		1.47	30	
1,3,5-Trimethylbenzene	11.2		"	10.0	ND	112	74-123		2.16	30	
1,3-Dichlorobenzene	10.7		"	10.0	ND	107	74-119		1.41	30	
1,3-Dichloropropane	11.3		"	10.0	ND	113	73-128		0.356	30	
1,4-Dichlorobenzene	10.7		"	10.0	ND	107	71-122		1.69	30	
2,2-Dichloropropane	8.12		"	10.0	ND	81.2	54-119		0.742	30	
2-Chlorotoluene	11.5		"	10.0	ND	115	65-134		1.41	30	
2-Hexanone	11.5		"	10.0	ND	115	42-151		15.0	30	
4-Chlorotoluene	11.2		"	10.0	ND	112	71-120		2.35	30	
Acetone	9.16		"	10.0	0.770	83.9	27-123		0.328	30	
Benzene	11.4		"	10.0	ND	114	68-124		0.527	30	
Bromobenzene	10.8		"	10.0	ND	108	67-132		1.78	30	
Bromochloromethane	10.9		"	10.0	ND	109	60-130		1.28	30	
Bromodichloromethane	11.6		"	10.0	ND	116	78-123		1.99	30	
Bromoform	11.1		"	10.0	ND	111	75-127		1.26	30	
Bromomethane	12.2		"	10.0	ND	122	17-133		13.6	30	
Carbon tetrachloride	12.8		"	10.0	ND	128	73-119	High Bias	1.02	30	
Chlorobenzene	11.0		"	10.0	ND	110	83-115		2.60	30	
Chloroethane	11.3		"	10.0	ND	113	45-134		1.60	30	
Chloroform	11.8		"	10.0	0.390	114	74-121		1.28	30	
Chloromethane	12.6		"	10.0	ND	126	22-149		5.61	30	
cis-1,2-Dichloroethylene	10.9		"	10.0	ND	109	72-121		1.10	30	
cis-1,3-Dichloropropylene	10.8		"	10.0	ND	108	67-123		3.12	30	
Dibromochloromethane	11.0		"	10.0	ND	110	84-120		6.07	30	
Dibromomethane	10.9		"	10.0	ND	109	80-118		4.32	30	
Dichlorodifluoromethane	12.9		"	10.0	ND	129	38-142		0.00	30	
Ethyl Benzene	12.2		"	10.0	ND	122	76-119	High Bias	0.573	30	
Hexachlorobutadiene	11.2		"	10.0	ND	112	67-131		2.45	30	
Isopropylbenzene	12.1		"	10.0	ND	121	74-125		1.41	30	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0	ND	110	51-138		1.74	30	
Methylene chloride	9.88		"	10.0	ND	98.8	46-132		2.50	30	
Naphthalene	10.4		"	10.0	ND	104	46-141		4.21	30	
n-Butylbenzene	11.6		"	10.0	ND	116	62-133		3.05	30	
n-Propylbenzene	11.8		"	10.0	ND	118	62-131		1.79	30	
o-Xylene	12.1		"	10.0	ND	121	71-123		1.16	30	



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

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

**Batch BF41088 - EPA 5030B**

<b>Matrix Spike Dup (BF41088-MSD1)</b>	<b>*Source sample: 14F0839-04 (MW-53)</b>				<b>Prepared: 06/23/2014 Analyzed: 06/24/2014</b>					
p- & m- Xylenes	24.7		ug/L	20.0	ND	124	74-120	High Bias	0.525	30
p-Isopropyltoluene	12.0		"	10.0	ND	120	74-125		1.85	30
sec-Butylbenzene	12.3		"	10.0	ND	123	77-123		2.46	30
Styrene	9.26		"	10.0	ND	92.6	72-121		0.433	30
tert-Butylbenzene	12.0		"	10.0	ND	120	76-124		3.30	30
Tetrachloroethylene	12.2		"	10.0	0.420	118	67-120		4.25	30
Toluene	11.7		"	10.0	ND	117	80-119		0.682	30
trans-1,2-Dichloroethylene	12.1		"	10.0	ND	121	53-137		2.77	30
trans-1,3-Dichloropropylene	10.6		"	10.0	ND	106	65-124		4.34	30
Trichloroethylene	12.1		"	10.0	ND	121	81-116	High Bias	2.17	30
Trichlorofluoromethane	12.8		"	10.0	ND	128	53-132		3.67	30
Vinyl Chloride	13.2		"	10.0	ND	132	38-135		7.64	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.96</i>		<i>"</i>	<i>10.0</i>		<i>99.6</i>	<i>81-123</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.68</i>		<i>"</i>	<i>10.0</i>		<i>96.8</i>	<i>70-128</i>			
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>88-114</i>			



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14F0839-01	MW-43A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14F0839-02	MW-43B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14F0839-03	MW-43C	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14F0839-04	MW-53	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14F0839-05	MW-54	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14F0839-06	MW-B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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.

- 
- \* 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.

# YORK

ANALYTICAL LABORATORIES, INC.

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

## Field Chain-of-Custody Record

Page 1 of 1

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

York Project No. 14F0839

<b>YOUR Information</b>		<b>Report To:</b>		<b>Invoice To:</b>		<b>YOUR Project ID</b>		<b>Turn-Around Time</b>		<b>Report Type</b>	
Company: <u>LBG</u>		Company: <u>Same</u>		Company: <u>Same</u>		Rowe Industries.		RUSH - Same Day <input type="checkbox"/>		Summary Report <u>X</u> , pdf	
Address: <u>4 Research Dr Suite 301</u>		Address:		Address:		Purchase Order No.		RUSH - Next Day <input type="checkbox"/>		Summary w/ QA Summary <u>X</u> , pdf	
Address: <u>Shelton, CT 06484</u>		Address:		Address:		<u>HABSAC</u>		RUSH - Two Day <input type="checkbox"/>		CT RCP Package	
Phone No. <u>203-929-8555</u>		Phone No.:		Phone No.:				RUSH - Three Day <input type="checkbox"/>		CTRCP DQA/DUE Pkg	
Contact Person: <u>Tunde Sandor</u>		Attention:		Attention:				RUSH - Four Day <input type="checkbox"/>		NY ASP A Package	
E-Mail Address: <u>TSandor@LBGCT.com</u>		E-Mail Address:		E-Mail Address:		Samples from: CT <input type="checkbox"/> NY <u>X</u> NJ <input type="checkbox"/>		Standard(5-7 Days) <input checked="" type="checkbox"/>		NY ASP B Package <u>X</u> , pdf	
										NIDEP Red. Deliv.	

*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/Authorized By (Signature)  
Colton Colwell  
Name (printed)

Volatiles	Semi-Vols	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.	
8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list	TICs Site Spec. Nassau Co. Suffolk Co. Ketones Oxygenates TCLP list 524.2 302.2 NJDEP list NJDEP list SPLP/TCLP	8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCLP list NJDEP list App. IX TCLP BNA SPLP/TCLP	8082PCB 8081Pest 8151Herb CT RCP App. IX Site Spec. SPLP/TCLP Total Dissolved SPLP/TCLP Chlordane 608 Pest 608 PCB	RCRA8 PP13 list TAL CT15 list TAGM list NJDEP list Total Air TO15 Air STARS Air VPH Air TICs LIST Below Methane Helium	TPH GRO TPH DRO CT ETPH NY 310-15 TPH 1664 Air TO14A Air STARS Air VPH Air TICs Methane Helium	Pri. Poll. TCL Organics TAL MetCN Full TCLP Full App. IX Part 360-Routine Part 360-Residue Part 360-Residue Part 360-Residue NYCDEP Sewer NYCDEP Sewer TAGM	Conosivity Reactivity Ignitability Flash Point Sieve Anal. Heteroocypis TOX BTU/Eh Aquatic Tox TOC Asbestos Silica

Simple Excel X

NYSDEC EQulS \_\_\_\_\_

EQulS (std) \_\_\_\_\_

EZ-EDD (EQulS) \_\_\_\_\_

NIDEP SRP HazSite EDD \_\_\_\_\_

GIS/KEY (std) \_\_\_\_\_

Other \_\_\_\_\_

York Regulatory Comparison \_\_\_\_\_

Excel Spreadsheet \_\_\_\_\_

Compare to the following Regs. (please fill in)

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW-43A	6/17/14 1017	GW	VOC 8260 full list (EPA SW846-8260B) plus from 113	3 vials
MW-43B	900			↓
MW-43C	1047			9 vials
MW-53	1222			3 vials
MW-54	1144			↓
MW-B	1200			

Comments	Preservation Check those Applicable Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>	4°C _____ Frozen _____ HCl _____ MeOH _____ HNO <sub>3</sub> _____ H <sub>2</sub> O _____ NaOH _____ ZnAc _____ Ascorbic Acid _____ Other _____	Temperature on Receipt  3.8 °C
	Samples Relinquished By _____ Date/Time _____	Samples Received By _____ Date/Time _____ <u>TC Mahler</u> 6/18/14 1700	
	Samples Relinquished By _____ Date/Time _____	Samples Received in LAB by _____ Date/Time _____	