

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	---	---
5-Feb-15	6.9	139	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	1.00	0.098
17-Feb-15	6.8	171	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	1.24	0.086

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

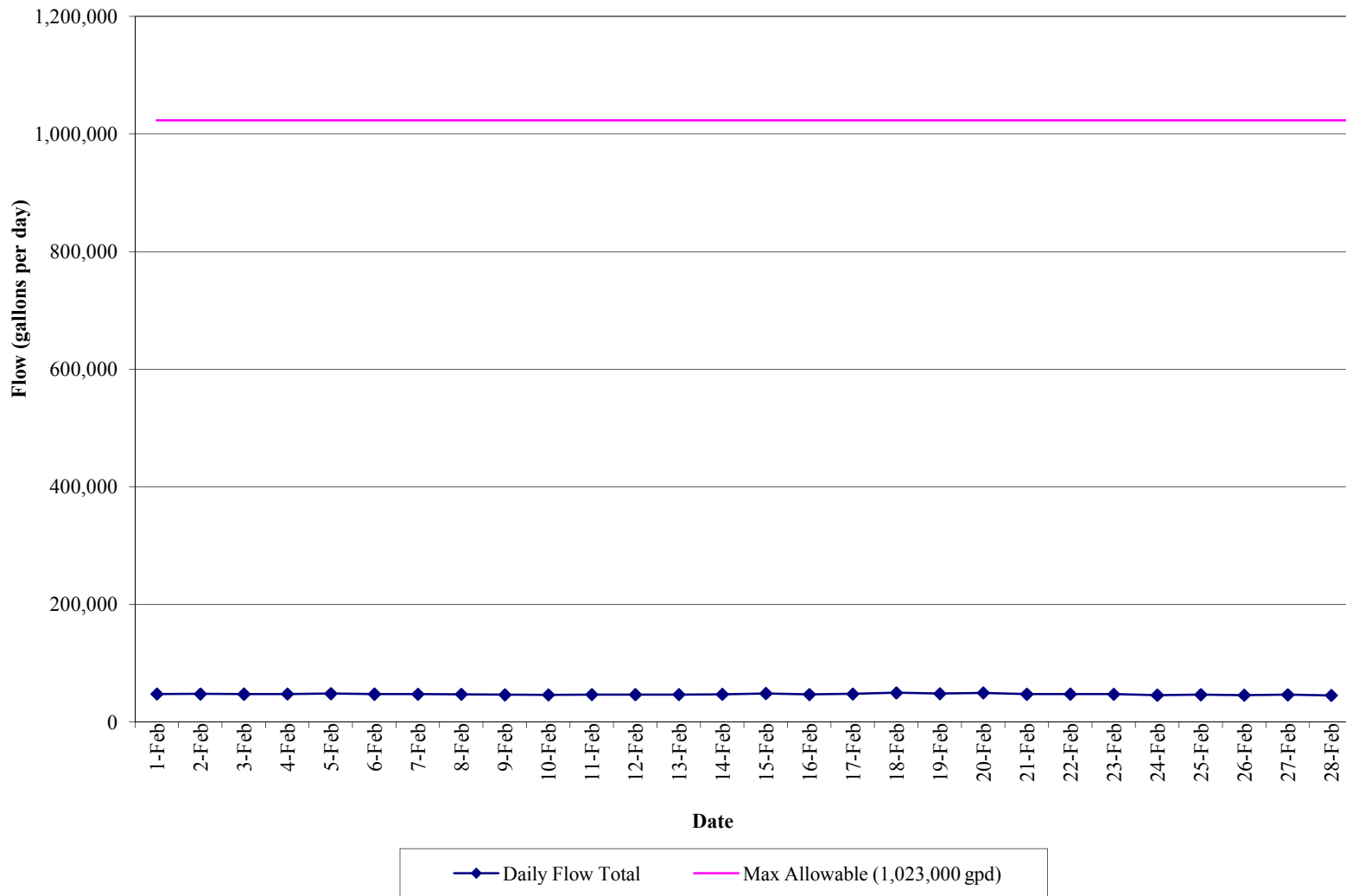
Notes:

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.

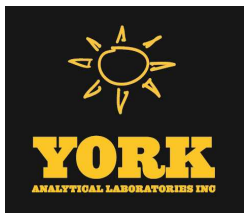
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.

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

**Effluent Flow Data  
(February 1, 2015 to February 28, 2015)**



**APPENDIX I**  
**FEBRUARY 2015 LABORATORY ANALYTICAL REPORTS**  
**FOR FSP&T SYSTEM**



# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 204

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 02/13/2015

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 15B0145

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 02/13/2015  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 15B0145

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

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 06, 2015 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>
15B0145-01	WQ020515: 1200NP2-6	Water	02/05/2015	02/06/2015
15B0145-02	WQ020515: 1205NP2-7	Water	02/05/2015	02/06/2015
15B0147-01	WQ020515: 1210NP2-10	Water	02/05/2015	02/06/2015

## General Notes for York Project (SDG) No.: 15B0145

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.

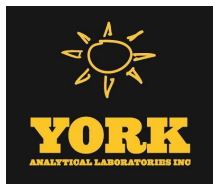
Approved By:



Benjamin Gulizia  
Laboratory Director

Date: 02/13/2015





### Sample Information

**Client Sample ID:** WQ020515: 1200NP2-6

**York Sample ID:** 15B0145-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
15B0145	Rowe Industries	Water	February 5, 2015 12:00 pm	02/06/2015

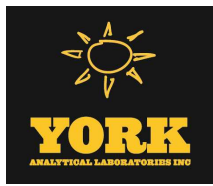
**Volatile Organics, 8260 List - Low Level**

**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	02/12/2015 07:58	02/12/2015 18:20	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
			SCAL- E								
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS



### Sample Information

**Client Sample ID:** WQ020515: 1200NP2-6

**York Sample ID:** 15B0145-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0145

Rowe Industries

Water

February 5, 2015 12:00 pm

02/06/2015

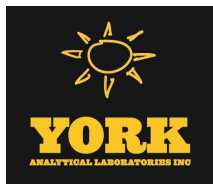
**Volatile Organics, 8260 List - Low Level**

**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
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>1.3</b>		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>7.2</b>		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
79-01-6	<b>Trichloroethylene</b>	<b>0.70</b>		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:20	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %		69-130							
460-00-4	Surrogate: p-Bromofluorobenzene	94.5 %		79-122							
2037-26-5	Surrogate: Toluene-d8	96.0 %		81-117							



Sample Information

Client Sample ID: WQ020515: 1200NP2-6

York Sample ID: 15B0145-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0145

Rowe Industries

Water

February 5, 2015 12:00 pm

02/06/2015

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-89-6 Iron, 1.90, mg/L, 0.0146, 0.0200, 1, EPA 200.7, 02/06/2015 14:10, 02/06/2015 17:31, MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-89-6 Iron, ND, mg/L, 0.0200, 0.0200, 1, EPA 6010C, 02/06/2015 14:07, 02/06/2015 16:05, MW

Sample Information

Client Sample ID: WQ020515: 1205NP2-7

York Sample ID: 15B0145-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0145

Rowe Industries

Water

February 5, 2015 12:05 pm

02/06/2015

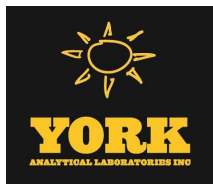
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows listing various organic compounds and their results.



**Sample Information**

**Client Sample ID:** WQ020515: 1205NP2-7

**York Sample ID:** 15B0145-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0145

Rowe Industries

Water

February 5, 2015 12:05 pm

02/06/2015

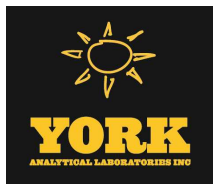
**Volatile Organics, 8260 List - Low Level**

**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
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
			SCAL- E								
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS



**Sample Information**

**Client Sample ID:** WQ020515: 1205NP2-7

**York Sample ID:** 15B0145-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0145

Rowe Industries

Water

February 5, 2015 12:05 pm

02/06/2015

**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
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/12/2015 07:58	02/12/2015 18:50	SS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %	69-130
460-00-4	Surrogate: p-Bromofluorobenzene	90.5 %	79-122
2037-26-5	Surrogate: Toluene-d8	100 %	81-117

**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	Iron	0.981		mg/L	0.0146	0.0200	1	EPA 200.7	02/06/2015 14:10	02/06/2015 17:36	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	0.120		mg/L	0.0200	0.0200	1	EPA 6010C	02/06/2015 14:07	02/06/2015 16:10	MW

**Sample Information**

**Client Sample ID:** WQ020515: 1210NP2-10

**York Sample ID:** 15B0147-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0147

Rowe Industries

Water

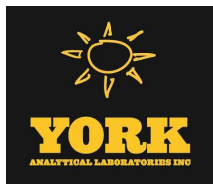
February 5, 2015 12:10 pm

02/06/2015

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

**Log-in Notes:**

**Sample Notes:**



### Sample Information

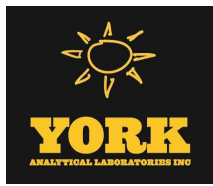
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**York Sample ID:** 15B0147-01

<u>York Project (SDG) No.</u> 15B0147	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 5, 2015 12:10 pm	<u>Date Received</u> 02/06/2015
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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	02/12/2015 07:58	02/12/2015 19:19	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
			SCAL-E								
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS



### Sample Information

**Client Sample ID:** WQ020515: 1210NP2-10

**York Sample ID:** 15B0147-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0147

Rowe Industries

Water

February 5, 2015 12:10 pm

02/06/2015

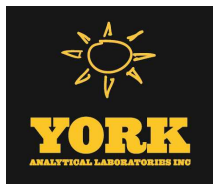
**Volatile Organics, 8260 List - Low Level**

**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	02/12/2015 07:58	02/12/2015 19:19	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/12/2015 07:58	02/12/2015 19:19	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			69-130						
460-00-4	Surrogate: p-Bromofluorobenzene	98.1 %			79-122						
2037-26-5	Surrogate: Toluene-d8	99.2 %			81-117						



**Sample Information**

**Client Sample ID:** WQ020515: 1210NP2-10

**York Sample ID:** 15B0147-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0147

Rowe Industries

Water

February 5, 2015 12:10 pm

02/06/2015

**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	0.999		mg/L	0.0146	0.0200	1	EPA 200.7	02/06/2015 14:10	02/06/2015 17:41	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	0.0979		mg/L	0.0200	0.0200	1	EPA 6010C	02/06/2015 14:07	02/06/2015 16:15	MW

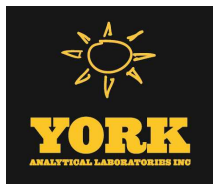
**Total Dissolved Solids**

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	139		mg/L	10.0	10.0	1	SM 2540C	02/10/2015 16:27	02/11/2015 17:44	AA



## Analytical Batch Summary

**Batch ID:** BB50313      **Preparation Method:** EPA 3010A      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
15B0145-01	WQ020515: 1200NP2-6	02/06/15
15B0145-02	WQ020515: 1205NP2-7	02/06/15
15B0147-01	WQ020515: 1210NP2-10	02/06/15
BB50313-BLK1	Blank	02/06/15
BB50313-DUP1	Duplicate	02/06/15
BB50313-MS1	Matrix Spike	02/06/15
BB50313-SRM1	Reference	02/06/15

**Batch ID:** BB50315      **Preparation Method:** EPA 3010A      **Prepared By:** MW

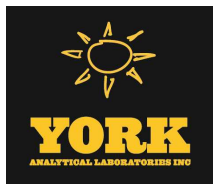
YORK Sample ID	Client Sample ID	Preparation Date
15B0145-01	WQ020515: 1200NP2-6	02/06/15
15B0145-02	WQ020515: 1205NP2-7	02/06/15
15B0147-01	WQ020515: 1210NP2-10	02/06/15
BB50315-BLK1	Blank	02/06/15
BB50315-DUP1	Duplicate	02/06/15
BB50315-MS1	Matrix Spike	02/06/15
BB50315-SRM1	Reference	02/06/15

**Batch ID:** BB50467      **Preparation Method:** % Solids Prep      **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
15B0147-01	WQ020515: 1210NP2-10	02/10/15
BB50467-BLK1	Blank	02/10/15

**Batch ID:** BB50603      **Preparation Method:** EPA 5030B      **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15B0145-01	WQ020515: 1200NP2-6	02/12/15
15B0145-02	WQ020515: 1205NP2-7	02/12/15
15B0147-01	WQ020515: 1210NP2-10	02/12/15
BB50603-BLK1	Blank	02/12/15
BB50603-BS1	LCS	02/12/15
BB50603-BSD1	LCS Dup	02/12/15



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

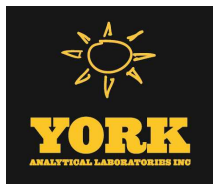
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BB50603 - EPA 5030B**

**Blank (BB50603-BLK1)**

Prepared & Analyzed: 02/12/2015

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	0.69	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.48	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	1.1	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	"								
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	0.24	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 BB50603 - EPA 5030B**

**Blank (BB50603-BLK1)**

Prepared & Analyzed: 02/12/2015

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*

10.9 " 10.0 109 69-130

*Surrogate: p-Bromofluorobenzene*

9.82 " 10.0 98.2 79-122

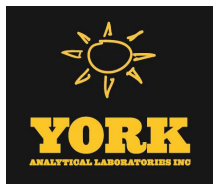
*Surrogate: Toluene-d8*

10.5 " 10.0 105 81-117

**LCS (BB50603-BS1)**

Prepared & Analyzed: 02/12/2015

1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	82-126				
1,1,1-Trichloroethane	8.96		"	10.0		89.6	78-136				
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.19		"	10.0		81.9	54-165				
1,1,2-Trichloroethane	10.7		"	10.0		107	82-123				
1,1-Dichloroethane	8.85		"	10.0		88.5	82-129				
1,1-Dichloroethylene	9.32		"	10.0		93.2	68-138				
1,1-Dichloropropylene	8.96		"	10.0		89.6	83-133				
1,2,3-Trichlorobenzene	10.0		"	10.0		100	76-136				
1,2,3-Trichloropropane	9.04		"	10.0		90.4	77-128				
1,2,4-Trichlorobenzene	9.90		"	10.0		99.0	76-137				
1,2,4-Trimethylbenzene	10.0		"	10.0		100	82-132				
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	45-147				
1,2-Dibromoethane	10.6		"	10.0		106	83-124				
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123				
1,2-Dichloroethane	8.59		"	10.0		85.9	73-132				
1,2-Dichloropropane	10.3		"	10.0		103	78-126				
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131				
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122				
1,3-Dichloropropane	9.63		"	10.0		96.3	81-125				
1,4-Dichlorobenzene	9.49		"	10.0		94.9	85-124				
2,2-Dichloropropane	8.50		"	10.0		85.0	56-150				
2-Chlorotoluene	10.0		"	10.0		100	79-130				
2-Hexanone	10.5		"	10.0		105	51-146				
4-Chlorotoluene	10.7		"	10.0		107	79-128				
Acetone	6.48		"	10.0		64.8	14-150				
Benzene	8.45		"	10.0		84.5	85-126	Low Bias			
Bromobenzene	10.6		"	10.0		106	78-129				
Bromochloromethane	9.19		"	10.0		91.9	77-128				
Bromodichloromethane	10.5		"	10.0		105	79-128				
Bromoform	10.6		"	10.0		106	78-133				
Bromomethane	9.17		"	10.0		91.7	43-168				
Carbon tetrachloride	8.99		"	10.0		89.9	77-141				
Chlorobenzene	10.1		"	10.0		101	88-120				



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 BB50603 - EPA 5030B

LCS (BB50603-BS1)

Prepared & Analyzed: 02/12/2015

Chloroethane	9.13		ug/L	10.0		91.3	65-136				
Chloroform	9.27		"	10.0		92.7	82-128				
Chloromethane	8.30		"	10.0		83.0	43-155				
cis-1,2-Dichloroethylene	8.96		"	10.0		89.6	83-129				
cis-1,3-Dichloropropylene	11.8		"	10.0		118	80-131				
Dibromochloromethane	10.7		"	10.0		107	80-130				
Dibromomethane	10.6		"	10.0		106	72-134				
Dichlorodifluoromethane	7.29		"	10.0		72.9	44-144				
Ethyl Benzene	10.6		"	10.0		106	80-131				
Hexachlorobutadiene	10.5		"	10.0		105	67-146				
Isopropylbenzene	10.2		"	10.0		102	76-140				
Methyl tert-butyl ether (MTBE)	9.28		"	10.0		92.8	76-135				
Methylene chloride	9.19		"	10.0		91.9	55-137				
Naphthalene	9.28		"	10.0		92.8	70-147				
n-Butylbenzene	10.4		"	10.0		104	79-132				
n-Propylbenzene	10.3		"	10.0		103	78-133				
o-Xylene	9.92		"	10.0		99.2	78-130				
p- & m- Xylenes	21.0		"	20.0		105	77-133				
p-Isopropyltoluene	10.1		"	10.0		101	81-136				
sec-Butylbenzene	10.2		"	10.0		102	79-137				
Styrene	10.3		"	10.0		103	67-132				
tert-Butylbenzene	10.7		"	10.0		107	77-138				
Tetrachloroethylene	9.64		"	10.0		96.4	82-131				
Toluene	10.3		"	10.0		103	80-127				
trans-1,2-Dichloroethylene	9.46		"	10.0		94.6	80-132				
trans-1,3-Dichloropropylene	10.8		"	10.0		108	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	8.33		"	10.0		83.3	67-139				
Vinyl Chloride	8.73		"	10.0		87.3	58-145				
Surrogate: 1,2-Dichloroethane-d4	9.03		"	10.0		90.3	69-130				
Surrogate: p-Bromofluorobenzene	9.81		"	10.0		98.1	79-122				
Surrogate: Toluene-d8	10.5		"	10.0		105	81-117				



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

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Flag	RPD		
		Limit						Units	Level	Result
<b>Batch BB50603 - EPA 5030B</b>										
<b>LCS Dup (BB50603-BSD1)</b>										
Prepared & Analyzed: 02/12/2015										
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0	102	82-126		3.00	30	
1,1,1-Trichloroethane	9.29		"	10.0	92.9	78-136		3.62	30	
1,1,2,2-Tetrachloroethane	10.2		"	10.0	102	76-129		1.75	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.05		"	10.0	80.5	54-165		1.72	30	
1,1,2-Trichloroethane	10.3		"	10.0	103	82-123		3.63	30	
1,1-Dichloroethane	9.56		"	10.0	95.6	82-129		7.71	30	
1,1-Dichloroethylene	9.12		"	10.0	91.2	68-138		2.17	30	
1,1-Dichloropropylene	9.26		"	10.0	92.6	83-133		3.29	30	
1,2,3-Trichlorobenzene	10.5		"	10.0	105	76-136		4.96	30	
1,2,3-Trichloropropane	9.64		"	10.0	96.4	77-128		6.42	30	
1,2,4-Trichlorobenzene	10.1		"	10.0	101	76-137		2.20	30	
1,2,4-Trimethylbenzene	10.6		"	10.0	106	82-132		5.05	30	
1,2-Dibromo-3-chloropropane	10.9		"	10.0	109	45-147		7.22	30	
1,2-Dibromoethane	10.2		"	10.0	102	83-124		3.18	30	
1,2-Dichlorobenzene	10.7		"	10.0	107	79-123		5.26	30	
1,2-Dichloroethane	9.22		"	10.0	92.2	73-132		7.07	30	
1,2-Dichloropropane	10.5		"	10.0	105	78-126		1.54	30	
1,3,5-Trimethylbenzene	10.8		"	10.0	108	80-131		4.73	30	
1,3-Dichlorobenzene	10.2		"	10.0	102	86-122		0.0976	30	
1,3-Dichloropropane	10.4		"	10.0	104	81-125		8.07	30	
1,4-Dichlorobenzene	9.70		"	10.0	97.0	85-124		2.19	30	
2,2-Dichloropropane	8.76		"	10.0	87.6	56-150		3.01	30	
2-Chlorotoluene	9.53		"	10.0	95.3	79-130		5.11	30	
2-Hexanone	9.92		"	10.0	99.2	51-146		5.30	30	
4-Chlorotoluene	11.0		"	10.0	110	79-128		1.94	30	
Acetone	6.99		"	10.0	69.9	14-150		7.57	30	
Benzene	9.42		"	10.0	94.2	85-126		10.9	30	
Bromobenzene	10.3		"	10.0	103	78-129		3.16	30	
Bromochloromethane	9.28		"	10.0	92.8	77-128		0.975	30	
Bromodichloromethane	10.6		"	10.0	106	79-128		0.856	30	
Bromoform	10.8		"	10.0	108	78-133		1.87	30	
Bromomethane	8.84		"	10.0	88.4	43-168		3.66	30	
Carbon tetrachloride	9.22		"	10.0	92.2	77-141		2.53	30	
Chlorobenzene	10.1		"	10.0	101	88-120		0.0993	30	
Chloroethane	9.01		"	10.0	90.1	65-136		1.32	30	
Chloroform	9.32		"	10.0	93.2	82-128		0.538	30	
Chloromethane	8.18		"	10.0	81.8	43-155		1.46	30	
cis-1,2-Dichloroethylene	9.64		"	10.0	96.4	83-129		7.31	30	
cis-1,3-Dichloropropylene	11.6		"	10.0	116	80-131		1.63	30	
Dibromochloromethane	10.4		"	10.0	104	80-130		3.31	30	
Dibromomethane	10.2		"	10.0	102	72-134		3.47	30	
Dichlorodifluoromethane	7.22		"	10.0	72.2	44-144		0.965	30	
Ethyl Benzene	10.4		"	10.0	104	80-131		2.38	30	
Hexachlorobutadiene	10.4		"	10.0	104	67-146		0.575	30	
Isopropylbenzene	11.1		"	10.0	111	76-140		8.19	30	
Methyl tert-butyl ether (MTBE)	9.23		"	10.0	92.3	76-135		0.540	30	
Methylene chloride	9.50		"	10.0	95.0	55-137		3.32	30	
Naphthalene	9.29		"	10.0	92.9	70-147		0.108	30	
n-Butylbenzene	10.9		"	10.0	109	79-132		3.85	30	
n-Propylbenzene	10.4		"	10.0	104	78-133		0.193	30	
o-Xylene	10.5		"	10.0	105	78-130		5.97	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

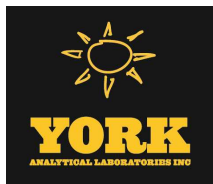
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB50603 - EPA 5030B

LCS Dup (BB50603-BSD1)

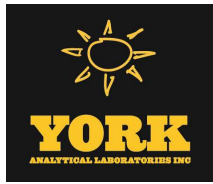
Prepared & Analyzed: 02/12/2015

p- & m- Xylenes	21.5		ug/L	20.0		107	77-133		2.02	30	
p-Isopropyltoluene	9.69		"	10.0		96.9	81-136		4.44	30	
sec-Butylbenzene	11.5		"	10.0		115	79-137		12.0	30	
Styrene	11.1		"	10.0		111	67-132		7.12	30	
tert-Butylbenzene	10.9		"	10.0		109	77-138		2.13	30	
Tetrachloroethylene	10.5		"	10.0		105	82-131		8.54	30	
Toluene	10.6		"	10.0		106	80-127		2.98	30	
trans-1,2-Dichloroethylene	9.43		"	10.0		94.3	80-132		0.318	30	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131		1.97	30	
Trichloroethylene	10.7		"	10.0		107	82-128		3.53	30	
Trichlorofluoromethane	8.28		"	10.0		82.8	67-139		0.602	30	
Vinyl Chloride	8.50		"	10.0		85.0	58-145		2.67	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.70</i>		<i>"</i>	<i>10.0</i>		<i>97.0</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.74</i>		<i>"</i>	<i>10.0</i>		<i>97.4</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.9</i>		<i>"</i>	<i>10.0</i>		<i>109</i>	<i>81-117</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 BB50313 - EPA 3010A</b>											
<b>Blank (BB50313-BLK1)</b>										Prepared & Analyzed: 02/06/2015	
Iron - Dissolved	ND	0.0200	mg/L								
<b>Duplicate (BB50313-DUP1)</b>										*Source sample: 15B0147-01 (WQ020515: 1210NP2-10) Prepared & Analyzed: 02/06/2015	
Iron - Dissolved	0.0975	0.0200	mg/L		0.0979				0.454	20	
<b>Matrix Spike (BB50313-MS1)</b>										*Source sample: 15B0147-01 (WQ020515: 1210NP2-10) Prepared & Analyzed: 02/06/2015	
Iron - Dissolved	1.11	0.0200	mg/L	1.00	0.0979	102	75-125				
<b>Reference (BB50313-SRM1)</b>										Prepared & Analyzed: 02/06/2015	
Iron - Dissolved	1.35	0.0200	mg/L	1.32		102	84.8-115				
<b>Batch BB50315 - EPA 3010A</b>											
<b>Blank (BB50315-BLK1)</b>										Prepared & Analyzed: 02/06/2015	
Iron	ND	0.0200	mg/L								
<b>Duplicate (BB50315-DUP1)</b>										*Source sample: 15B0147-01 (WQ020515: 1210NP2-10) Prepared & Analyzed: 02/06/2015	
Iron	0.984	0.0200	mg/L		0.999				1.53	20	
<b>Matrix Spike (BB50315-MS1)</b>										*Source sample: 15B0147-01 (WQ020515: 1210NP2-10) Prepared & Analyzed: 02/06/2015	
Iron	1.96	0.0200	mg/L	1.00	0.999	96.6	75-125				
<b>Reference (BB50315-SRM1)</b>										Prepared & Analyzed: 02/06/2015	
Iron	1.34	0.0200	mg/L	1.32		102	84.8-115				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

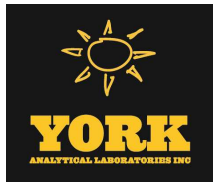
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BB50467 - % Solids Prep**

**Blank (BB50467-BLK1)**

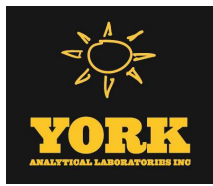
Prepared: 02/10/2015 Analyzed: 02/11/2015

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



### Volatile Analysis Sample Containers

<b>Lab ID</b>	<b>Client Sample ID</b>	<b>Volatile Sample Container</b>
15B0145-01	WQ020515: 1200NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15B0145-02	WQ020515: 1205NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15B0147-01	WQ020515: 1210NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



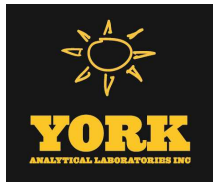
## Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
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.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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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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# 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. 15B0145

<b>YOUR Information</b> Company: <u>LB&amp;B</u> Address: <u>4 Research Dr. Suite 301 Shelton, CT 06484</u> Phone No.: <u>203-929-8555</u> Contact Person: <u>Tunde Sandoz</u> E-Mail Address: <u>TSandoz@LB&amp;B.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>Rewe Industries</u> Purchase Order No. <u>NAB5AG</u>		<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"/> <u>pdf</u> Summary w/ QA Summary <input checked="" type="checkbox"/> <u>pdf</u> CT RCP Package CT RCP DQADUE Pkg NY ASP A Package NY ASP B Package <u>NP2-10 only</u> <u>pdf</u> NI DEP Red. Deliv. Electronic Data Deliverables (EDDL)	
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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) [Signature]  
 Name (printed) STEPHEN HAT

Semi-Vols: 8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NUDEP list App. IX TCLP BNA SLP or TCLP 508 PCB	Volatiles 8260 full 624 STARS list BTEX MTBE Ketones Oxygenates TCL list TAGM list CT RCP list 524.2 Arom. only 502.2 Halog. only NUDEP list App. IX SLP or TCLP 8021B list	Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 NUDEP list Air TO14A Air TO15 Air STARS SLP or TCLP Dissolved SLP or TCLP Herb Chloroform App. IX 608 Pest LIST Below Heptan	Metals RCRA8 PF13 list TAL CT15 list TAGM list NUDEP list Total Dissolved SLP or TCLP Lead/Meq LIST Below	Full Lists P/L Poll. TCL Organs TAL Medcs Full TCLP Full App. IX Part 300-Resour Hemomysls Part 360-Biostr Part 360-Env Part 360-Gen NYCLP/Resour TOC NYSDCL/Env Abbosol Silica	Misc. Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Part 300-Resour Hemomysls Part 360-Biostr Part 360-Env Part 360-Gen NYCLP/Resour TOC NYSDCL/Env Abbosol Silica
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Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
W0020515-1200NP2-6	2/5/15 1200	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SWP46-6010B)/VOCs, 8260 list (EPA SWP45-8260B) plus from 113	3V 2P
W0020515-1205NP2-7	1205	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SWP46-6010B)/VOCs, 8260 list (EPA SWP45-8260B) plus from 113 / TDS (SH 2540c)	3V 2P
W0020515-1210NP2-10	1210	GW		3V 3P

Comments

Preservation Check those Applicable  
 Special Instructions  
 Field Filtered   
 Lab to Filter

4°C \_\_\_\_\_ Frozen \_\_\_\_\_ HCl \_\_\_\_\_ ZnAc \_\_\_\_\_  
 MrOH \_\_\_\_\_ Ascorbic Acid \_\_\_\_\_  
 HNO<sub>3</sub> \_\_\_\_\_ H<sub>2</sub>SO<sub>4</sub> \_\_\_\_\_ NaOH \_\_\_\_\_  
 Other \_\_\_\_\_

Samples Relinquished By [Signature] Date/Time 2/6/15 0936  
 Samples Received By [Signature] Date/Time 2-6-15 0936  
 Samples Relinquished By \_\_\_\_\_ Date/Time \_\_\_\_\_  
 Samples Received in LAB by \_\_\_\_\_ Date/Time \_\_\_\_\_

Temperature on Receipt \_\_\_\_\_ °C

(system)

# YORK

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

## Field Chain-of-Custody Record

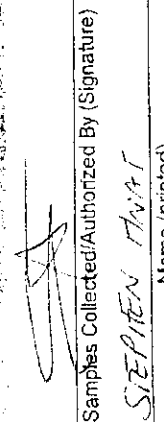
NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

Page 1 of 1

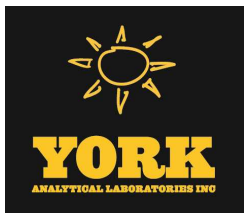
York Project No. 15130147

<b>YOUR INFORMATION</b> Company: <u>LB6</u> Address: <u>4 Research Dr, Suite 301 Shelton, CT 06484</u> Phone No. <u>263-929-8555</u> Contact Person: <u>Jende Sandoz</u> E-Mail Address: <u>TSandoz@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>ApwE Industries</u> Purchase Order No. <u>NA85A6</u> Samples from: CT <input type="checkbox"/> NY <input checked="" type="checkbox"/> NJ <input type="checkbox"/>		<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 <input type="checkbox"/> CTRCP DOA/DUE Pkg <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input type="checkbox"/> NUDEP Red. Deliv. <input type="checkbox"/> <i>(Electronic Data Deliverables (EDD))</i> Simple Excel <input checked="" type="checkbox"/> NYSDEC EQUS <input type="checkbox"/> EQUS (std) <input type="checkbox"/> EZ-EDD (EQUS) <input type="checkbox"/> NUDEP SRP HazSite EDD <input type="checkbox"/> GIS/KEY (std) <input type="checkbox"/> Other <input type="checkbox"/> York Regulatory Comparison <input type="checkbox"/> Excel Spreadsheet <input type="checkbox"/> Compare to the following (eg. please fill in): _____	
<b>Volatiles</b> B260 full TICs 624 Site Spec STARS list Nassau Co. BTEX Suffolk Co. MTBE TOL list TAGM list CT RCP list Arom. only Hulep. only App IX list 8021B list		<b>Metals</b> RCRAR FP13 list TAL CT15 list TAGM list NUDEP list Total Disolved SLP/CTCLP Lead/Metal LIST Below		<b>Misc. Org</b> TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TCGs Methane Heptane		<b>Full Lists</b> Full Poll TCL Ogates TAL MACY Full TCLP Full App IX Part 300-900 Part 300-900 Part 300-900 Part 300-900 NYDEC TAGM		<b>Misc.</b> Creativity Reactivity Ignitability Flash Point Sieve Anal. Hexamolds TOX BTLMb Aquatic Tox NYDEC Adhesives Silica			
<b>Matrix Codes</b> S - soil Other - specify (oil, etc) WW - wastewater GW - groundwater DAW - drinking water Air-A - ambient air Air-SV - soil vapor		<b>Sample Matrix</b> GW GW GW		<b>Date Sampled</b> 12/15/15 12/15/15 12/16/15		<b>Date Sampled</b> 12/15/15 12/15/15 12/16/15					
<b>Sample Identification</b> W0020315-121609-6 W0020315-121609-7 W0020315-121609-10		<b>Choose Analyses Needed from the Menu Above and Enter Below</b> Fe by EPA 800-71 Fe, Dissolved by EPA 8010 (SW 846-0108) / VCS B260 List (EPA SW 846-8260b) plus Fe on 13 Fe by EPA 800-71 Fe, Dissolved by EPA 8010 (SW 846-0108) / VCS B260 List (EPA SW 846-8260b) plus Fe on 13 / TDS (9H 2540E)		<b>Container</b> Description(s) 30 RP 30 RP 30 RP		<b>Temperature on Receipt</b> _____ °C					
<b>Preservation</b> Check dusts Applicable Special Instructions Field Filled <input type="checkbox"/> Lab to Filter <input type="checkbox"/>		<b>4°C</b> Frozen _____ HCl _____ HNO _____ H <sub>2</sub> O _____ NaOH _____ MeOH _____ Ascorbic Acid _____ Other _____		<b>Samples Relinquished By</b> Date/Time <u>2/26/15</u> <u>13:45</u>		<b>Samples Received By</b> Date/Time <u>2-2-15</u> <u>13:45</u>					
<b>Comments</b>		<b>Samples Relinquished By</b> Date/Time _____		<b>Samples Received in LAB by</b> Date/Time _____							

*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 MAAT  
 Name (printed)

(system)



# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 204

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 02/25/2015

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 15B0510

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 02/25/2015  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 15B0510

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

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 18, 2015 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>
15B0510-01	WQ021715:1330NP2-6	Water	02/17/2015	02/18/2015
15B0510-02	WQ021715:1335NP2-7	Water	02/17/2015	02/18/2015
15B0511-01	WQ021715:1340NP2-10	Water	02/17/2015	02/18/2015

## General Notes for York Project (SDG) No.: 15B0510

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: 02/25/2015





### Sample Information

**Client Sample ID:** WQ021715:1330NP2-6

**York Sample ID:** 15B0510-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
15B0510	Rowe Industries	Water	February 17, 2015 1:30 pm	02/18/2015

**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	02/23/2015 08:39	02/23/2015 14:57	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS



### Sample Information

**Client Sample ID:** WQ021715:1330NP2-6

**York Sample ID:** 15B0510-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0510

Rowe Industries

Water

February 17, 2015 1:30 pm

02/18/2015

**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	02/23/2015 08:39	02/23/2015 14:57	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>1.5</b>		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>6.3</b>		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
79-01-6	<b>Trichloroethylene</b>	<b>0.66</b>		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/23/2015 08:39	02/23/2015 14:57	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %		69-130							
460-00-4	Surrogate: p-Bromofluorobenzene	103 %		79-122							
2037-26-5	Surrogate: Toluene-d8	95.9 %		81-117							



### Sample Information

**Client Sample ID:** WQ021715:1330NP2-6

**York Sample ID:** 15B0510-01

<u>York Project (SDG) No.</u> 15B0510	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 17, 2015 1:30 pm	<u>Date Received</u> 02/18/2015
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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	3.84		mg/L	0.0146	0.0200	1	EPA 200.7	02/19/2015 14:24	02/19/2015 21:26	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	ND		mg/L	0.0200	0.0200	1	EPA 6010C	02/19/2015 14:21	02/19/2015 18:20	MW

### Sample Information

**Client Sample ID:** WQ021715:1335NP2-7

**York Sample ID:** 15B0510-02

<u>York Project (SDG) No.</u> 15B0510	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 17, 2015 1:35 pm	<u>Date Received</u> 02/18/2015
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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	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	02/23/2015 08:39	02/23/2015 15:27	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS



### Sample Information

**Client Sample ID:** WQ021715:1335NP2-7

**York Sample ID:** 15B0510-02

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

15B0510

Rowe Industries

Water

February 17, 2015 1:35 pm

02/18/2015

**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
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:27	SS



Sample Information

Client Sample ID: WQ021715:1335NP2-7

York Sample ID: 15B0510-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0510

Rowe Industries

Water

February 17, 2015 1:35 pm

02/18/2015

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for various organic compounds and surrogate recoveries.

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes row for Iron.

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes row for Dissolved Iron.

Sample Information

Client Sample ID: WQ021715:1340NP2-10

York Sample ID: 15B0511-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0511

Rowe Industries

Water

February 17, 2015 1:40 pm

02/18/2015

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:



## Sample Information

**Client Sample ID:** WQ021715:1340NP2-10

**York Sample ID:** 15B0511-01

<u>York Project (SDG) No.</u> 15B0511	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 17, 2015 1:40 pm	<u>Date Received</u> 02/18/2015
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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	02/23/2015 08:39	02/23/2015 15:56	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS



### Sample Information

**Client Sample ID:** WQ021715:1340NP2-10

**York Sample ID:** 15B0511-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0511

Rowe Industries

Water

February 17, 2015 1:40 pm

02/18/2015

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/23/2015 08:39	02/23/2015 15:56	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %		69-130							
460-00-4	Surrogate: p-Bromofluorobenzene	102 %		79-122							
2037-26-5	Surrogate: Toluene-d8	95.8 %		81-117							



**Sample Information**

**Client Sample ID:** WQ021715:1340NP2-10

**York Sample ID:** 15B0511-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0511

Rowe Industries

Water

February 17, 2015 1:40 pm

02/18/2015

**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	1.24		mg/L	0.0146	0.0200	1	EPA 200.7	02/19/2015 14:24	02/19/2015 21:36	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	0.0855		mg/L	0.0200	0.0200	1	EPA 6010C	02/19/2015 14:21	02/19/2015 18:31	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	171		mg/L	10.0	10.0	1	SM 2540C	02/24/2015 15:11	02/24/2015 15:11	AA



## Analytical Batch Summary

**Batch ID:** BB50889      **Preparation Method:** EPA 3010A      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
15B0510-01	WQ021715:1330NP2-6	02/19/15
15B0510-02	WQ021715:1335NP2-7	02/19/15
15B0511-01	WQ021715:1340NP2-10	02/19/15
BB50889-BLK1	Blank	02/19/15
BB50889-DUP1	Duplicate	02/19/15
BB50889-MS1	Matrix Spike	02/19/15
BB50889-SRM1	Reference	02/19/15

**Batch ID:** BB50891      **Preparation Method:** EPA 3010A      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
15B0510-01	WQ021715:1330NP2-6	02/19/15
15B0510-02	WQ021715:1335NP2-7	02/19/15
15B0511-01	WQ021715:1340NP2-10	02/19/15
BB50891-BLK1	Blank	02/19/15
BB50891-SRM1	Reference	02/19/15

**Batch ID:** BB50985      **Preparation Method:** EPA 5030B      **Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date
15B0510-01	WQ021715:1330NP2-6	02/23/15
15B0510-02	WQ021715:1335NP2-7	02/23/15
15B0511-01	WQ021715:1340NP2-10	02/23/15
BB50985-BLK1	Blank	02/23/15
BB50985-BS1	LCS	02/23/15
BB50985-BSD1	LCS Dup	02/23/15

**Batch ID:** BB51058      **Preparation Method:** % Solids Prep      **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
15B0511-01	WQ021715:1340NP2-10	02/24/15
BB51058-BLK1	Blank	02/24/15



**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 BB50985 - EPA 5030B**

**Blank (BB50985-BLK1)**

Prepared & Analyzed: 02/23/2015

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	0.59	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.48	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	0.35	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 BB50985 - EPA 5030B**

**Blank (BB50985-BLK1)**

Prepared & Analyzed: 02/23/2015

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>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.67</i>		<i>"</i>	<i>10.0</i>		<i>96.7</i>	<i>81-117</i>				

**LCS (BB50985-BS1)**

Prepared & Analyzed: 02/23/2015

1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	10.3		"	10.0		103	78-136				
1,1,2,2-Tetrachloroethane	9.60		"	10.0		96.0	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.75		"	10.0		97.5	54-165				
1,1,2-Trichloroethane	9.76		"	10.0		97.6	82-123				
1,1-Dichloroethane	9.63		"	10.0		96.3	82-129				
1,1-Dichloroethylene	9.74		"	10.0		97.4	68-138				
1,1-Dichloropropylene	10.1		"	10.0		101	83-133				
1,2,3-Trichlorobenzene	10.6		"	10.0		106	76-136				
1,2,3-Trichloropropane	9.63		"	10.0		96.3	77-128				
1,2,4-Trichlorobenzene	10.8		"	10.0		108	76-137				
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132				
1,2-Dibromo-3-chloropropane	13.7		"	10.0		137	45-147				
1,2-Dibromoethane	9.73		"	10.0		97.3	83-124				
1,2-Dichlorobenzene	11.7		"	10.0		117	79-123				
1,2-Dichloroethane	9.48		"	10.0		94.8	73-132				
1,2-Dichloropropane	9.94		"	10.0		99.4	78-126				
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131				
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122				
1,3-Dichloropropane	9.58		"	10.0		95.8	81-125				
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124				
2,2-Dichloropropane	11.9		"	10.0		119	56-150				
2-Chlorotoluene	10.1		"	10.0		101	79-130				
2-Hexanone	9.78		"	10.0		97.8	51-146				
4-Chlorotoluene	10.0		"	10.0		100	79-128				
Acetone	5.70		"	10.0		57.0	14-150				
Benzene	9.82		"	10.0		98.2	85-126				
Bromobenzene	10.2		"	10.0		102	78-129				
Bromochloromethane	9.28		"	10.0		92.8	77-128				
Bromodichloromethane	10.2		"	10.0		102	79-128				
Bromoform	10.8		"	10.0		108	78-133				
Bromomethane	11.8		"	10.0		118	43-168				
Carbon tetrachloride	10.3		"	10.0		103	77-141				
Chlorobenzene	9.90		"	10.0		99.0	88-120				



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

**York Analytical Laboratories, Inc.**

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

**Batch BB50985 - EPA 5030B**

**LCS (BB50985-BS1)**

Prepared & Analyzed: 02/23/2015

Chloroethane	8.97		ug/L	10.0		89.7	65-136				
Chloroform	9.83		"	10.0		98.3	82-128				
Chloromethane	8.88		"	10.0		88.8	43-155				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131				
Dibromochloromethane	10.1		"	10.0		101	80-130				
Dibromomethane	10.2		"	10.0		102	72-134				
Dichlorodifluoromethane	7.61		"	10.0		76.1	44-144				
Ethyl Benzene	10.1		"	10.0		101	80-131				
Hexachlorobutadiene	10.8		"	10.0		108	67-146				
Isopropylbenzene	10.5		"	10.0		105	76-140				
Methyl tert-butyl ether (MTBE)	9.54		"	10.0		95.4	76-135				
Methylene chloride	8.49		"	10.0		84.9	55-137				
Naphthalene	10.7		"	10.0		107	70-147				
n-Butylbenzene	10.6		"	10.0		106	79-132				
n-Propylbenzene	10.4		"	10.0		104	78-133				
o-Xylene	10.0		"	10.0		100	78-130				
p- & m- Xylenes	20.0		"	20.0		99.8	77-133				
p-Isopropyltoluene	10.6		"	10.0		106	81-136				
sec-Butylbenzene	10.6		"	10.0		106	79-137				
Styrene	10.0		"	10.0		100	67-132				
tert-Butylbenzene	10.6		"	10.0		106	77-138				
Tetrachloroethylene	10.4		"	10.0		104	82-131				
Toluene	9.75		"	10.0		97.5	80-127				
trans-1,2-Dichloroethylene	9.76		"	10.0		97.6	80-132				
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131				
Trichloroethylene	10.2		"	10.0		102	82-128				
Trichlorofluoromethane	9.94		"	10.0		99.4	67-139				
Vinyl Chloride	9.68		"	10.0		96.8	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.68</i>		<i>"</i>	<i>10.0</i>		<i>96.8</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.98</i>		<i>"</i>	<i>10.0</i>		<i>99.8</i>	<i>81-117</i>				



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

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	RPD	Flag	RPD	Limit	Flag
		Limit									
<b>Batch BB50985 - EPA 5030B</b>											
<b>LCS Dup (BB50985-BSD1)</b>											
Prepared & Analyzed: 02/23/2015											
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0	107	82-126	4.80		30		
1,1,1-Trichloroethane	10.6		"	10.0	106	78-136	2.40		30		
1,1,2,2-Tetrachloroethane	10.3		"	10.0	103	76-129	7.23		30		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0	109	54-165	11.2		30		
1,1,2-Trichloroethane	10.1		"	10.0	101	82-123	3.42		30		
1,1-Dichloroethane	10.1		"	10.0	101	82-129	5.06		30		
1,1-Dichloroethylene	10.4		"	10.0	104	68-138	6.36		30		
1,1-Dichloropropylene	10.5		"	10.0	105	83-133	3.39		30		
1,2,3-Trichlorobenzene	11.3		"	10.0	113	76-136	6.28		30		
1,2,3-Trichloropropane	10.8		"	10.0	108	77-128	11.3		30		
1,2,4-Trichlorobenzene	11.3		"	10.0	113	76-137	4.80		30		
1,2,4-Trimethylbenzene	10.4		"	10.0	104	82-132	0.481		30		
1,2-Dibromo-3-chloropropane	10.2		"	10.0	102	45-147	28.9		30		
1,2-Dibromoethane	10.2		"	10.0	102	83-124	4.32		30		
1,2-Dichlorobenzene	10.4		"	10.0	104	79-123	11.7		30		
1,2-Dichloroethane	10.1		"	10.0	101	73-132	5.94		30		
1,2-Dichloropropane	9.92		"	10.0	99.2	78-126	0.201		30		
1,3,5-Trimethylbenzene	10.5		"	10.0	105	80-131	1.83		30		
1,3-Dichlorobenzene	10.5		"	10.0	105	86-122	4.48		30		
1,3-Dichloropropane	10.2		"	10.0	102	81-125	5.88		30		
1,4-Dichlorobenzene	10.4		"	10.0	104	85-124	3.12		30		
2,2-Dichloropropane	12.0		"	10.0	120	56-150	0.668		30		
2-Chlorotoluene	10.5		"	10.0	105	79-130	3.11		30		
2-Hexanone	11.6		"	10.0	116	51-146	16.6		30		
4-Chlorotoluene	10.1		"	10.0	101	79-128	0.893		30		
Acetone	6.71		"	10.0	67.1	14-150	16.3		30		
Benzene	9.99		"	10.0	99.9	85-126	1.72		30		
Bromobenzene	10.3		"	10.0	103	78-129	1.46		30		
Bromochloromethane	9.70		"	10.0	97.0	77-128	4.43		30		
Bromodichloromethane	10.5		"	10.0	105	79-128	3.10		30		
Bromoform	11.2		"	10.0	112	78-133	3.55		30		
Bromomethane	11.9		"	10.0	119	43-168	0.421		30		
Carbon tetrachloride	10.9		"	10.0	109	77-141	5.94		30		
Chlorobenzene	10.1		"	10.0	101	88-120	2.40		30		
Chloroethane	9.46		"	10.0	94.6	65-136	5.32		30		
Chloroform	10.0		"	10.0	100	82-128	2.01		30		
Chloromethane	8.86		"	10.0	88.6	43-155	0.225		30		
cis-1,2-Dichloroethylene	10.2		"	10.0	102	83-129	1.36		30		
cis-1,3-Dichloropropylene	10.7		"	10.0	107	80-131	1.51		30		
Dibromochloromethane	10.8		"	10.0	108	80-130	6.59		30		
Dibromomethane	10.5		"	10.0	105	72-134	3.19		30		
Dichlorodifluoromethane	8.30		"	10.0	83.0	44-144	8.67		30		
Ethyl Benzene	10.3		"	10.0	103	80-131	1.86		30		
Hexachlorobutadiene	11.5		"	10.0	115	67-146	5.47		30		
Isopropylbenzene	10.6		"	10.0	106	76-140	1.23		30		
Methyl tert-butyl ether (MTBE)	10.5		"	10.0	105	76-135	9.87		30		
Methylene chloride	8.93		"	10.0	89.3	55-137	5.05		30		
Naphthalene	11.4		"	10.0	114	70-147	6.70		30		
n-Butylbenzene	10.9		"	10.0	109	79-132	3.26		30		
n-Propylbenzene	10.5		"	10.0	105	78-133	0.670		30		
o-Xylene	10.2		"	10.0	102	78-130	1.87		30		



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

**York Analytical Laboratories, Inc.**

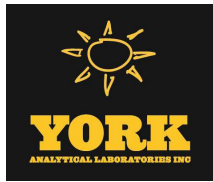
Analyte	Result	Reporting	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit								Limit	

**Batch BB50985 - EPA 5030B**

**LCS Dup (BB50985-BSD1)**

Prepared & Analyzed: 02/23/2015

p- & m- Xylenes	20.4		ug/L	20.0		102	77-133		2.13	30
p-Isopropyltoluene	10.8		"	10.0		108	81-136		2.52	30
sec-Butylbenzene	10.9		"	10.0		109	79-137		3.26	30
Styrene	10.5		"	10.0		105	67-132		4.57	30
tert-Butylbenzene	10.7		"	10.0		107	77-138		1.04	30
Tetrachloroethylene	10.9		"	10.0		109	82-131		5.17	30
Toluene	9.92		"	10.0		99.2	80-127		1.73	30
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132		2.43	30
trans-1,3-Dichloropropylene	11.1		"	10.0		111	78-131		3.96	30
Trichloroethylene	10.4		"	10.0		104	82-128		1.75	30
Trichlorofluoromethane	10.6		"	10.0		106	67-139		6.33	30
Vinyl Chloride	9.86		"	10.0		98.6	58-145		1.84	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.81</i>		<i>"</i>	<i>10.0</i>		<i>98.1</i>	<i>69-130</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.77</i>		<i>"</i>	<i>10.0</i>		<i>97.7</i>	<i>79-122</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.84</i>		<i>"</i>	<i>10.0</i>		<i>98.4</i>	<i>81-117</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 BB50889 - EPA 3010A</b>											
<b>Blank (BB50889-BLK1)</b>										Prepared & Analyzed: 02/19/2015	
Iron - Dissolved	ND	0.0200	mg/L								
<b>Duplicate (BB50889-DUP1)</b>										*Source sample: 15B0511-01 (WQ021715:1340NP2-10) Prepared & Analyzed: 02/19/2015	
Iron - Dissolved	0.0905	0.0200	mg/L		0.0855				5.78	20	
<b>Matrix Spike (BB50889-MS1)</b>										*Source sample: 15B0511-01 (WQ021715:1340NP2-10) Prepared & Analyzed: 02/19/2015	
Iron - Dissolved	1.10	0.0200	mg/L	1.00	0.0855	102	75-125				
<b>Reference (BB50889-SRM1)</b>										Prepared & Analyzed: 02/19/2015	
Iron - Dissolved	1.37	0.0200	mg/L	1.32		104	84.8-115				
<b>Batch BB50891 - EPA 3010A</b>											
<b>Blank (BB50891-BLK1)</b>										Prepared & Analyzed: 02/19/2015	
Iron	ND	0.0200	mg/L								
<b>Reference (BB50891-SRM1)</b>										Prepared & Analyzed: 02/19/2015	
Iron	1.36	0.0200	mg/L	1.32		103	84.8-115				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

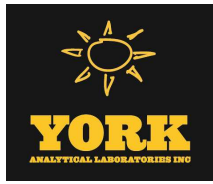
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BB51058 - % Solids Prep**

**Blank (BB51058-BLK1)**

Prepared & Analyzed: 02/24/2015

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

Lab ID	Client Sample ID	Volatile Sample Container
15B0510-01	WQ021715:1330NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15B0510-02	WQ021715:1335NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15B0511-01	WQ021715:1340NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Notes and Definitions

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.
<hr/>	
*	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.

# 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. 15B0570

<b>YOUR Information</b> Company: <u>LBG</u> Address: <u>4 Research Dr. Suite 301 Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sandoz</u> E-Mail Address: <u>TSandoz@LBGCT.com</u>		<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>Apwe Industries.</u> Purchase Order No. <u>NAB5A6.</u>		<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 CTCRP DQA/DUE Pkg NY ASP A Package NY ASP B Package <u>NP2 to only</u> , pdf. NJDEP Red. Deliv. Electronic Data Deliverables (EDD)	
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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

**Volatiles**  
 8260 full  
 624  
 STARS list  
 BTEX  
 MTBE  
 TCE list  
 TAGM list  
 CT RCP list  
 Arom. only  
 Halog. only  
 App. IX list  
 8021B list

**Semi-Vols. Pest Control**  
 8270 or 625  
 STARS list  
 BN Only  
 PAH list  
 TAGM list  
 CT RCP list  
 TCE list  
 TCEP list  
 App. IX  
 Site Spec.  
 SFL Per TCEP list  
 TCEP list  
 TCEP Herb  
 App. IX  
 TCEP BNA  
 SFL Per TCEP  
 608 PCB

**Metals**  
 RCRA8  
 PF13 list  
 TAL  
 CT15 list  
 TAGM list  
 NJDEP list  
 Total  
 Dissolved  
 SFL Per TCEP  
 Ar VPH  
 Index Metals  
 LIST Below

**Misc. Org.**  
 TPH GRO  
 TPH DRO  
 CT ETPH  
 NY 310-13  
 TPH 1664  
 Air TO14A  
 Air TO15  
 Air STARS  
 Ar VPH  
 SFL Per TCEP  
 Ar TICs  
 Methane  
 Helium

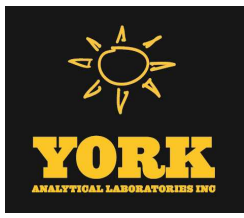
**Fuel Lists**  
 Pri Poll.  
 TCL Opacts  
 Full TCEP  
 Full App. IX  
 Part 360-Heave  
 Part 360-Heave  
 Part 360-Heave  
 Part 360-Heave  
 Part 360-Heave  
 NYDEP Score  
 NYDEP Score  
 NYDEP Score  
 Substos  
 Silica

**Misc.**  
 Cerrosity  
 Reactivity  
 Ignitability  
 Flash Point  
 Sieve Anal.  
 Heteromorphs  
 TOX  
 BTU/ib.  
 Aromatic Toc.  
 NYDEP Score  
 TOC  
 NYDEP Score  
 Substos  
 Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)	Temperature on Receipt
N20021715-1330NP2-6	2/12/15 1330	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010B) / VOCs, P260 list (EPA SW 845-8260B) plus from 113	3V 2P	
N20021715-1335NP2-7	1335	GW		3V 2P	
N20021715-1340NP2-0	1340	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010B) / VOCs, P260 list (EPA SW 845-8260B) plus from 113 / TDS (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>Pauline (LBG)</u> Date/Time: <u>2/18/15 1320</u> Samples Relinquished By: <u>Pauline (LBG)</u> Date/Time: <u>2/13/15 1200</u> Samples Relinquished By: <u>Pauline (LBG)</u> Date/Time: <u>2/18/15 1320</u> Samples Relinquished By: <u>Pauline (LBG)</u> Date/Time: <u>2/18/15 1320</u> Samples Relinquished By: <u>Pauline (LBG)</u> Date/Time: <u>2/18/15 1320</u>					



**APPENDIX II**  
**FEBRUARY 2015 LABORATORY ANALYTICAL REPORTS**  
**FOR FSP&T AND FP&T RECOVERY WELLS**



# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 204

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 02/25/2015

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 15B0512

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 02/25/2015  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 15B0512

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

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## 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 February 18, 2015 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>
15B0512-01	WQ021715:1200 NP1-1-2	Water	02/17/2015	02/18/2015
15B0512-02	WQ021715:1210 FRW1	Water	02/17/2015	02/18/2015
15B0512-03	WQ021715:1215 FRW2	Water	02/17/2015	02/18/2015
15B0512-04	WQ021715:1220 FRW3	Water	02/17/2015	02/18/2015
15B0512-05	WQ021715:1225 FRW4	Water	02/17/2015	02/18/2015

## **General Notes for York Project (SDG) No.: 15B0512**

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:** 02/25/2015





### Sample Information

**Client Sample ID:** WQ021715:1200 NP1-1-2

**York Sample ID:** 15B0512-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
15B0512	Rowe Industries	Water	February 17, 2015 12:00 pm	02/18/2015

**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	02/25/2015 08:10	02/25/2015 12:53	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS



## Sample Information

**Client Sample ID:** WQ021715:1200 NP1-1-2

**York Sample ID:** 15B0512-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0512

Rowe Industries

Water

February 17, 2015 12:00 pm

02/18/2015

**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	02/25/2015 08:10	02/25/2015 12:53	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>0.47</b>	J	ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
79-01-6	<b>Trichloroethylene</b>	<b>0.43</b>	J	ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/25/2015 08:10	02/25/2015 12:53	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.1 %			69-130						
460-00-4	Surrogate: p-Bromofluorobenzene	104 %			79-122						
2037-26-5	Surrogate: Toluene-d8	94.9 %			81-117						



### Sample Information

**Client Sample ID:** WQ021715:1210 FRW1

**York Sample ID:** 15B0512-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0512

Rowe Industries

Water

February 17, 2015 12:10 pm

02/18/2015

**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	02/23/2015 08:39	02/23/2015 16:55	SS
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>0.94</b>		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS



### Sample Information

**Client Sample ID:** WQ021715:1210 FRW1

**York Sample ID:** 15B0512-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0512

Rowe Industries

Water

February 17, 2015 12:10 pm

02/18/2015

**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	02/23/2015 08:39	02/23/2015 16:55	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>4.8</b>		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>75</b>		ug/L	2.0	5.0	10	EPA 8260C	02/23/2015 08:39	02/25/2015 13:22	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
79-01-6	<b>Trichloroethylene</b>	<b>2.3</b>		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/23/2015 08:39	02/23/2015 16:55	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %		69-130							
460-00-4	Surrogate: p-Bromofluorobenzene	102 %		79-122							
2037-26-5	Surrogate: Toluene-d8	96.5 %		81-117							



### Sample Information

**Client Sample ID:** WQ021715:1215 FRW2

**York Sample ID:** 15B0512-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0512

Rowe Industries

Water

February 17, 2015 12:15 pm

02/18/2015

**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	02/23/2015 08:39	02/23/2015 17:25	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS



### Sample Information

**Client Sample ID:** WQ021715:1215 FRW2

**York Sample ID:** 15B0512-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0512

Rowe Industries

Water

February 17, 2015 12:15 pm

02/18/2015

**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	02/23/2015 08:39	02/23/2015 17:25	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>0.22</b>	J	ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>33</b>		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
79-01-6	<b>Trichloroethylene</b>	<b>0.77</b>		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:25	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			69-130						
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			79-122						
2037-26-5	Surrogate: Toluene-d8	97.1 %			81-117						



### Sample Information

**Client Sample ID:** WQ021715:1220 FRW3

**York Sample ID:** 15B0512-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0512

Rowe Industries

Water

February 17, 2015 12:20 pm

02/18/2015

**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	02/23/2015 08:39	02/23/2015 17:54	SS
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>0.83</b>		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
107-06-2	<b>1,2-Dichloroethane</b>	<b>0.35</b>	J	ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS



### Sample Information

**Client Sample ID:** WQ021715:1220 FRW3

**York Sample ID:** 15B0512-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0512

Rowe Industries

Water

February 17, 2015 12:20 pm

02/18/2015

**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	02/23/2015 08:39	02/23/2015 17:54	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>29</b>		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
98-82-8	<b>Isopropylbenzene</b>	<b>1.1</b>		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
103-65-1	<b>n-Propylbenzene</b>	<b>0.54</b>		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>73</b>		ug/L	2.0	5.0	10	EPA 8260C	02/23/2015 08:39	02/25/2015 13:51	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
79-01-6	<b>Trichloroethylene</b>	<b>7.4</b>		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
75-01-4	<b>Vinyl Chloride</b>	<b>0.28</b>	J	ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/23/2015 08:39	02/23/2015 17:54	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	95.4 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122								
2037-26-5	Surrogate: Toluene-d8	112 %	81-117								



### Sample Information

**Client Sample ID:** WQ021715:1225 FRW4

**York Sample ID:** 15B0512-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0512

Rowe Industries

Water

February 17, 2015 12:25 pm

02/18/2015

**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	02/23/2015 08:39	02/23/2015 18:49	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS



### Sample Information

**Client Sample ID:** WQ021715:1225 FRW4

**York Sample ID:** 15B0512-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15B0512

Rowe Industries

Water

February 17, 2015 12:25 pm

02/18/2015

**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	02/23/2015 08:39	02/23/2015 18:49	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>0.72</b>		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>8.6</b>		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
79-01-6	<b>Trichloroethylene</b>	<b>0.57</b>		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/23/2015 08:39	02/23/2015 18:49	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.6 %			69-130						
460-00-4	Surrogate: p-Bromofluorobenzene	103 %			79-122						
2037-26-5	Surrogate: Toluene-d8	106 %			81-117						



## Analytical Batch Summary

**Batch ID:** BB50985

**Preparation Method:** EPA 5030B

**Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date
15B0512-02	WQ021715:1210 FRW1	02/23/15
15B0512-03	WQ021715:1215 FRW2	02/23/15
15B0512-04	WQ021715:1220 FRW3	02/23/15
15B0512-05	WQ021715:1225 FRW4	02/23/15
BB50985-BLK1	Blank	02/23/15
BB50985-BS1	LCS	02/23/15
BB50985-BSD1	LCS Dup	02/23/15
BB50985-MS1	Matrix Spike	02/23/15
BB50985-MSD1	Matrix Spike Dup	02/23/15

**Batch ID:** BB51083

**Preparation Method:** EPA 5030B

**Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15B0512-01	WQ021715:1200 NP1-1-2	02/25/15
15B0512-02RE1	WQ021715:1210 FRW1	02/25/15
15B0512-04RE1	WQ021715:1220 FRW3	02/25/15
BB51083-BLK1	Blank	02/25/15
BB51083-BS1	LCS	02/25/15
BB51083-BSD1	LCS Dup	02/25/15



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

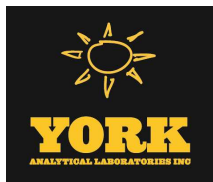
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BB50985 - EPA 5030B**

**Blank (BB50985-BLK1)**

Prepared & Analyzed: 02/23/2015

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	0.59	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.48	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	0.35	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 BB50985 - EPA 5030B**

**Blank (BB50985-BLK1)**

Prepared & Analyzed: 02/23/2015

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>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>		<i>69-130</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>		<i>79-122</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.67</i>		<i>"</i>	<i>10.0</i>		<i>96.7</i>		<i>81-117</i>			

**LCS (BB50985-BS1)**

Prepared & Analyzed: 02/23/2015

1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102		82-126			
1,1,1-Trichloroethane	10.3		"	10.0		103		78-136			
1,1,2,2-Tetrachloroethane	9.60		"	10.0		96.0		76-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.75		"	10.0		97.5		54-165			
1,1,2-Trichloroethane	9.76		"	10.0		97.6		82-123			
1,1-Dichloroethane	9.63		"	10.0		96.3		82-129			
1,1-Dichloroethylene	9.74		"	10.0		97.4		68-138			
1,1-Dichloropropylene	10.1		"	10.0		101		83-133			
1,2,3-Trichlorobenzene	10.6		"	10.0		106		76-136			
1,2,3-Trichloropropane	9.63		"	10.0		96.3		77-128			
1,2,4-Trichlorobenzene	10.8		"	10.0		108		76-137			
1,2,4-Trimethylbenzene	10.4		"	10.0		104		82-132			
1,2-Dibromo-3-chloropropane	13.7		"	10.0		137		45-147			
1,2-Dibromoethane	9.73		"	10.0		97.3		83-124			
1,2-Dichlorobenzene	11.7		"	10.0		117		79-123			
1,2-Dichloroethane	9.48		"	10.0		94.8		73-132			
1,2-Dichloropropane	9.94		"	10.0		99.4		78-126			
1,3,5-Trimethylbenzene	10.3		"	10.0		103		80-131			
1,3-Dichlorobenzene	10.0		"	10.0		100		86-122			
1,3-Dichloropropane	9.58		"	10.0		95.8		81-125			
1,4-Dichlorobenzene	10.1		"	10.0		101		85-124			
2,2-Dichloropropane	11.9		"	10.0		119		56-150			
2-Chlorotoluene	10.1		"	10.0		101		79-130			
2-Hexanone	9.78		"	10.0		97.8		51-146			
4-Chlorotoluene	10.0		"	10.0		100		79-128			
Acetone	5.70		"	10.0		57.0		14-150			
Benzene	9.82		"	10.0		98.2		85-126			
Bromobenzene	10.2		"	10.0		102		78-129			
Bromochloromethane	9.28		"	10.0		92.8		77-128			
Bromodichloromethane	10.2		"	10.0		102		79-128			
Bromoform	10.8		"	10.0		108		78-133			
Bromomethane	11.8		"	10.0		118		43-168			
Carbon tetrachloride	10.3		"	10.0		103		77-141			
Chlorobenzene	9.90		"	10.0		99.0		88-120			



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

**York Analytical Laboratories, Inc.**

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

**Batch BB50985 - EPA 5030B**

**LCS (BB50985-BS1)**

Prepared & Analyzed: 02/23/2015

Chloroethane	8.97		ug/L	10.0		89.7	65-136				
Chloroform	9.83		"	10.0		98.3	82-128				
Chloromethane	8.88		"	10.0		88.8	43-155				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131				
Dibromochloromethane	10.1		"	10.0		101	80-130				
Dibromomethane	10.2		"	10.0		102	72-134				
Dichlorodifluoromethane	7.61		"	10.0		76.1	44-144				
Ethyl Benzene	10.1		"	10.0		101	80-131				
Hexachlorobutadiene	10.8		"	10.0		108	67-146				
Isopropylbenzene	10.5		"	10.0		105	76-140				
Methyl tert-butyl ether (MTBE)	9.54		"	10.0		95.4	76-135				
Methylene chloride	8.49		"	10.0		84.9	55-137				
Naphthalene	10.7		"	10.0		107	70-147				
n-Butylbenzene	10.6		"	10.0		106	79-132				
n-Propylbenzene	10.4		"	10.0		104	78-133				
o-Xylene	10.0		"	10.0		100	78-130				
p- & m- Xylenes	20.0		"	20.0		99.8	77-133				
p-Isopropyltoluene	10.6		"	10.0		106	81-136				
sec-Butylbenzene	10.6		"	10.0		106	79-137				
Styrene	10.0		"	10.0		100	67-132				
tert-Butylbenzene	10.6		"	10.0		106	77-138				
Tetrachloroethylene	10.4		"	10.0		104	82-131				
Toluene	9.75		"	10.0		97.5	80-127				
trans-1,2-Dichloroethylene	9.76		"	10.0		97.6	80-132				
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131				
Trichloroethylene	10.2		"	10.0		102	82-128				
Trichlorofluoromethane	9.94		"	10.0		99.4	67-139				
Vinyl Chloride	9.68		"	10.0		96.8	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.68</i>		<i>"</i>	<i>10.0</i>		<i>96.8</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.98</i>		<i>"</i>	<i>10.0</i>		<i>99.8</i>	<i>81-117</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 BB50985 - EPA 5030B</b>											
<b>LCS Dup (BB50985-BSD1)</b>											
Prepared & Analyzed: 02/23/2015											
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126		4.80	30	
1,1,1-Trichloroethane	10.6		"	10.0		106	78-136		2.40	30	
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129		7.23	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	54-165		11.2	30	
1,1,2-Trichloroethane	10.1		"	10.0		101	82-123		3.42	30	
1,1-Dichloroethane	10.1		"	10.0		101	82-129		5.06	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		6.36	30	
1,1-Dichloropropylene	10.5		"	10.0		105	83-133		3.39	30	
1,2,3-Trichlorobenzene	11.3		"	10.0		113	76-136		6.28	30	
1,2,3-Trichloropropane	10.8		"	10.0		108	77-128		11.3	30	
1,2,4-Trichlorobenzene	11.3		"	10.0		113	76-137		4.80	30	
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132		0.481	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	45-147		28.9	30	
1,2-Dibromoethane	10.2		"	10.0		102	83-124		4.32	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123		11.7	30	
1,2-Dichloroethane	10.1		"	10.0		101	73-132		5.94	30	
1,2-Dichloropropane	9.92		"	10.0		99.2	78-126		0.201	30	
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131		1.83	30	
1,3-Dichlorobenzene	10.5		"	10.0		105	86-122		4.48	30	
1,3-Dichloropropane	10.2		"	10.0		102	81-125		5.88	30	
1,4-Dichlorobenzene	10.4		"	10.0		104	85-124		3.12	30	
2,2-Dichloropropane	12.0		"	10.0		120	56-150		0.668	30	
2-Chlorotoluene	10.5		"	10.0		105	79-130		3.11	30	
2-Hexanone	11.6		"	10.0		116	51-146		16.6	30	
4-Chlorotoluene	10.1		"	10.0		101	79-128		0.893	30	
Acetone	6.71		"	10.0		67.1	14-150		16.3	30	
Benzene	9.99		"	10.0		99.9	85-126		1.72	30	
Bromobenzene	10.3		"	10.0		103	78-129		1.46	30	
Bromochloromethane	9.70		"	10.0		97.0	77-128		4.43	30	
Bromodichloromethane	10.5		"	10.0		105	79-128		3.10	30	
Bromoform	11.2		"	10.0		112	78-133		3.55	30	
Bromomethane	11.9		"	10.0		119	43-168		0.421	30	
Carbon tetrachloride	10.9		"	10.0		109	77-141		5.94	30	
Chlorobenzene	10.1		"	10.0		101	88-120		2.40	30	
Chloroethane	9.46		"	10.0		94.6	65-136		5.32	30	
Chloroform	10.0		"	10.0		100	82-128		2.01	30	
Chloromethane	8.86		"	10.0		88.6	43-155		0.225	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		1.36	30	
cis-1,3-Dichloropropylene	10.7		"	10.0		107	80-131		1.51	30	
Dibromochloromethane	10.8		"	10.0		108	80-130		6.59	30	
Dibromomethane	10.5		"	10.0		105	72-134		3.19	30	
Dichlorodifluoromethane	8.30		"	10.0		83.0	44-144		8.67	30	
Ethyl Benzene	10.3		"	10.0		103	80-131		1.86	30	
Hexachlorobutadiene	11.5		"	10.0		115	67-146		5.47	30	
Isopropylbenzene	10.6		"	10.0		106	76-140		1.23	30	
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	76-135		9.87	30	
Methylene chloride	8.93		"	10.0		89.3	55-137		5.05	30	
Naphthalene	11.4		"	10.0		114	70-147		6.70	30	
n-Butylbenzene	10.9		"	10.0		109	79-132		3.26	30	
n-Propylbenzene	10.5		"	10.0		105	78-133		0.670	30	
o-Xylene	10.2		"	10.0		102	78-130		1.87	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 BB50985 - EPA 5030B

LCS Dup (BB50985-BSD1)

Prepared & Analyzed: 02/23/2015

p- & m- Xylenes	20.4		ug/L	20.0		102	77-133		2.13	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		2.52	30	
sec-Butylbenzene	10.9		"	10.0		109	79-137		3.26	30	
Styrene	10.5		"	10.0		105	67-132		4.57	30	
tert-Butylbenzene	10.7		"	10.0		107	77-138		1.04	30	
Tetrachloroethylene	10.9		"	10.0		109	82-131		5.17	30	
Toluene	9.92		"	10.0		99.2	80-127		1.73	30	
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132		2.43	30	
trans-1,3-Dichloropropylene	11.1		"	10.0		111	78-131		3.96	30	
Trichloroethylene	10.4		"	10.0		104	82-128		1.75	30	
Trichlorofluoromethane	10.6		"	10.0		106	67-139		6.33	30	
Vinyl Chloride	9.86		"	10.0		98.6	58-145		1.84	30	
Surrogate: 1,2-Dichloroethane-d4	9.81		"	10.0		98.1	69-130				
Surrogate: p-Bromofluorobenzene	9.77		"	10.0		97.7	79-122				
Surrogate: Toluene-d8	9.84		"	10.0		98.4	81-117				

Matrix Spike (BB50985-MS1)

\*Source sample: 15B0512-01 (WQ021715:1200 NP1-1-2)

Prepared & Analyzed: 02/23/2015

1,1,1,2-Tetrachloroethane	20.3		ug/L	10.0	ND	203	45-161	High Bias			
1,1,1-Trichloroethane	19.8		"	10.0	ND	198	70-146	High Bias			
1,1,2,2-Tetrachloroethane	19.0		"	10.0	ND	190	74-121	High Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	16.6		"	10.0	ND	166	21-217				
1,1,2-Trichloroethane	20.0		"	10.0	ND	200	59-146	High Bias			
1,1-Dichloroethane	19.7		"	10.0	ND	197	54-146	High Bias			
1,1-Dichloroethylene	18.6		"	10.0	ND	186	44-165	High Bias			
1,1-Dichloropropylene	19.3		"	10.0	ND	193	82-134	High Bias			
1,2,3-Trichlorobenzene	19.9		"	10.0	ND	199	40-161	High Bias			
1,2,3-Trichloropropane	18.9		"	10.0	ND	189	74-127	High Bias			
1,2,4-Trichlorobenzene	19.2		"	10.0	ND	192	41-161	High Bias			
1,2,4-Trimethylbenzene	18.2		"	10.0	ND	182	72-129	High Bias			
1,2-Dibromo-3-chloropropane	27.0		"	10.0	ND	270	31-151	High Bias			
1,2-Dibromoethane	20.2		"	10.0	ND	202	75-125	High Bias			
1,2-Dichlorobenzene	19.1		"	10.0	ND	191	63-122	High Bias			
1,2-Dichloroethane	20.8		"	10.0	ND	208	68-131	High Bias			
1,2-Dichloropropane	18.7		"	10.0	ND	187	77-121	High Bias			
1,3,5-Trimethylbenzene	18.3		"	10.0	ND	183	69-126	High Bias			
1,3-Dichlorobenzene	18.4		"	10.0	ND	184	74-119	High Bias			
1,3-Dichloropropane	19.9		"	10.0	ND	199	77-119	High Bias			
1,4-Dichlorobenzene	18.4		"	10.0	ND	184	70-124	High Bias			
2,2-Dichloropropane	15.4		"	10.0	ND	154	10-160				
2-Chlorotoluene	18.4		"	10.0	ND	184	70-126	High Bias			
2-Hexanone	21.3		"	10.0	ND	213	53-133	High Bias			
4-Chlorotoluene	18.1		"	10.0	ND	181	69-124	High Bias			
Acetone	10.6		"	10.0	ND	106	13-149				
Benzene	19.7		"	10.0	ND	197	38-155	High Bias			
Bromobenzene	19.0		"	10.0	ND	190	72-122	High Bias			
Bromochloromethane	20.0		"	10.0	ND	200	75-121	High Bias			
Bromodichloromethane	20.4		"	10.0	ND	204	70-129	High Bias			
Bromoform	22.5		"	10.0	ND	225	66-136	High Bias			
Bromomethane	19.4		"	10.0	ND	194	30-158	High Bias			
Carbon tetrachloride	19.4		"	10.0	ND	194	71-146	High Bias			
Chlorobenzene	18.8		"	10.0	ND	188	81-117	High Bias			
Chloroethane	16.3		"	10.0	ND	163	51-145	High Bias			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB50985 - EPA 5030B

Matrix Spike (BB50985-MS1)	*Source sample: 15B0512-01 (WQ021715:1200 NP1-1-2)						Prepared & Analyzed: 02/23/2015						
Chloroform	20.4		ug/L	10.0	ND	204	80-124		High Bias				
Chloromethane	13.6		"	10.0	ND	136	16-163						
cis-1,2-Dichloroethylene	19.9		"	10.0	ND	199	76-125		High Bias				
cis-1,3-Dichloropropylene	19.6		"	10.0	ND	196	58-131		High Bias				
Dibromochloromethane	21.7		"	10.0	ND	217	71-129		High Bias				
Dibromomethane	20.7		"	10.0	ND	207	76-120		High Bias				
Dichlorodifluoromethane	11.7		"	10.0	ND	117	30-147						
Ethyl Benzene	18.8		"	10.0	ND	188	72-128		High Bias				
Hexachlorobutadiene	17.6		"	10.0	ND	176	34-166		High Bias				
Isopropylbenzene	18.3		"	10.0	ND	183	66-139		High Bias				
Methyl tert-butyl ether (MTBE)	22.1		"	10.0	ND	221	75-128		High Bias				
Methylene chloride	17.1		"	10.0	ND	171	57-128		High Bias				
Naphthalene	21.6		"	10.0	ND	216	39-158		High Bias				
n-Butylbenzene	17.8		"	10.0	ND	178	61-138		High Bias				
n-Propylbenzene	17.9		"	10.0	ND	179	66-134		High Bias				
o-Xylene	19.2		"	10.0	ND	192	69-126		High Bias				
p- & m- Xylenes	37.0		"	20.0	0.290	184	67-130		High Bias				
p-Isopropyltoluene	18.4		"	10.0	ND	184	64-137		High Bias				
sec-Butylbenzene	18.3		"	10.0	ND	183	53-155		High Bias				
Styrene	19.8		"	10.0	ND	198	69-125		High Bias				
tert-Butylbenzene	18.6		"	10.0	ND	186	65-139		High Bias				
Tetrachloroethylene	18.7		"	10.0	0.470	183	64-139		High Bias				
Toluene	18.3		"	10.0	ND	183	76-123		High Bias				
trans-1,2-Dichloroethylene	19.6		"	10.0	ND	196	79-131		High Bias				
trans-1,3-Dichloropropylene	20.3		"	10.0	ND	203	55-130		High Bias				
Trichloroethylene	18.9		"	10.0	0.430	185	53-145		High Bias				
Trichlorofluoromethane	15.4		"	10.0	ND	154	61-142		High Bias				
Vinyl Chloride	16.3		"	10.0	ND	163	31-165						
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130						
Surrogate: p-Bromofluorobenzene	9.67		"	10.0		96.7	79-122						
Surrogate: Toluene-d8	9.73		"	10.0		97.3	81-117						



**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 BB50985 - EPA 5030B</b>											
<b>Matrix Spike Dup (BB50985-MSD1)</b>	*Source sample: 15B0512-01 (WQ021715:1200 NP1-1-2)					Prepared & Analyzed: 02/23/2015					
1,1,1,2-Tetrachloroethane	21.5		ug/L	10.0	ND	215	45-161	High Bias	5.93	30	
1,1,1-Trichloroethane	20.8		"	10.0	ND	208	70-146	High Bias	5.17	30	
1,1,2,2-Tetrachloroethane	20.1		"	10.0	ND	201	74-121	High Bias	5.77	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	17.3		"	10.0	ND	173	21-217		4.06	30	
1,1,2-Trichloroethane	21.2		"	10.0	ND	212	59-146	High Bias	5.87	30	
1,1-Dichloroethane	20.4		"	10.0	ND	204	54-146	High Bias	3.29	30	
1,1-Dichloroethylene	19.3		"	10.0	ND	193	44-165	High Bias	3.91	30	
1,1-Dichloropropylene	19.6		"	10.0	ND	196	82-134	High Bias	1.59	30	
1,2,3-Trichlorobenzene	21.1		"	10.0	ND	211	40-161	High Bias	5.80	30	
1,2,3-Trichloropropane	20.1		"	10.0	ND	201	74-127	High Bias	6.09	30	
1,2,4-Trichlorobenzene	20.1		"	10.0	ND	201	41-161	High Bias	4.73	30	
1,2,4-Trimethylbenzene	18.9		"	10.0	ND	189	72-129	High Bias	3.93	30	
1,2-Dibromo-3-chloropropane	21.6		"	10.0	ND	216	31-151	High Bias	22.2	30	
1,2-Dibromoethane	21.4		"	10.0	ND	214	75-125	High Bias	5.73	30	
1,2-Dichlorobenzene	22.1		"	10.0	ND	221	63-122	High Bias	14.4	30	
1,2-Dichloroethane	21.7		"	10.0	ND	217	68-131	High Bias	4.14	30	
1,2-Dichloropropane	19.8		"	10.0	ND	198	77-121	High Bias	5.55	30	
1,3,5-Trimethylbenzene	18.9		"	10.0	ND	189	69-126	High Bias	3.17	30	
1,3-Dichlorobenzene	19.0		"	10.0	ND	190	74-119	High Bias	3.48	30	
1,3-Dichloropropane	20.9		"	10.0	ND	209	77-119	High Bias	4.75	30	
1,4-Dichlorobenzene	19.0		"	10.0	ND	190	70-124	High Bias	3.26	30	
2,2-Dichloropropane	16.0		"	10.0	ND	160	10-160		3.82	30	
2-Chlorotoluene	19.1		"	10.0	ND	191	70-126	High Bias	3.89	30	
2-Hexanone	22.4		"	10.0	ND	224	53-133	High Bias	5.03	30	
4-Chlorotoluene	18.9		"	10.0	ND	189	69-124	High Bias	4.43	30	
Acetone	11.2		"	10.0	ND	112	13-149		6.05	30	
Benzene	20.3		"	10.0	ND	203	38-155	High Bias	3.05	30	
Bromobenzene	19.8		"	10.0	ND	198	72-122	High Bias	4.12	30	
Bromochloromethane	20.5		"	10.0	ND	205	75-121	High Bias	2.57	30	
Bromodichloromethane	21.2		"	10.0	ND	212	70-129	High Bias	4.04	30	
Bromoform	23.6		"	10.0	ND	236	66-136	High Bias	5.03	30	
Bromomethane	20.3		"	10.0	ND	203	30-158	High Bias	4.59	30	
Carbon tetrachloride	20.2		"	10.0	ND	202	71-146	High Bias	4.04	30	
Chlorobenzene	19.7		"	10.0	ND	197	81-117	High Bias	4.78	30	
Chloroethane	16.9		"	10.0	ND	169	51-145	High Bias	3.32	30	
Chloroform	20.7		"	10.0	ND	207	80-124	High Bias	1.65	30	
Chloromethane	14.7		"	10.0	ND	147	16-163		8.12	30	
cis-1,2-Dichloroethylene	20.4		"	10.0	ND	204	76-125	High Bias	2.43	30	
cis-1,3-Dichloropropylene	20.6		"	10.0	ND	206	58-131	High Bias	4.97	30	
Dibromochloromethane	22.6		"	10.0	ND	226	71-129	High Bias	4.20	30	
Dibromomethane	21.3		"	10.0	ND	213	76-120	High Bias	2.80	30	
Dichlorodifluoromethane	12.4		"	10.0	ND	124	30-147		5.64	30	
Ethyl Benzene	19.6		"	10.0	ND	196	72-128	High Bias	4.06	30	
Hexachlorobutadiene	18.3		"	10.0	ND	183	34-166	High Bias	3.90	30	
Isopropylbenzene	18.9		"	10.0	ND	189	66-139	High Bias	3.23	30	
Methyl tert-butyl ether (MTBE)	22.8		"	10.0	ND	228	75-128	High Bias	3.25	30	
Methylene chloride	17.7		"	10.0	ND	177	57-128	High Bias	3.10	30	
Naphthalene	22.5		"	10.0	ND	225	39-158	High Bias	3.89	30	
n-Butylbenzene	18.4		"	10.0	ND	184	61-138	High Bias	3.04	30	
n-Propylbenzene	18.3		"	10.0	ND	183	66-134	High Bias	2.43	30	
o-Xylene	20.1		"	10.0	ND	201	69-126	High Bias	4.78	30	



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

**York Analytical Laboratories, Inc.**

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

**Batch BB50985 - EPA 5030B**

<b>Matrix Spike Dup (BB50985-MSD1)</b>	<b>*Source sample: 15B0512-01 (WQ021715:1200 NP1-1-2)</b>					<b>Prepared &amp; Analyzed: 02/23/2015</b>				
p- & m- Xylenes	38.7		ug/L	20.0	0.290	192	67-130	High Bias	4.54	30
p-Isopropyltoluene	18.9		"	10.0	ND	189	64-137	High Bias	2.95	30
sec-Butylbenzene	18.8		"	10.0	ND	188	53-155	High Bias	2.70	30
Styrene	21.0		"	10.0	ND	210	69-125	High Bias	5.39	30
tert-Butylbenzene	19.3		"	10.0	ND	193	65-139	High Bias	3.38	30
Tetrachloroethylene	19.4		"	10.0	0.470	190	64-139	High Bias	3.72	30
Toluene	19.0		"	10.0	ND	190	76-123	High Bias	3.70	30
trans-1,2-Dichloroethylene	20.4		"	10.0	ND	204	79-131	High Bias	3.70	30
trans-1,3-Dichloropropylene	21.5		"	10.0	ND	215	55-130	High Bias	5.55	30
Trichloroethylene	19.9		"	10.0	0.430	195	53-145	High Bias	5.41	30
Trichlorofluoromethane	15.9		"	10.0	ND	159	61-142	High Bias	3.71	30
Vinyl Chloride	17.0		"	10.0	ND	170	31-165	High Bias	4.50	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>	<i>69-130</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.47</i>		<i>"</i>	<i>10.0</i>		<i>94.7</i>	<i>79-122</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.76</i>		<i>"</i>	<i>10.0</i>		<i>97.6</i>	<i>81-117</i>			

**Batch BB51083 - EPA 5030B**

<b>Blank (BB51083-BLK1)</b>	<b>Prepared &amp; Analyzed: 02/25/2015</b>									
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	0.80	0.50	"							
1,2,3-Trichloropropane	ND	0.50	"							
1,2,4-Trichlorobenzene	0.59	0.50	"							
1,2,4-Trimethylbenzene	0.28	0.50	"							
1,2-Dibromo-3-chloropropane	ND	0.50	"							
1,2-Dibromoethane	ND	0.50	"							
1,2-Dichlorobenzene	0.22	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dichloropropane	ND	0.50	"							
1,3,5-Trimethylbenzene	ND	0.50	"							
1,3-Dichlorobenzene	0.21	0.50	"							
1,3-Dichloropropane	ND	0.50	"							
1,4-Dichlorobenzene	0.20	0.50	"							
2,2-Dichloropropane	ND	0.50	"							
2-Chlorotoluene	ND	0.50	"							
2-Hexanone	ND	0.50	"							
4-Chlorotoluene	ND	0.50	"							
Acetone	1.4	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 BB51083 - EPA 5030B**

**Blank (BB51083-BLK1)**

Prepared & Analyzed: 02/25/2015

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	0.22	0.50	"								
Hexachlorobutadiene	0.52	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	1.1	2.0	"								
n-Butylbenzene	0.33	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	0.22	0.50	"								
p- & m- Xylenes	0.55	1.0	"								
p-Isopropyltoluene	0.24	0.50	"								
sec-Butylbenzene	0.23	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	0.21	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	0.77	1.5	"								
<hr/>											
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.98		"	10.0		99.8		69-130			
<i>Surrogate: p-Bromofluorobenzene</i>	10.7		"	10.0		107		79-122			
<i>Surrogate: Toluene-d8</i>	9.76		"	10.0		97.6		81-117			



**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

**Batch BB51083 - EPA 5030B**

**LCS (BB51083-BS1)**

Prepared & Analyzed: 02/25/2015

1,1,1,2-Tetrachloroethane	8.77		ug/L	10.0		87.7	82-126			
1,1,1-Trichloroethane	8.98		"	10.0		89.8	78-136			
1,1,2,2-Tetrachloroethane	8.66		"	10.0		86.6	76-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.88		"	10.0		88.8	54-165			
1,1,2-Trichloroethane	8.65		"	10.0		86.5	82-123			
1,1-Dichloroethane	8.71		"	10.0		87.1	82-129			
1,1-Dichloroethylene	8.93		"	10.0		89.3	68-138			
1,1-Dichloropropylene	8.92		"	10.0		89.2	83-133			
1,2,3-Trichlorobenzene	8.92		"	10.0		89.2	76-136			
1,2,3-Trichloropropane	8.81		"	10.0		88.1	77-128			
1,2,4-Trichlorobenzene	8.88		"	10.0		88.8	76-137			
1,2,4-Trimethylbenzene	8.86		"	10.0		88.6	82-132			
1,2-Dibromo-3-chloropropane	12.4		"	10.0		124	45-147			
1,2-Dibromoethane	8.58		"	10.0		85.8	83-124			
1,2-Dichlorobenzene	8.77		"	10.0		87.7	79-123			
1,2-Dichloroethane	8.54		"	10.0		85.4	73-132			
1,2-Dichloropropane	8.33		"	10.0		83.3	78-126			
1,3,5-Trimethylbenzene	8.73		"	10.0		87.3	80-131			
1,3-Dichlorobenzene	8.75		"	10.0		87.5	86-122			
1,3-Dichloropropane	8.45		"	10.0		84.5	81-125			
1,4-Dichlorobenzene	8.72		"	10.0		87.2	85-124			
2,2-Dichloropropane	10.4		"	10.0		104	56-150			
2-Chlorotoluene	8.74		"	10.0		87.4	79-130			
2-Hexanone	9.87		"	10.0		98.7	51-146			
4-Chlorotoluene	8.67		"	10.0		86.7	79-128			
Acetone	6.39		"	10.0		63.9	14-150			
Benzene	8.62		"	10.0		86.2	85-126			
Bromobenzene	8.79		"	10.0		87.9	78-129			
Bromochloromethane	8.33		"	10.0		83.3	77-128			
Bromodichloromethane	8.82		"	10.0		88.2	79-128			
Bromoform	9.31		"	10.0		93.1	78-133			
Bromomethane	10.5		"	10.0		105	43-168			
Carbon tetrachloride	8.96		"	10.0		89.6	77-141			
Chlorobenzene	8.60		"	10.0		86.0	88-120	Low Bias		
Chloroethane	7.45		"	10.0		74.5	65-136			
Chloroform	8.62		"	10.0		86.2	82-128			
Chloromethane	7.24		"	10.0		72.4	43-155			
cis-1,2-Dichloroethylene	9.00		"	10.0		90.0	83-129			
cis-1,3-Dichloropropylene	9.32		"	10.0		93.2	80-131			
Dibromochloromethane	8.90		"	10.0		89.0	80-130			
Dibromomethane	8.86		"	10.0		88.6	72-134			
Dichlorodifluoromethane	8.86		"	10.0		88.6	44-144			
Ethyl Benzene	8.68		"	10.0		86.8	80-131			
Hexachlorobutadiene	8.95		"	10.0		89.5	67-146			
Isopropylbenzene	8.93		"	10.0		89.3	76-140			
Methyl tert-butyl ether (MTBE)	8.97		"	10.0		89.7	76-135			
Methylene chloride	7.57		"	10.0		75.7	55-137			
Naphthalene	9.28		"	10.0		92.8	70-147			
n-Butylbenzene	8.95		"	10.0		89.5	79-132			
n-Propylbenzene	8.78		"	10.0		87.8	78-133			
o-Xylene	8.78		"	10.0		87.8	78-130			



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BB51083 - EPA 5030B**

**LCS (BB51083-BS1)**

Prepared & Analyzed: 02/25/2015

p- & m- Xylenes	17.3		ug/L	20.0		86.6	77-133				
p-Isopropyltoluene	8.98		"	10.0		89.8	81-136				
sec-Butylbenzene	8.95		"	10.0		89.5	79-137				
Styrene	8.65		"	10.0		86.5	67-132				
tert-Butylbenzene	8.76		"	10.0		87.6	77-138				
Tetrachloroethylene	8.95		"	10.0		89.5	82-131				
Toluene	8.58		"	10.0		85.8	80-127				
trans-1,2-Dichloroethylene	8.60		"	10.0		86.0	80-132				
trans-1,3-Dichloropropylene	9.25		"	10.0		92.5	78-131				
Trichloroethylene	8.59		"	10.0		85.9	82-128				
Trichlorofluoromethane	8.80		"	10.0		88.0	67-139				
Vinyl Chloride	8.93		"	10.0		89.3	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.71</i>		<i>"</i>	<i>10.0</i>		<i>97.1</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.97</i>		<i>"</i>	<i>10.0</i>		<i>99.7</i>	<i>81-117</i>				

**LCS Dup (BB51083-BSD1)**

Prepared & Analyzed: 02/25/2015

1,1,1,2-Tetrachloroethane	9.76		ug/L	10.0		97.6	82-126		10.7	30	
1,1,1-Trichloroethane	10.5		"	10.0		105	78-136		15.4	30	
1,1,2,2-Tetrachloroethane	8.98		"	10.0		89.8	76-129		3.63	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	54-165		17.4	30	
1,1,2-Trichloroethane	9.22		"	10.0		92.2	82-123		6.38	30	
1,1-Dichloroethane	10.1		"	10.0		101	82-129		14.8	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		15.1	30	
1,1-Dichloropropylene	10.2		"	10.0		102	83-133		13.5	30	
1,2,3-Trichlorobenzene	9.14		"	10.0		91.4	76-136		2.44	30	
1,2,3-Trichloropropane	9.34		"	10.0		93.4	77-128		5.84	30	
1,2,4-Trichlorobenzene	9.47		"	10.0		94.7	76-137		6.43	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		14.1	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	45-147		20.0	30	
1,2-Dibromoethane	9.09		"	10.0		90.9	83-124		5.77	30	
1,2-Dichlorobenzene	9.57		"	10.0		95.7	79-123		8.72	30	
1,2-Dichloroethane	9.80		"	10.0		98.0	73-132		13.7	30	
1,2-Dichloropropane	9.51		"	10.0		95.1	78-126		13.2	30	
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131		14.4	30	
1,3-Dichlorobenzene	9.70		"	10.0		97.0	86-122		10.3	30	
1,3-Dichloropropane	9.27		"	10.0		92.7	81-125		9.26	30	
1,4-Dichlorobenzene	9.77		"	10.0		97.7	85-124		11.4	30	
2,2-Dichloropropane	12.1		"	10.0		121	56-150		14.7	30	
2-Chlorotoluene	10.1		"	10.0		101	79-130		14.0	30	
2-Hexanone	8.90		"	10.0		89.0	51-146		10.3	30	
4-Chlorotoluene	9.91		"	10.0		99.1	79-128		13.3	30	
Acetone	4.65		"	10.0		46.5	14-150		31.5	30	Non-dir.
Benzene	10.3		"	10.0		103	85-126		17.4	30	
Bromobenzene	9.83		"	10.0		98.3	78-129		11.2	30	
Bromochloromethane	9.32		"	10.0		93.2	77-128		11.2	30	
Bromodichloromethane	9.83		"	10.0		98.3	79-128		10.8	30	
Bromoform	9.52		"	10.0		95.2	78-133		2.23	30	
Bromomethane	11.5		"	10.0		115	43-168		8.80	30	
Carbon tetrachloride	10.7		"	10.0		107	77-141		18.1	30	
Chlorobenzene	9.56		"	10.0		95.6	88-120		10.6	30	
Chloroethane	9.37		"	10.0		93.7	65-136		22.8	30	



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

**York Analytical Laboratories, Inc.**

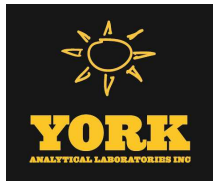
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BB51083 - EPA 5030B**

**LCS Dup (BB51083-BSD1)**

Prepared & Analyzed: 02/25/2015

Chloroform	10.2		ug/L	10.0		102	82-128		16.6	30	
Chloromethane	8.67		"	10.0		86.7	43-155		18.0	30	
cis-1,2-Dichloroethylene	10.5		"	10.0		105	83-129		15.6	30	
cis-1,3-Dichloropropylene	9.89		"	10.0		98.9	80-131		5.93	30	
Dibromochloromethane	9.83		"	10.0		98.3	80-130		9.93	30	
Dibromomethane	9.75		"	10.0		97.5	72-134		9.56	30	
Dichlorodifluoromethane	10.0		"	10.0		100	44-144		12.6	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		14.1	30	
Hexachlorobutadiene	9.47		"	10.0		94.7	67-146		5.65	30	
Isopropylbenzene	10.3		"	10.0		103	76-140		13.9	30	
Methyl tert-butyl ether (MTBE)	9.62		"	10.0		96.2	76-135		6.99	30	
Methylene chloride	8.69		"	10.0		86.9	55-137		13.8	30	
Naphthalene	9.18		"	10.0		91.8	70-147		1.08	30	
n-Butylbenzene	10.1		"	10.0		101	79-132		11.9	30	
n-Propylbenzene	10.1		"	10.0		101	78-133		14.3	30	
o-Xylene	9.86		"	10.0		98.6	78-130		11.6	30	
p- & m- Xylenes	19.6		"	20.0		97.8	77-133		12.3	30	
p-Isopropyltoluene	10.1		"	10.0		101	81-136		12.1	30	
sec-Butylbenzene	10.3		"	10.0		103	79-137		13.8	30	
Styrene	9.86		"	10.0		98.6	67-132		13.1	30	
tert-Butylbenzene	10.1		"	10.0		101	77-138		14.3	30	
Tetrachloroethylene	10.2		"	10.0		102	82-131		12.8	30	
Toluene	9.79		"	10.0		97.9	80-127		13.2	30	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132		18.9	30	
trans-1,3-Dichloropropylene	9.89		"	10.0		98.9	78-131		6.69	30	
Trichloroethylene	9.85		"	10.0		98.5	82-128		13.7	30	
Trichlorofluoromethane	9.93		"	10.0		99.3	67-139		12.1	30	
Vinyl Chloride	10.6		"	10.0		106	58-145		16.9	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.41</i>		<i>"</i>	<i>10.0</i>		<i>94.1</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>81-117</i>				



### Volatile Analysis Sample Containers

<b>Lab ID</b>	<b>Client Sample ID</b>	<b>Volatile Sample Container</b>
15B0512-01	WQ021715:1200 NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15B0512-02	WQ021715:1210 FRW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15B0512-03	WQ021715:1215 FRW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15B0512-04	WQ021715:1220 FRW3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15B0512-05	WQ021715:1225 FRW4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Notes and Definitions

- QM-D A doubled spike volume was added to this sample.
- 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.

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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.

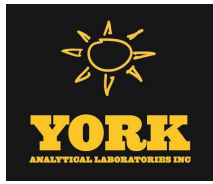
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For 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.



# 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. 15B052

<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>Tunde Sandor</u> E-Mail Address: <u>T.Sandor@188ct.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> YOUR Project ID: <u>Rowe Industries</u> Purchase Order No.: <u>MAB5A6</u> Samples from: CT <u>NY</u> X NJ <u>X</u>		<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 CT RCP DOA/DUE Pkg NY ASP A Package NY ASP B Package <u>X</u> pdf NJ DEP Red. Deliv. Electronic Data Deliverables (EDD)	
---	--	---	--	--	--	--	--	--	--	--	--

**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.**

Matrix Codes  
 S - soil  
 Other - specify (al, etc.)  
 WW - wastewater  
 GW - groundwater  
 DW - drinking water  
 Air-A - ambient air  
 Air-SV - soil vapor

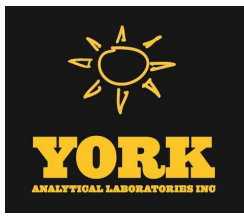
Samples Collected/Authorized By (Signature)  
STEPHEN HUNT  
 Name (printed)

Volatiles	Semi-Volatiles	Metals	Misc. Org.	Full Lists	Misc.
8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Acrom. only Halog. only App. IX list 8021B list	8270 or 625 STARS list EN Only PAH list TAGM list NIDEP list CT RCP list TCL list NIDEP list App. IX list TCLP BNA SPL or TCLP	RCRA8 PP13 list TAL CT15 list TAGM list NIDEP list Total Dissolved SPL or TCLP Inks/Inks LIST Below	TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STANS Air VPH Air TCY Methane Helium	Ph. Poll TCL Ogrs TAL MSAN Full TCLP Full App. IX Part 300-based Part 300-based Part 300-based NYCDEP NYSEDEC TAGM Silica	Corrosivity Reactivity Ignitability Flash Point Sludge Anal. Heretoxophs TOX BTU lib Aquatic Tox NYCDEP NYSEDEC TAGM Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)	Temperature on Receipt
NR021715-1200NP1-1-2	2/1/6 1200	GW	VOC 8260 full list (EPA SW846-81605) plus from 113	3V	
NR021715-1200NP1-1-2MS	1200				
NR021715-1200NP1-1-2MAD	1200				
NR021715-1210FRW-1	1210				
NR021715-1215FRW-2	1215				
NR021715-1220FRW-3	1220				
NR021715-1225FRW-4	1225				
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"/> NaOH <input type="checkbox"/> Check those Applicable: 7/NaAc <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other <input type="checkbox"/>					
Special Instructions: Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>					
Comments: Samples Relinquished By: <u>Cheryl Allen</u> Date/Time: <u>2/18/15 1320</u> Samples Received By: <u>LB6 Judge</u> Date/Time: <u>2/19/15 1200</u> Samples Relinquished By: _____ Date/Time: _____ Samples Received In Lab By: _____ Date/Time: _____ Trace 8-18-15 1433 @ 3.7C					

(RW & FRW)

**APPENDIX III**  
**FEBRUARY 2015 LABORATORY ANALYTICAL REPORTS**  
**FOR AIR SAMPLES**



# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 204

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 03/10/2015

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 15C0095

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 03/10/2015  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 15C0095

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

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 04, 2015 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>
15C0095-01	AQ030315:1300NP4-1	Vapor Extraction	03/03/2015	03/04/2015
15C0095-02	AQ030315:1305NP4-2	Vapor Extraction	03/03/2015	03/04/2015
15C0095-03	AQ030315:1310NP4-3	Vapor Extraction	03/03/2015	03/04/2015

## General Notes for York Project (SDG) No.: 15C0095

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: 03/10/2015





## Sample Information

**Client Sample ID:** AQ030315:1300NP4-1

**York Sample ID:** 15C0095-01

<u>York Project (SDG) No.</u> 15C0095	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Vapor Extraction	<u>Collection Date/Time</u> March 3, 2015 1:00 pm	<u>Date Received</u> 03/04/2015
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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>	0.11	0.11	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.60	0.60	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.23	0.23	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.78	0.78	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.68	0.68	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
108-88-3	Toluene	ND		ug/m <sup>3</sup>	0.64	0.64	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
109-99-9	<b>* Tetrahydrofuran</b>	<b>0.60</b>		ug/m <sup>3</sup>	0.50	0.50	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
127-18-4	Tetrachloroethylene	ND		ug/m <sup>3</sup>	0.29	0.29	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.73	0.73	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
115-07-1	<b>* Propylene</b>	ND		ug/m <sup>3</sup>	0.29	0.29	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
622-96-8	<b>* p-Ethyltoluene</b>	ND		ug/m <sup>3</sup>	0.84	0.84	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m <sup>3</sup>	1.5	1.5	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	0.74	0.74	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
110-54-3	n-Hexane	ND		ug/m <sup>3</sup>	0.60	0.60	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.70	0.70	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	1.2	1.2	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.61	0.61	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.70	0.70	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
67-63-0	Isopropanol	ND		ug/m <sup>3</sup>	0.84	0.84	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.8	1.8	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	0.74	0.74	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
141-78-6	<b>* Ethyl acetate</b>	ND		ug/m <sup>3</sup>	1.2	1.2	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.59	0.59	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.78	0.78	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.68	0.68	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
74-87-3	<b>Chloromethane</b>	<b>2.3</b>		ug/m <sup>3</sup>	0.35	0.35	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.83	0.83	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.45	0.45	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.27	0.27	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.53	0.53	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.66	0.66	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.8	1.8	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.1	1.1	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.88	0.88	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
71-43-2	Benzene	ND		ug/m <sup>3</sup>	0.55	0.55	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD



### Sample Information

**Client Sample ID:** AQ030315:1300NP4-1

**York Sample ID:** 15C0095-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15C0095

Rowe Industries

Vapor Extraction

March 3, 2015 1:00 pm

03/04/2015

**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	5.9		ug/m <sup>3</sup>	0.41	0.41	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.4	1.4	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
78-93-3	2-Butanone	1.4		ug/m <sup>3</sup>	0.50	0.50	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.62	0.62	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.0	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.0	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.74	0.74	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.84	0.84	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.79	0.79	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.69	0.69	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.0	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.84	0.84	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.3	1.3	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.68	0.68	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.69	0.69	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.2		ug/m <sup>3</sup>	0.96	0.96	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.93	0.93	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	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	03/05/2015 07:01	03/06/2015 07:29	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.93	0.93	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
75-71-8	Dichlorodifluoromethane	1.9		ug/m <sup>3</sup>	0.84	0.84	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.3	1.3	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.4	1.4	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.70	0.70	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.79	0.79	1.708	EPA TO-15	03/05/2015 07:01	03/06/2015 07:29	ALD
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	94.7 %			72-118						

### Sample Information

**Client Sample ID:** AQ030315:1305NP4-2

**York Sample ID:** 15C0095-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15C0095

Rowe Industries

Vapor Extraction

March 3, 2015 1:05 pm

03/04/2015



### Sample Information

**Client Sample ID:** AQ030315:1305NP4-2

**York Sample ID:** 15C0095-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15C0095

Rowe Industries

Vapor Extraction

March 3, 2015 1:05 pm

03/04/2015

**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>	0.11	0.11	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.62	0.62	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.24	0.24	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.80	0.80	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.70	0.70	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
108-88-3	Toluene	ND		ug/m <sup>3</sup>	0.67	0.67	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
109-99-9	<b>* Tetrahydrofuran</b>	<b>2.4</b>		ug/m <sup>3</sup>	0.52	0.52	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
127-18-4	<b>Tetrachloroethylene</b>	<b>1.9</b>		ug/m <sup>3</sup>	0.30	0.30	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.75	0.75	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.30	0.30	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m <sup>3</sup>	0.87	0.87	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m <sup>3</sup>	1.5	1.5	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	0.77	0.77	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
110-54-3	<b>n-Hexane</b>	<b>1.6</b>		ug/m <sup>3</sup>	0.62	0.62	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.72	0.72	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
75-09-2	<b>Methylene chloride</b>	<b>3.9</b>		ug/m <sup>3</sup>	1.2	1.2	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.64	0.64	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.72	0.72	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
67-63-0	<b>Isopropanol</b>	<b>1.7</b>		ug/m <sup>3</sup>	0.87	0.87	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.9	1.9	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	0.77	0.77	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	1.3	1.3	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.61	0.61	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.80	0.80	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>3.2</b>		ug/m <sup>3</sup>	0.70	0.70	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
74-87-3	<b>Chloromethane</b>	<b>2.0</b>		ug/m <sup>3</sup>	0.37	0.37	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.86	0.86	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.47	0.47	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.28	0.28	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.55	0.55	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.69	0.69	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.8	1.8	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.1	1.1	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.92	0.92	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
71-43-2	Benzene	ND		ug/m <sup>3</sup>	0.56	0.56	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
67-64-1	<b>Acetone</b>	<b>15</b>		ug/m <sup>3</sup>	0.42	0.42	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.4	1.4	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD



### Sample Information

**Client Sample ID:** AQ030315:1305NP4-2

**York Sample ID:** 15C0095-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15C0095

Rowe Industries

Vapor Extraction

March 3, 2015 1:05 pm

03/04/2015

**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
78-93-3	<b>2-Butanone</b>	<b>4.0</b>		ug/m <sup>3</sup>	0.52	0.52	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.64	0.64	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.77	0.77	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.87	0.87	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.82	0.82	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.72	0.72	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.87	0.87	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.3	1.3	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.70	0.70	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.72	0.72	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>1.3</b>		ug/m <sup>3</sup>	0.99	0.99	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.96	0.96	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.4	1.4	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>1.7</b>		ug/m <sup>3</sup>	0.96	0.96	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.0</b>		ug/m <sup>3</sup>	0.87	0.87	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.4	1.4	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.4	1.4	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.72	0.72	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.81	0.81	1.768	EPA TO-15	03/05/2015 07:01	03/06/2015 08:25	ALD
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	97.2 %	72-118								

### Sample Information

**Client Sample ID:** AQ030315:1310NP4-3

**York Sample ID:** 15C0095-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15C0095

Rowe Industries

Vapor Extraction

March 3, 2015 1:10 pm

03/04/2015

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**



## Sample Information

**Client Sample ID:** AQ030315:1310NP4-3

**York Sample ID:** 15C0095-03

<u>York Project (SDG) No.</u> 15C0095	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Vapor Extraction	<u>Collection Date/Time</u> March 3, 2015 1:10 pm	<u>Date Received</u> 03/04/2015
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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>	0.14	0.14	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.79	0.79	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.30	0.30	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	1.0	1.0	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.89	0.89	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
108-88-3	Toluene	ND		ug/m <sup>3</sup>	0.84	0.84	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
109-99-9	<b>* Tetrahydrofuran</b>	<b>1.2</b>		ug/m <sup>3</sup>	0.66	0.66	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
127-18-4	Tetrachloroethylene	ND		ug/m <sup>3</sup>	0.38	0.38	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.95	0.95	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.39	0.39	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m <sup>3</sup>	1.1	1.1	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m <sup>3</sup>	1.9	1.9	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	0.97	0.97	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
110-54-3	n-Hexane	ND		ug/m <sup>3</sup>	0.79	0.79	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.92	0.92	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	1.6	1.6	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.81	0.81	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.92	0.92	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
67-63-0	<b>Isopropanol</b>	<b>1.8</b>		ug/m <sup>3</sup>	1.1	1.1	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	2.4	2.4	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	0.97	0.97	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	1.6	1.6	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.77	0.77	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	1.0	1.0	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>1.6</b>		ug/m <sup>3</sup>	0.89	0.89	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
74-87-3	<b>Chloromethane</b>	<b>2.1</b>		ug/m <sup>3</sup>	0.46	0.46	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	1.1	1.1	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.59	0.59	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.35	0.35	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.70	0.70	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.87	0.87	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	2.3	2.3	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.4	1.4	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	1.2	1.2	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
71-43-2	Benzene	ND		ug/m <sup>3</sup>	0.72	0.72	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
67-64-1	<b>Acetone</b>	<b>7.2</b>		ug/m <sup>3</sup>	0.53	0.53	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.8	1.8	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
78-93-3	<b>2-Butanone</b>	<b>2.1</b>		ug/m <sup>3</sup>	0.66	0.66	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD



### Sample Information

**Client Sample ID:** AQ030315:1310NP4-3

**York Sample ID:** 15C0095-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15C0095

Rowe Industries

Vapor Extraction

March 3, 2015 1:10 pm

03/04/2015

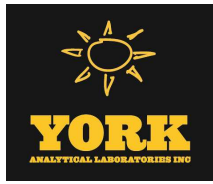
**Volatile Organics, EPA TO15 Full List**

**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>	0.81	0.81	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.3	1.3	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.3	1.3	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.97	0.97	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	1.1	1.1	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.6	1.6	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	1.0	1.0	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.91	0.91	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.3	1.3	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	1.1	1.1	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.7	1.7	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.89	0.89	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.91	0.91	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>1.3</b>		ug/m <sup>3</sup>	1.3	1.3	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	1.2	1.2	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.7	1.7	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.5	1.5	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>2.9</b>		ug/m <sup>3</sup>	1.2	1.2	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.2</b>		ug/m <sup>3</sup>	1.1	1.1	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.7	1.7	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.8	1.8	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.92	0.92	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.0	2.24	EPA TO-15	03/05/2015 07:01	03/05/2015 22:14	ALD
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	96.8 %			72-118						



## Analytical Batch Summary

**Batch ID:** BC50317

**Preparation Method:** EPA TO15 PREP

**Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15C0095-01	AQ030315:1300NP4-1	03/05/15
15C0095-02	AQ030315:1305NP4-2	03/05/15
15C0095-03	AQ030315:1310NP4-3	03/05/15
BC50317-BLK1	Blank	03/05/15
BC50317-BS1	LCS	03/05/15
BC50317-DUP1	Duplicate	03/05/15



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

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC50317 - EPA TO15 PREP**

**Blank (BC50317-BLK1)**

Prepared & Analyzed: 03/05/2015

Vinyl Chloride	ND	0.064	ug/m <sup>3</sup>								
Vinyl acetate	ND	0.35	"								
Trichloroethylene	ND	0.13	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
Toluene	ND	0.38	"								
Tetrahydrofuran	ND	0.29	"								
Tetrachloroethylene	ND	0.17	"								
Styrene	ND	0.43	"								
Propylene	ND	0.17	"								
p-Ethyltoluene	ND	0.49	"								
p- & m- Xylenes	ND	0.87	"								
o-Xylene	ND	0.43	"								
n-Hexane	ND	0.35	"								
n-Heptane	ND	0.41	"								
Methylene chloride	ND	0.69	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
4-Methyl-2-pentanone	ND	0.41	"								
Isopropanol	ND	0.49	"								
Hexachlorobutadiene	ND	1.1	"								
Ethyl Benzene	ND	0.43	"								
Ethyl acetate	ND	0.72	"								
Cyclohexane	ND	0.34	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
Chloromethane	ND	0.21	"								
Chloroform	ND	0.49	"								
Chloroethane	ND	0.26	"								
Carbon tetrachloride	ND	0.16	"								
Carbon disulfide	ND	0.31	"								
Bromomethane	ND	0.39	"								
Bromoform	ND	1.0	"								
Bromodichloromethane	ND	0.62	"								
Benzyl chloride	ND	0.52	"								
Benzene	ND	0.32	"								
Acetone	ND	0.24	"								
2-Hexanone	ND	0.82	"								
2-Butanone	ND	0.29	"								
1,4-Dioxane	ND	0.36	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Butadiene	ND	0.43	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,1-Dichloroethylene	ND	0.40	"								
1,1-Dichloroethane	ND	0.40	"								



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC50317 - EPA TO15 PREP

Blank (BC50317-BLK1)

Prepared & Analyzed: 03/05/2015

Trichlorofluoromethane (Freon 11)	ND	0.56	ug/m <sup>3</sup>								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
Dibromochloromethane	ND	0.80	"								
Methyl Methacrylate	ND	0.41	"								
Chlorobenzene	ND	0.46	"								

Surrogate: <i>p</i> -Bromofluorobenzene	9.20		ppbv	9.60		95.8	72-118				
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LCS (BC50317-BS1)

Prepared & Analyzed: 03/05/2015

Vinyl Chloride	11.5		ppbv	9.70		118	70-130				
Vinyl acetate	3.77		"	10.8		34.9	70-130	Low Bias			
Trichloroethylene	7.42		"	9.90		74.9	70-130				
trans-1,3-Dichloropropylene	8.82		"	10.9		80.9	70-130				
trans-1,2-Dichloroethylene	7.38		"	9.70		76.1	70-130				
Toluene	8.81		"	10.4		84.7	70-130				
Tetrahydrofuran	6.68		"	9.20		72.6	70-130				
Tetrachloroethylene	7.17		"	10.0		71.7	70-130				
Styrene	9.79		"	10.3		95.0	70-130				
Propylene	8.05		"	10.4		77.4	70-130				
<i>p</i> -Ethyltoluene	9.09		"	10.1		90.0	70-130				
<i>p</i> - & <i>m</i> - Xylenes	19.7		"	20.2		97.4	70-130				
<i>o</i> -Xylene	9.85		"	10.5		93.8	70-130				
<i>n</i> -Hexane	7.57		"	10.0		75.7	70-130				
<i>n</i> -Heptane	7.71		"	10.3		74.9	70-130				
Methylene chloride	7.28		"	9.90		73.5	70-130				
Methyl tert-butyl ether (MTBE)	7.27		"	9.80		74.2	70-130				
4-Methyl-2-pentanone	7.69		"	9.20		83.6	70-130				
Isopropanol	6.38		"	9.20		69.3	70-130	Low Bias			
Hexachlorobutadiene	8.77		"	9.90		88.6	70-130				
Ethyl Benzene	9.06		"	10.3		88.0	70-130				
Ethyl acetate	10.5		"	8.50		124	70-130				
Cyclohexane	7.55		"	10.1		74.8	70-130				
cis-1,3-Dichloropropylene	8.43		"	10.5		80.3	70-130				
cis-1,2-Dichloroethylene	8.52		"	10.3		82.7	70-130				
Chloromethane	12.1		"	9.70		125	70-130				
Chloroform	7.83		"	10.1		77.5	70-130				
Chloroethane	7.96		"	9.90		80.4	70-130				
Carbon tetrachloride	7.05		"	10.2		69.1	70-130	Low Bias			
Carbon disulfide	7.59		"	10.5		72.3	70-130				
Bromomethane	7.97		"	9.90		80.5	70-130				
Bromoform	9.09		"	10.1		90.0	70-130				
Bromodichloromethane	9.16		"	9.90		92.5	70-130				
Benzyl chloride	9.45		"	10.2		92.6	70-130				
Benzene	8.18		"	10.2		80.2	70-130				
Acetone	7.46		"	9.80		76.1	70-130				
2-Hexanone	7.61		"	9.30		81.8	70-130				
2-Butanone	7.52		"	9.40		80.0	70-130				
1,4-Dioxane	7.04		"	9.90		71.1	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC50317 - EPA TO15 PREP

LCS (BC50317-BS1)

Prepared & Analyzed: 03/05/2015

1,4-Dichlorobenzene	8.61		ppbv	10.2		84.4	70-130				
1,3-Dichlorobenzene	8.63		"	10.2		84.6	70-130				
1,3-Butadiene	13.6		"	10.1		134	70-130	High Bias			
1,3,5-Trimethylbenzene	8.95		"	10.2		87.7	70-130				
1,2-Dichlorotetrafluoroethane	11.1		"	10.2		109	70-130				
1,2-Dichloropropane	8.78		"	10.3		85.2	70-130				
1,2-Dichloroethane	7.54		"	10.1		74.7	70-130				
1,2-Dichlorobenzene	8.63		"	10.1		85.4	70-130				
1,2,4-Trimethylbenzene	9.00		"	10.2		88.2	70-130				
1,2,4-Trichlorobenzene	10.1		"	9.60		105	70-130				
1,1-Dichloroethylene	7.61		"	10.0		76.1	70-130				
1,1-Dichloroethane	7.89		"	10.0		78.9	70-130				
Trichlorofluoromethane (Freon 11)	8.33		"	10.5		79.3	70-130				
1,1,2-Trichloroethane	8.88		"	10.3		86.2	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.56		"	9.70		77.9	70-130				
1,1,2,2-Tetrachloroethane	9.33		"	10.5		88.9	70-130				
1,1,1-Trichloroethane	7.50		"	9.90		75.8	70-130				
Dichlorodifluoromethane	8.63		"	10.0		86.3	70-130				
1,2-Dibromoethane	8.43		"	10.3		81.8	70-130				
Dibromochloromethane	9.12		"	10.3		88.5	70-130				
Methyl Methacrylate	8.42		"	9.50		88.6	70-130				
Chlorobenzene	8.45		"	10.4		81.2	70-130				
Surrogate: <i>p</i> -Bromofluorobenzene	10.0		"	9.60		104	72-118				

Duplicate (BC50317-DUP1)

\*Source sample: 15C0095-01 (AQ030315:1300NP4-1)

Prepared & Analyzed: 03/05/2015

Vinyl Chloride	ND	0.11	ug/m <sup>3</sup>		ND						25
Vinyl acetate	ND	0.60	"		ND						25
Trichloroethylene	ND	0.23	"		ND						25
trans-1,3-Dichloropropylene	ND	0.78	"		ND						25
trans-1,2-Dichloroethylene	ND	0.68	"		ND						25
Toluene	ND	0.64	"		ND						25
Tetrahydrofuran	0.71	0.50	"		0.60				15.4		25
Tetrachloroethylene	ND	0.29	"		ND						25
Styrene	ND	0.73	"		ND						25
Propylene	ND	0.29	"		ND						25
p-Ethyltoluene	ND	0.84	"		ND						25
p- & m- Xylenes	ND	1.5	"		ND						25
o-Xylene	ND	0.74	"		ND						25
n-Hexane	ND	0.60	"		ND						25
n-Heptane	ND	0.70	"		ND						25
Methylene chloride	ND	1.2	"		ND						25
Methyl tert-butyl ether (MTBE)	ND	0.61	"		ND						25
4-Methyl-2-pentanone	ND	0.70	"		ND						25
Isopropanol	ND	0.84	"		ND						25
Hexachlorobutadiene	ND	1.8	"		ND						25
Ethyl Benzene	ND	0.74	"		ND						25
Ethyl acetate	ND	1.2	"		ND						25
Cyclohexane	ND	0.59	"		ND						25
cis-1,3-Dichloropropylene	ND	0.78	"		ND						25
cis-1,2-Dichloroethylene	ND	0.68	"		ND						25
Chloromethane	2.0	0.35	"		2.3				12.9		25
Chloroform	ND	0.83	"		ND						25



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BC50317 - EPA TO15 PREP</b>												
<b>Duplicate (BC50317-DUP1)</b>	*Source sample: 15C0095-01 (AQ030315:1300NP4-1)						Prepared & Analyzed: 03/05/2015					
Chloroethane	ND	0.45	ug/m <sup>3</sup>		ND					25		
Carbon tetrachloride	ND	0.27	"		ND					25		
Carbon disulfide	ND	0.53	"		ND					25		
Bromomethane	ND	0.66	"		ND					25		
Bromoform	ND	1.8	"		ND					25		
Bromodichloromethane	ND	1.1	"		ND					25		
Benzyl chloride	ND	0.88	"		ND					25		
Benzene	ND	0.55	"		ND					25		
Acetone	5.6	0.41	"		5.9				4.23	25		
2-Hexanone	ND	1.4	"		ND					25		
2-Butanone	1.5	0.50	"		1.4				10.5	25		
1,4-Dioxane	ND	0.62	"		ND					25		
1,4-Dichlorobenzene	ND	1.0	"		ND					25		
1,3-Dichlorobenzene	ND	1.0	"		ND					25		
1,3-Butadiene	ND	0.74	"		ND					25		
1,3,5-Trimethylbenzene	ND	0.84	"		ND					25		
1,2-Dichlorotetrafluoroethane	ND	1.2	"		ND					25		
1,2-Dichloropropane	ND	0.79	"		ND					25		
1,2-Dichloroethane	ND	0.69	"		ND					25		
1,2-Dichlorobenzene	ND	1.0	"		ND					25		
1,2,4-Trimethylbenzene	ND	0.84	"		ND					25		
1,2,4-Trichlorobenzene	ND	1.3	"		ND					25		
1,1-Dichloroethylene	ND	0.68	"		ND					25		
1,1-Dichloroethane	ND	0.69	"		ND					25		
Trichlorofluoromethane (Freon 11)	1.2	0.96	"		1.2				8.00	25		
1,1,2-Trichloroethane	ND	0.93	"		ND					25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.3	"		ND					25		
1,1,2,2-Tetrachloroethane	ND	1.2	"		ND					25		
1,1,1-Trichloroethane	ND	0.93	"		ND					25		
Dichlorodifluoromethane	2.1	0.84	"		1.9				12.8	25		
1,2-Dibromoethane	ND	1.3	"		ND					25		
Dibromochloromethane	ND	1.4	"		ND					25		
Methyl Methacrylate	ND	0.70	"		ND					25		
Chlorobenzene	ND	0.79	"		ND					25		
Surrogate: <i>p</i> -Bromofluorobenzene	9.36		ppbv	9.60		97.5	72-118					



## Notes and Definitions

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

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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.

# Field Chain-of-Custody Record - AIR

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. 15C0095

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>	Company: <u>Rowe Industries</u>	RUSH - Same Day <input type="checkbox"/>	Summary Report <input checked="" type="checkbox"/>	RUSH - Next Day <input type="checkbox"/>	Summary w/ QA Summary <input checked="" type="checkbox"/>	CT RCP Package <input type="checkbox"/>	CT RCP Package <input checked="" type="checkbox"/>	NY ASP A Package <input type="checkbox"/>	NY ASP B/CLP Pkg <input type="checkbox"/>	NY ASP B/CLP Pkg <input checked="" type="checkbox"/>	NJDEP Reduced <input type="checkbox"/>	NJDEP Reduced <input checked="" type="checkbox"/>	Electronic Deliverables: <input type="checkbox"/>	Electronic Deliverables: <input checked="" type="checkbox"/>	EDD (Specify Type) <input type="checkbox"/>	EDD (Specify Type) <input checked="" type="checkbox"/>	Standard Excel <input type="checkbox"/>	Standard Excel <input checked="" type="checkbox"/>	Regulatory Comparison Excel <input type="checkbox"/>	Regulatory Comparison Excel <input checked="" type="checkbox"/>		
Address: <u>4 Research Dr, Suite 301</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Rowe Industries</u>	TO15 Volatiles and Other Gas Analytes	EPA TO-15 List	TO15 Volatiles and Other Gas Analytes	EPA TO-14A List	Detection Limits Required	$\leq 1 \text{ ng/m}^3$	NYSDEC VI Limits	(VI - Vapor (Ambient))	NJDEP low level	Routine Survey	Other	Special Instructions									
Phone No. <u>203-229-8555</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Rowe Industries</u>	NYSDEC VI list	NYSDEC STARS List	NYSDEC VI list	Tentatively Identified Compounds	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Project Specific List by TO-15	Helium	Methane	OTHER	Chosen Analytes Needed from the Menu Above and Enter Below	EPA TO-15 List									
Attention: <u>Tonde Sander</u>	Attention: <u>Same</u>	Attention: <u>Same</u>	Attention: <u>Rowe Industries</u>	Air Matrix Codes	AI - INDOOR Ambient Air	AO - OUTDOOR Amb. Air	AE - Vapor Extraction Well/Process Gas/Effluent	AS - SOIL Vapor/Sub-Slab	AIR Matrix	AE	AE	AE												
E-Mail Address: <u>TSander@LBGCT.COM</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Rowe Industries</u>	Samples Collected/Authorized By (Signature)					Date Sampled	<u>3/15</u>	<u>1300</u>	<u>1305</u>	<u>1310</u>											
<p><b>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></p>				<p>Canister Vacuum Before Sampling (in. Hg) / After Sampling (in. Hg)</p>				<p>Canister Vacuum Before Sampling (in. Hg) / After Sampling (in. Hg)</p>				<p>Canister Vacuum Before Sampling (in. Hg) / After Sampling (in. Hg)</p>												
<p>Comments</p>				<p><u>LBG Frac. 3/4/15 1030</u></p> <p><u>3/4/15 1030</u></p> <p><u>3/4/15 1235</u></p> <p><u>3/4/15 1500</u></p>				<p><u>3/4/15 1030</u></p> <p><u>3/4/15 1235</u></p> <p><u>3/4/15 1500</u></p>				<p><u>3/4/15 1030</u></p> <p><u>3/4/15 1235</u></p> <p><u>3/4/15 1500</u></p>												