

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)	Ethyl-benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
<b>SPDES Limits</b>	<b>5.0 to 8.5</b>	---	5	5	5	5	5	5	5	5	5	5	5	---	10	7	---	---
14-Feb-13	7.1	263	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	2.2	ND<0.5	ND<2	ND<0.5	9.26	0.035
20-Feb-13	7.1	118	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	0.91 J,B	ND<0.5	0.20 J	ND<0.5	11.6	0.056
25-Feb-13	7.2	127	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	0.40 J,B	ND<0.5	ND<2	ND<0.5	0.90	0.078

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

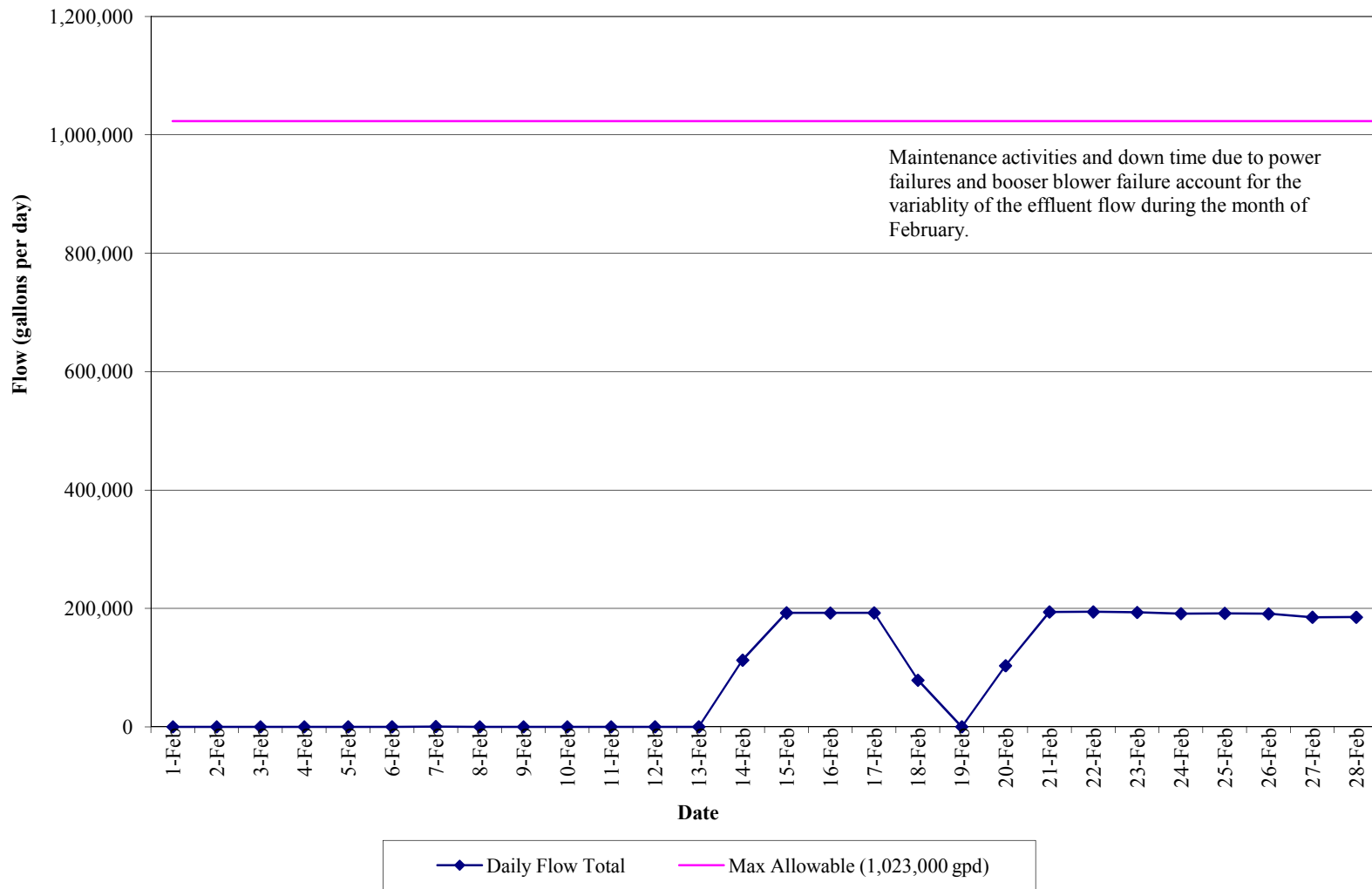
**Notes:**

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, 2013 to February 28, 2013)**



**APPENDIX I**  
**FEBRUARY 2013 LABORATORY ANALYTICAL REPORTS**  
**FOR FSP&T SYSTEM**

# YORK

ANALYTICAL LABORATORIES, INC.

## Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 02/21/2013

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 13B0434

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 02/21/2013  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 13B0434

**Leggette Brashears & Graham Shelton Office**  
4 Research Drive, Suite 301  
Shelton CT, 06484  
Attention: Tunde Komuves-Sandor

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 15, 2013 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>
13B0434-01	WQ021413:1140NP2-6	Water	02/14/2013	02/15/2013
13B0434-02	WQ021413:1145NP2-7	Water	02/14/2013	02/15/2013
13B0435-01	WQ021413:1150NP2-10	Water	02/14/2013	02/15/2013

## General Notes for York Project (SDG) No.: 13B0434

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:



Robert Q. Bradley  
Laboratory Director

Date: 02/21/2013

**YORK**

## Sample Information

**Client Sample ID:** WQ021413:1140NP2-6

**York Sample ID:** 13B0434-01

York Project (SDG) No.  
13B0434

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 14, 2013 11:40 am

Date Received  
02/15/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
71-55-6	1,1,1-Trichloroethane	0.21	J	ug/L	0.024	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
75-25-2	Bromoform	0.14	J	ug/L	0.079	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS

## Sample Information

**Client Sample ID:** WQ021413:1140NP2-6

**York Sample ID:** 13B0434-01

York Project (SDG) No.  
13B0434

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 14, 2013 11:40 am

Date Received  
02/15/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
75-09-2	Methylene chloride	1.6	J	ug/L	0.26	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
127-18-4	Tetrachloroethylene	1.5		ug/L	0.070	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
79-01-6	Trichloroethylene	0.24	J	ug/L	0.071	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 05:30	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.2 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	102 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	100 %			81.2-127						

## Sample Information

**Client Sample ID:** WQ021413:1140NP2-6

**York Sample ID:** 13B0434-01

York Project (SDG) No.  
13B0434

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 14, 2013 11:40 am

Date Received  
02/15/2013

**Iron, Dissolved by EPA 6010**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.182		mg/L	0.0100	0.0200	1	EPA SW846-6010B	02/19/2013 15:32	02/19/2013 18:28	MW

**Iron by EPA 200.7**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	2.38		mg/L	0.0100	0.0200	1	EPA 200.7	02/19/2013 15:32	02/19/2013 18:33	MW

## Sample Information

**Client Sample ID:** WQ021413:1145NP2-7

**York Sample ID:** 13B0434-02

York Project (SDG) No.  
13B0434

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 14, 2013 11:45 am

Date Received  
02/15/2013

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS

## Sample Information

**Client Sample ID:** WQ021413:1145NP2-7

**York Sample ID:** 13B0434-02

York Project (SDG) No.  
13B0434

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 14, 2013 11:45 am

Date Received  
02/15/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
75-09-2	Methylene chloride	2.6		ug/L	0.26	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS

## Sample Information

**Client Sample ID:** WQ021413:1145NP2-7

**York Sample ID:** 13B0434-02

York Project (SDG) No.  
13B0434

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 14, 2013 11:45 am

Date Received  
02/15/2013

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:06	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	98.4 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	99.4 %			81.2-127						

**Iron, Dissolved by EPA 6010**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.172		mg/L	0.0100	0.0200	1	EPA SW846-6010B	02/19/2013 15:32	02/19/2013 18:38	MW

**Iron by EPA 200.7**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	4.30		mg/L	0.0100	0.0200	1	EPA 200.7	02/19/2013 15:32	02/19/2013 18:43	MW

## Sample Information

**Client Sample ID:** WQ021413:1150NP2-10

**York Sample ID:** 13B0435-01

York Project (SDG) No.  
13B0435

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 14, 2013 11:50 am

Date Received  
02/15/2013

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS

## Sample Information

**Client Sample ID:** WQ021413:1150NP2-10

**York Sample ID:** 13B0435-01

York Project (SDG) No.  
13B0435

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 14, 2013 11:50 am

Date Received  
02/15/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS

## Sample Information

**Client Sample ID:** WQ021413:1150NP2-10

**York Sample ID:** 13B0435-01

York Project (SDG) No.  
13B0435

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 14, 2013 11:50 am

Date Received  
02/15/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
75-09-2	Methylene chloride	2.2		ug/L	0.26	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/20/2013 08:27	02/21/2013 06:41	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.6 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	96.4 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	101 %	81.2-127								

## Sample Information

**Client Sample ID:** WQ021413:1150NP2-10

**York Sample ID:** 13B0435-01

York Project (SDG) No.  
13B0435

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 14, 2013 11:50 am

Date Received  
02/15/2013

**Iron, Dissolved by EPA 6010**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0347		mg/L	0.0100	0.0200	1	EPA SW846-6010B	02/19/2013 15:32	02/19/2013 18:47	MW

**Iron by EPA 200.7**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	9.26		mg/L	0.0100	0.0200	1	EPA 200.7	02/19/2013 15:32	02/19/2013 19:16	MW

**Total Dissolved Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	263		mg/L	1.00	1.00	1	SM 2540C	02/20/2013 09:10	02/20/2013 09:10	ALD

## Analytical Batch Summary

**Batch ID:** BB30548

**Preparation Method:** % Solids Prep

**Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13B0435-01	WQ021413:1150NP2-10	02/20/13
BB30548-BLK1	Blank	02/20/13
BB30548-DUP1	Duplicate	02/20/13

**Batch ID:** BB30553

**Preparation Method:** EPA 3010A

**Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13B0434-01	WQ021413:1140NP2-6	02/19/13
13B0434-01	WQ021413:1140NP2-6	02/19/13
13B0434-02	WQ021413:1145NP2-7	02/19/13
13B0434-02	WQ021413:1145NP2-7	02/19/13
13B0435-01	WQ021413:1150NP2-10	02/19/13
13B0435-01	WQ021413:1150NP2-10	02/19/13
BB30553-BLK1	Blank	02/19/13
BB30553-BLK1	Blank	02/19/13
BB30553-DUP1	Duplicate	02/19/13
BB30553-DUP1	Duplicate	02/19/13
BB30553-MS1	Matrix Spike	02/19/13
BB30553-MS1	Matrix Spike	02/19/13
BB30553-SRM1	Reference	02/19/13
BB30553-SRM1	Reference	02/19/13

**Batch ID:** BB30573

**Preparation Method:** EPA 5030B

**Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13B0434-01	WQ021413:1140NP2-6	02/20/13
13B0434-02	WQ021413:1145NP2-7	02/20/13
13B0435-01	WQ021413:1150NP2-10	02/20/13
BB30573-BLK1	Blank	02/20/13
BB30573-BS1	LCS	02/20/13
BB30573-BSD1	LCS Dup	02/20/13

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30573 - EPA 5030B**

**Blank (BB30573-BLK1)**

Prepared: 02/20/2013 Analyzed: 02/21/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	0.60	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

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

**Batch BB30573 - EPA 5030B**

**Blank (BB30573-BLK1)**

Prepared: 02/20/2013 Analyzed: 02/21/2013

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

*Surrogate: 1,2-Dichloroethane-d4*

9.90

"

10.0

99.0

72.6-129

*Surrogate: p-Bromofluorobenzene*

9.75

"

10.0

97.5

63.5-145

*Surrogate: Toluene-d8*

10.3

"

10.0

103

81.2-127

**LCS (BB30573-BS1)**

Prepared & Analyzed: 02/20/2013

1,1,1,2-Tetrachloroethane	9.51		ug/L	10.0	95.1	82.3-130		
1,1,1-Trichloroethane	9.40		"	10.0	94.0	75.6-137		
1,1,2,2-Tetrachloroethane	9.84		"	10.0	98.4	71.3-131		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0	109	71.1-129		
1,1,2-Trichloroethane	9.37		"	10.0	93.7	74.5-129		
1,1-Dichloroethane	9.90		"	10.0	99.0	79.6-132		
1,1-Dichloroethylene	9.75		"	10.0	97.5	80.2-146		
1,1-Dichloropropylene	9.32		"	10.0	93.2	75-136		
1,2,3-Trichlorobenzene	8.78		"	10.0	87.8	66.1-136		
1,2,3-Trichloropropane	9.77		"	10.0	97.7	63-131		
1,2,4-Trichlorobenzene	8.79		"	10.0	87.9	70.6-136		
1,2,4-Trimethylbenzene	8.77		"	10.0	87.7	75.3-135		
1,2-Dibromo-3-chloropropane	11.2		"	10.0	112	58.9-140		
1,2-Dibromoethane	9.34		"	10.0	93.4	79-130		
1,2-Dichlorobenzene	9.35		"	10.0	93.5	76.1-122		
1,2-Dichloroethane	9.58		"	10.0	95.8	74.6-132		
1,2-Dichloropropane	9.56		"	10.0	95.6	76.9-129		
1,3,5-Trimethylbenzene	9.07		"	10.0	90.7	70.6-127		
1,3-Dichlorobenzene	8.99		"	10.0	89.9	77-124		
1,3-Dichloropropane	9.53		"	10.0	95.3	75.8-126		
1,4-Dichlorobenzene	8.88		"	10.0	88.8	76.6-125		
2,2-Dichloropropane	8.08		"	10.0	80.8	69-133		
2-Chlorotoluene	9.06		"	10.0	90.6	66.3-119		
2-Hexanone	10.0		"	10.0	100	70-130		
4-Chlorotoluene	9.28		"	10.0	92.8	69.2-127		
Acetone	8.50		"	10.0	85.0	70-130		
Benzene	9.49		"	10.0	94.9	76.2-129		
Bromobenzene	9.27		"	10.0	92.7	71.3-123		
Bromochloromethane	10.2		"	10.0	102	70.8-137		
Bromodichloromethane	9.84		"	10.0	98.4	79.7-134		
Bromoform	9.87		"	10.0	98.7	70.5-141		
Bromomethane	8.56		"	10.0	85.6	43.9-147		
Carbon tetrachloride	9.51		"	10.0	95.1	78.1-138		
Chlorobenzene	9.36		"	10.0	93.6	80.4-125		
Chloroethane	8.95		"	10.0	89.5	55.8-140		
Chloroform	9.53		"	10.0	95.3	76.6-133		
Chloromethane	8.21		"	10.0	82.1	48.8-115		
cis-1,2-Dichloroethylene	9.72		"	10.0	97.2	75.1-128		
cis-1,3-Dichloropropylene	9.41		"	10.0	94.1	74.5-128		

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BB30573 - EPA 5030B</b>										
<b>LCS (BB30573-BS1)</b>										
Prepared & Analyzed: 02/20/2013										
Dibromochloromethane	9.74		ug/L	10.0		97.4			79.8-134	
Dibromomethane	9.24		"	10.0		92.4			79-130	
Dichlorodifluoromethane	6.75		"	10.0		67.5			47.1-101	
Ethyl Benzene	9.46		"	10.0		94.6			80.8-128	
Hexachlorobutadiene	8.38		"	10.0		83.8			64.8-128	
Isopropylbenzene	9.26		"	10.0		92.6			75.5-135	
Methyl tert-butyl ether (MTBE)	8.04		"	10.0		80.4			65.1-140	
Methylene chloride	9.45		"	10.0		94.5			61.3-120	
Naphthalene	9.07		"	10.0		90.7			62.3-148	
n-Butylbenzene	8.50		"	10.0		85.0			67.2-123	
n-Propylbenzene	9.19		"	10.0		91.9			70.5-127	
o-Xylene	9.31		"	10.0		93.1			75.9-122	
p- & m- Xylenes	18.6		"	20.0		92.8			77.7-127	
p-Isopropyltoluene	9.10		"	10.0		91.0			75.6-129	
sec-Butylbenzene	9.28		"	10.0		92.8			71.5-125	
Styrene	9.19		"	10.0		91.9			77.8-123	
tert-Butylbenzene	9.27		"	10.0		92.7			75.9-151	
Tetrachloroethylene	9.07		"	10.0		90.7			63.6-167	
Toluene	9.19		"	10.0		91.9			77-123	
trans-1,2-Dichloroethylene	9.78		"	10.0		97.8			76.3-139	
trans-1,3-Dichloropropylene	9.42		"	10.0		94.2			72.5-137	
Trichloroethylene	9.31		"	10.0		93.1			77.9-130	
Trichlorofluoromethane	9.10		"	10.0		91.0			57.4-133	
Vinyl Chloride	8.55		"	10.0		85.5			54.9-124	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.55		"	10.0		95.5			72.6-129	
<i>Surrogate: p-Bromofluorobenzene</i>	9.68		"	10.0		96.8			63.5-145	
<i>Surrogate: Toluene-d8</i>	9.85		"	10.0		98.5			81.2-127	

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	Flag	RPD			
		Limit		Units	Level		Result	%REC	Limits	RPD
<b>Batch BB30573 - EPA 5030B</b>										
<b>LCS Dup (BB30573-BSD1)</b>										
Prepared: 02/20/2013 Analyzed: 02/21/2013										
1,1,1,2-Tetrachloroethane	9.92		ug/L	10.0	99.2	82.3-130	4.22	21.1		
1,1,1-Trichloroethane	10.1		"	10.0	101	75.6-137	7.48	19.7		
1,1,2,2-Tetrachloroethane	9.45		"	10.0	94.5	71.3-131	4.04	20.8		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5		"	10.0	115	71.1-129	5.26	21.7		
1,1,2-Trichloroethane	9.66		"	10.0	96.6	74.5-129	3.05	20.3		
1,1-Dichloroethane	10.4		"	10.0	104	79.6-132	5.31	20.6		
1,1-Dichloroethylene	10.3		"	10.0	103	80.2-146	5.29	20		
1,1-Dichloropropylene	9.91		"	10.0	99.1	75-136	6.14	19.3		
1,2,3-Trichlorobenzene	8.79		"	10.0	87.9	66.1-136	0.114	21.6		
1,2,3-Trichloropropane	9.09		"	10.0	90.9	63-131	7.21	23.9		
1,2,4-Trichlorobenzene	9.21		"	10.0	92.1	70.6-136	4.67	21.7		
1,2,4-Trimethylbenzene	9.04		"	10.0	90.4	75.3-135	3.03	18.8		
1,2-Dibromo-3-chloropropane	9.45		"	10.0	94.5	58.9-140	17.3	27.7		
1,2-Dibromoethane	8.99		"	10.0	89.9	79-130	3.82	23		
1,2-Dichlorobenzene	9.23		"	10.0	92.3	76.1-122	1.29	19.8		
1,2-Dichloroethane	9.78		"	10.0	97.8	74.6-132	2.07	20.2		
1,2-Dichloropropane	9.87		"	10.0	98.7	76.9-129	3.19	20.7		
1,3,5-Trimethylbenzene	9.53		"	10.0	95.3	70.6-127	4.95	18.9		
1,3-Dichlorobenzene	9.33		"	10.0	93.3	77-124	3.71	19.2		
1,3-Dichloropropane	9.47		"	10.0	94.7	75.8-126	0.632	22.1		
1,4-Dichlorobenzene	9.07		"	10.0	90.7	76.6-125	2.12	18.6		
2,2-Dichloropropane	8.48		"	10.0	84.8	69-133	4.83	19.8		
2-Chlorotoluene	9.17		"	10.0	91.7	66.3-119	1.21	21.6		
2-Hexanone	9.69		"	10.0	96.9	70-130	3.65	30		
4-Chlorotoluene	9.79		"	10.0	97.9	69.2-127	5.35	19		
Acetone	7.75		"	10.0	77.5	70-130	9.23	30		
Benzene	10.2		"	10.0	102	76.2-129	7.60	19		
Bromobenzene	9.41		"	10.0	94.1	71.3-123	1.50	20.3		
Bromochloromethane	10.1		"	10.0	101	70.8-137	1.38	23.9		
Bromodichloromethane	10.1		"	10.0	101	79.7-134	2.41	21		
Bromoform	9.88		"	10.0	98.8	70.5-141	0.101	21.8		
Bromomethane	8.99		"	10.0	89.9	43.9-147	4.90	28.4		
Carbon tetrachloride	10.5		"	10.0	105	78.1-138	10.1	20.1		
Chlorobenzene	9.71		"	10.0	97.1	80.4-125	3.67	19.9		
Chloroethane	9.39		"	10.0	93.9	55.8-140	4.80	23.3		
Chloroform	10.1		"	10.0	101	76.6-133	5.71	20.3		
Chloromethane	8.85		"	10.0	88.5	48.8-115	7.50	24.5		
cis-1,2-Dichloroethylene	10.4		"	10.0	104	75.1-128	6.66	20.5		
cis-1,3-Dichloropropylene	9.70		"	10.0	97.0	74.5-128	3.04	19.9		
Dibromochloromethane	9.82		"	10.0	98.2	79.8-134	0.818	21.3		
Dibromomethane	9.38		"	10.0	93.8	79-130	1.50	22.4		
Dichlorodifluoromethane	7.27		"	10.0	72.7	47.1-101	7.42	23.9		
Ethyl Benzene	10.0		"	10.0	100	80.8-128	5.75	19.2		
Hexachlorobutadiene	9.46		"	10.0	94.6	64.8-128	12.1	20.6		
Isopropylbenzene	9.74		"	10.0	97.4	75.5-135	5.05	20		
Methyl tert-butyl ether (MTBE)	8.52		"	10.0	85.2	65.1-140	5.80	23.6		
Methylene chloride	9.74		"	10.0	97.4	61.3-120	3.02	20.4		
Naphthalene	9.06		"	10.0	90.6	62.3-148	0.110	27.1		
n-Butylbenzene	9.04		"	10.0	90.4	67.2-123	6.16	19.1		
n-Propylbenzene	9.69		"	10.0	96.9	70.5-127	5.30	23.4		
o-Xylene	9.66		"	10.0	96.6	75.9-122	3.69	19.3		
p- & m- Xylenes	19.4		"	20.0	97.2	77.7-127	4.63	18.6		
p-Isopropyltoluene	9.62		"	10.0	96.2	75.6-129	5.56	19.1		
sec-Butylbenzene	9.66		"	10.0	96.6	71.5-125	4.01	18.9		

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	Limit	Flag
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**Batch BB30573 - EPA 5030B**

**LCS Dup (BB30573-BSD1)**

Prepared: 02/20/2013 Analyzed: 02/21/2013

Styrene	9.33		ug/L	10.0		93.3	77.8-123		1.51	20.9
tert-Butylbenzene	9.50		"	10.0		95.0	75.9-151		2.45	20.9
Tetrachloroethylene	9.74		"	10.0		97.4	63.6-167		7.12	27.7
Toluene	9.59		"	10.0		95.9	77-123		4.26	18.7
trans-1,2-Dichloroethylene	10.3		"	10.0		103	76.3-139		4.99	19.5
trans-1,3-Dichloropropylene	9.69		"	10.0		96.9	72.5-137		2.83	19.3
Trichloroethylene	9.83		"	10.0		98.3	77.9-130		5.43	20.5
Trichlorofluoromethane	9.69		"	10.0		96.9	57.4-133		6.28	21.4
Vinyl Chloride	9.09		"	10.0		90.9	54.9-124		6.12	22.3
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>72.6-129</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>63.5-145</i>			
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81.2-127</i>			

# YORK

ANALYTICAL LABORATORIES, INC.

## Metals by EPA 6000 Series Methods - 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 BB30553 - EPA 3010A</b>											
<b>Blank (BB30553-BLK1)</b>										Prepared & Analyzed: 02/19/2013	
Iron - Dissolved	ND	0.0200	mg/L								
<b>Duplicate (BB30553-DUP1)</b>										*Source sample: 13B0435-01 (WQ021413:1150NP2-10) Prepared & Analyzed: 02/19/2013	
Iron - Dissolved	0.0331	0.0200	mg/L		0.0347				4.72	20	
<b>Matrix Spike (BB30553-MS1)</b>										*Source sample: 13B0435-01 (WQ021413:1150NP2-10) Prepared & Analyzed: 02/19/2013	
Iron - Dissolved	1.10	0.0200	mg/L	1.00	0.0347	107	75-125				
<b>Reference (BB30553-SRM1)</b>										Prepared & Analyzed: 02/19/2013	
Iron - Dissolved	0.466	0.0200	mg/L	0.462		101	87.9-114				

## Metals by EPA 200 Series Methods - 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 BB30553 - EPA 3010A</b>											
<b>Blank (BB30553-BLK1)</b>											
								Prepared & Analyzed: 02/19/2013			
Iron	ND	0.0200	mg/L								
<b>Duplicate (BB30553-DUP1)</b>											
								Prepared & Analyzed: 02/19/2013			
Iron	9.31	0.0200	mg/L		9.26				0.538	20	
<b>Matrix Spike (BB30553-MS1)</b>											
								Prepared & Analyzed: 02/19/2013			
Iron	10.2	0.0200	mg/L	1.00	9.26	98.9	75-125				
<b>Reference (BB30553-SRM1)</b>											
								Prepared & Analyzed: 02/19/2013			
Iron	0.466	0.0200	mg/L	0.462		101	87.9-114				

## Miscellaneous Physical/Conventional Chemistry Parameters - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag
<b>Batch BB30548 - % Solids Prep</b>									
<b>Blank (BB30548-BLK1)</b>							Prepared & Analyzed: 02/20/2013		
Total Dissolved Solids	ND	1.00	mg/L						
<b>Duplicate (BB30548-DUP1)</b>							Prepared & Analyzed: 02/20/2013		
*Source sample: 13B0435-01 (WQ021413:1150NP2-10)									
Total Dissolved Solids	279	1.00	mg/L		263			5.90	15

## Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13B0434-01	WQ021413:1140NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13B0434-02	WQ021413:1145NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13B0435-01	WQ021413:1150NP2-10	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); therefore, 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.
- 
- ND** Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
- RL** REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- MDL** METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
- 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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

# YORK

ANALYTICAL LABORATORIES, INC.  
120 RESEARCH DR. STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0156

# 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. 13 B0434

<b>YOUR INFORMATION</b> Company: <u>LBG</u> Address: <u>4 Research Dr. Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sandor</u> E-Mail Address: <u>TSandor@LBG-CT.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> RWE Industries 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 CT RCP DQ/DUE Pkg NY ASP A Package NY ASP B Package <u>NP2 TO ONLY</u> , pdf. NJDEP Red. Deliv. Electronic Data Deliverables (EDD) Simple Excel <input checked="" type="checkbox"/> NY SDEC EQUIS EQUIS (std) EZ-EDD (EQUIS) NJDEP SRP HazSite EDD GIS/KEY (std) Other York Regulatory Comparison Excel Spreadsheet Compare to the following (Reg. (please fill in)).			
<b>Volatiles</b> 8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list		<b>Semi-Vols</b> 8270 or 625 STARS list BN Only Aents Only PAH list TAGM list CT RCP list TCL list NJDEP list App. IX STP or TCLP		<b>Pest/Insect</b> 8082 PCB 8081 Pest 815 Herb CT RCP App. IX Site Spec. STP or TCLP Total Dissolved STP or TCLP Air VPH Ind. Meths LIST Below 608 PCB		<b>Metals</b> RCRA8 PF13 list TAL CT15 list TAGM list NJDEP list Total Dissolved STP or TCLP Air VPH Ind. Meths LIST Below 608 PCB		<b>Misc. Org.</b> TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Medicine Halogen		<b>Full Lists</b> Pri/Poll. TCL Opacts TAL MetCN Full TCLP Full App IX Part 360/Refr Part 360/Refr Part 360/Refr Part 360/Refr NY SDEC Swr NY SDEC Swr Adbestos Silica		<b>Container Description(s)</b> 2V 2P 2V 2P 2V 3P	

<b>Choose Analyses Needed from the Menu Above and Enter Below</b> Fe by EPA 800.7 Fe, Dissolved by EPA 6010 (SW 846-6108) / VOCs, P260 List (EPA SW 845-8260B) plus Fe on 113 Fe by EPA 800.7 Fe, Dissolved by EPA 6010 (SW 846-6108) / VOCs P260 List (EPA SW 845-8260B) plus Fe on 113 / TDS (9H 2540C)		<b>4°C</b> <input checked="" type="checkbox"/> <b>Frozen</b> <input type="checkbox"/> <b>HCl</b> <input checked="" type="checkbox"/> <b>MeOH</b> _____ <b>HNO<sub>3</sub></b> <input checked="" type="checkbox"/> <b>H<sub>2</sub>SO<sub>4</sub></b> _____ <b>NaOH</b> _____ ZnAc _____ <b>Ascorbic Acid</b> _____ <b>Other</b> _____		<b>Temperature on Receipt</b> 3.9 °C					
<b>Sample Identification</b> WQ021413-1140NP2-6 WQ021413-1145NP2-7 WQ021413-1150NP2-10		<b>Date Sampled</b> 2/14/13 1140 1145 1150		<b>Sample Matrix</b> GW GW GW		<b>Preservation</b> Check those Applicable Special Instructions Field Filled <input type="checkbox"/> Lab to Filter <input type="checkbox"/>		<b>Comments</b> Samples Relinquished By: <u>Danew Nove</u> Date/Time: <u>2/15/13 12:23</u> Samples Relinquished By: <u>Tunde Sandor</u> Date/Time: <u>2/15/13-1400</u>	



# YORK

ANALYTICAL LABORATORIES, INC.

## Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 03/01/2013

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 13B0668

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 03/01/2013  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 13B0668

**Leggette Brashears & Graham Shelton Office**  
4 Research Drive, Suite 301  
Shelton CT, 06484  
Attention: Tunde Komuves-Sandor

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 25, 2013 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>
13B0668-01	WQ022013:1110NP2-6	Water	02/20/2013	02/25/2013
13B0668-02	WQ022013:1120NP2-7	Water	02/20/2013	02/25/2013
13B0669-01	WQ022013:1130NP2-10	Water	02/20/2013	02/25/2013

## General Notes for York Project (SDG) No.: 13B0668

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:



Robert Q. Bradley  
Laboratory Director

Date: 03/01/2013

**YORK**

## Sample Information

**Client Sample ID:** WQ022013:1110NP2-6

**York Sample ID:** 13B0668-01

York Project (SDG) No.  
13B0668

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 11:10 am

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
71-55-6	1,1,1-Trichloroethane	<b>0.65</b>		ug/L	0.024	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
75-34-3	1,1-Dichloroethane	<b>0.18</b>	J	ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS

## Sample Information

**Client Sample ID:** WQ022013:1110NP2-6

**York Sample ID:** 13B0668-01

York Project (SDG) No.  
13B0668

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 11:10 am

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
75-09-2	Methylene chloride	<b>0.93</b>	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
91-20-3	Naphthalene	<b>0.13</b>	J, B	ug/L	0.090	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
127-18-4	Tetrachloroethylene	<b>1.1</b>		ug/L	0.070	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
79-01-6	Trichloroethylene	<b>0.21</b>	J	ug/L	0.071	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 12:39	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	98.8 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	102 %			81.2-127						

## Sample Information

**Client Sample ID:** WQ022013:1110NP2-6

**York Sample ID:** 13B0668-01

York Project (SDG) No.  
13B0668

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 11:10 am

Date Received  
02/25/2013

**Iron, Dissolved by EPA 6010**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.183		mg/L	0.0100	0.0200	1	EPA SW846-6010B	02/26/2013 14:37	02/26/2013 17:58	MW

**Iron by EPA 200.7**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.807		mg/L	0.0100	0.0200	1	EPA 200.7	02/26/2013 14:37	02/26/2013 18:03	MW

## Sample Information

**Client Sample ID:** WQ022013:1120NP2-7

**York Sample ID:** 13B0668-02

York Project (SDG) No.  
13B0668

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 11:20 am

Date Received  
02/25/2013

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS

## Sample Information

**Client Sample ID:** WQ022013:1120NP2-7

**York Sample ID:** 13B0668-02

York Project (SDG) No.  
13B0668

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 11:20 am

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
75-09-2	Methylene chloride	1.0	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS

## Sample Information

**Client Sample ID:** WQ022013:1120NP2-7

**York Sample ID:** 13B0668-02

York Project (SDG) No.  
13B0668

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 11:20 am

Date Received  
02/25/2013

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 13:15	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.7 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	102 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	103 %			81.2-127						

**Iron, Dissolved by EPA 6010**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	<b>0.318</b>		mg/L	0.0100	0.0200	1	EPA SW846-6010B	02/26/2013 14:37	02/26/2013 18:08	MW

**Iron by EPA 200.7**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	<b>9.40</b>		mg/L	0.0100	0.0200	1	EPA 200.7	02/26/2013 14:37	02/26/2013 18:13	MW

## Sample Information

**Client Sample ID:** WQ022013:1130NP2-10

**York Sample ID:** 13B0669-01

York Project (SDG) No.  
13B0669

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 11:30 am

Date Received  
02/25/2013

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS

## Sample Information

**Client Sample ID:** WQ022013:1130NP2-10

**York Sample ID:** 13B0669-01

York Project (SDG) No.  
13B0669

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 11:30 am

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS

## Sample Information

**Client Sample ID:** WQ022013:1130NP2-10

**York Sample ID:** 13B0669-01

York Project (SDG) No.  
13B0669

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 11:30 am

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
75-09-2	Methylene chloride	<b>0.91</b>	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
91-20-3	Naphthalene	<b>0.20</b>	J	ug/L	0.090	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 07:12	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	95.6 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	102 %	81.2-127								

## Sample Information

**Client Sample ID:** WQ022013:1130NP2-10

**York Sample ID:** 13B0669-01

York Project (SDG) No.  
13B0669

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 11:30 am

Date Received  
02/25/2013

**Iron, Dissolved by EPA 6010**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0555		mg/L	0.0100	0.0200	1	EPA SW846-6010B	02/26/2013 14:37	02/26/2013 18:17	MW

**Iron by EPA 200.7**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	11.6		mg/L	0.0100	0.0200	1	EPA 200.7	02/26/2013 14:37	02/26/2013 18:46	MW

**Total Dissolved Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	118		mg/L	1.00	1.00	1	SM 2540C	02/27/2013 09:54	03/01/2013 09:54	ALD

## Analytical Batch Summary

**Batch ID:** BB30860

**Preparation Method:** EPA 3010A

**Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13B0668-01	WQ022013:1110NP2-6	02/26/13
13B0668-01	WQ022013:1110NP2-6	02/26/13
13B0668-02	WQ022013:1120NP2-7	02/26/13
13B0668-02	WQ022013:1120NP2-7	02/26/13
13B0669-01	WQ022013:1130NP2-10	02/26/13
13B0669-01	WQ022013:1130NP2-10	02/26/13
BB30860-BLK1	Blank	02/26/13
BB30860-BLK1	Blank	02/26/13
BB30860-DUP1	Duplicate	02/26/13
BB30860-DUP1	Duplicate	02/26/13
BB30860-MS1	Matrix Spike	02/26/13
BB30860-MS1	Matrix Spike	02/26/13
BB30860-SRM1	Reference	02/26/13
BB30860-SRM1	Reference	02/26/13

**Batch ID:** BB30902

**Preparation Method:** EPA 5030B

**Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
13B0669-01	WQ022013:1130NP2-10	02/27/13
BB30902-BLK1	Blank	02/27/13
BB30902-BS1	LCS	02/27/13
BB30902-BSD1	LCS Dup	02/27/13

**Batch ID:** BB30944

**Preparation Method:** EPA 5030B

**Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13B0668-01	WQ022013:1110NP2-6	02/28/13
13B0668-02	WQ022013:1120NP2-7	02/28/13
BB30944-BLK1	Blank	02/28/13
BB30944-BS1	LCS	02/28/13
BB30944-BSD1	LCS Dup	02/28/13

**Batch ID:** BB30984

**Preparation Method:** % Solids Prep

**Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13B0669-01	WQ022013:1130NP2-10	02/27/13
BB30984-BLK1	Blank	03/01/13

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30902 - EPA 5030B**

**Blank (BB30902-BLK1)**

Prepared & Analyzed: 02/27/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
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	3.7	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	1.9	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC %REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BB30902 - EPA 5030B**

**Blank (BB30902-BLK1)**

Prepared & Analyzed: 02/27/2013

Styrene	ND	0.50	ug/L							
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

72.6-129

*Surrogate: p-Bromofluorobenzene*

9.69

"

10.0

96.9

63.5-145

*Surrogate: Toluene-d8*

9.87

"

10.0

98.7

81.2-127

**LCS (BB30902-BS1)**

Prepared & Analyzed: 02/27/2013

1,1,1,2-Tetrachloroethane	9.53		ug/L	10.0		95.3	82.3-130			
1,1,1-Trichloroethane	10.2		"	10.0		102	75.6-137			
1,1,2,2-Tetrachloroethane	9.14		"	10.0		91.4	71.3-131			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4		"	10.0		114	71.1-129			
1,1,2-Trichloroethane	9.55		"	10.0		95.5	74.5-129			
1,1-Dichloroethane	10.4		"	10.0		104	79.6-132			
1,1-Dichloroethylene	10.1		"	10.0		101	80.2-146			
1,1-Dichloropropylene	9.80		"	10.0		98.0	75-136			
1,2,3-Trichlorobenzene	8.48		"	10.0		84.8	66.1-136			
1,2,3-Trichloropropane	9.30		"	10.0		93.0	63-131			
1,2,4-Trichlorobenzene	8.73		"	10.0		87.3	70.6-136			
1,2,4-Trimethylbenzene	9.86		"	10.0		98.6	75.3-135			
1,2-Dibromo-3-chloropropane	11.8		"	10.0		118	58.9-140			
1,2-Dibromoethane	9.12		"	10.0		91.2	79-130			
1,2-Dichlorobenzene	9.10		"	10.0		91.0	76.1-122			
1,2-Dichloroethane	10.2		"	10.0		102	74.6-132			
1,2-Dichloropropane	9.65		"	10.0		96.5	76.9-129			
1,3,5-Trimethylbenzene	9.73		"	10.0		97.3	70.6-127			
1,3-Dichlorobenzene	9.21		"	10.0		92.1	77-124			
1,3-Dichloropropane	9.74		"	10.0		97.4	75.8-126			
1,4-Dichlorobenzene	8.97		"	10.0		89.7	76.6-125			
2,2-Dichloropropane	8.15		"	10.0		81.5	69-133			
2-Chlorotoluene	9.01		"	10.0		90.1	66.3-119			
2-Hexanone	9.78		"	10.0		97.8	70-130			
4-Chlorotoluene	9.58		"	10.0		95.8	69.2-127			
Acetone	10.6		"	10.0		106	70-130			
Benzene	10.1		"	10.0		101	76.2-129			
Bromobenzene	9.20		"	10.0		92.0	71.3-123			
Bromochloromethane	9.83		"	10.0		98.3	70.8-137			
Bromodichloromethane	10.3		"	10.0		103	79.7-134			
Bromoform	9.21		"	10.0		92.1	70.5-141			
Bromomethane	6.91		"	10.0		69.1	43.9-147			
Carbon tetrachloride	10.6		"	10.0		106	78.1-138			
Chlorobenzene	9.49		"	10.0		94.9	80.4-125			
Chloroethane	9.27		"	10.0		92.7	55.8-140			
Chloroform	10.5		"	10.0		105	76.6-133			
Chloromethane	7.40		"	10.0		74.0	48.8-115			
cis-1,2-Dichloroethylene	10.5		"	10.0		105	75.1-128			
cis-1,3-Dichloropropylene	9.48		"	10.0		94.8	74.5-128			

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BB30902 - EPA 5030B</b>										
<b>LCS (BB30902-BS1)</b>										
Prepared & Analyzed: 02/27/2013										
Dibromochloromethane	9.55		ug/L	10.0		95.5			79.8-134	
Dibromomethane	9.56		"	10.0		95.6			79-130	
Dichlorodifluoromethane	4.91		"	10.0		49.1			47.1-101	
Ethyl Benzene	10.2		"	10.0		102			80.8-128	
Hexachlorobutadiene	8.64		"	10.0		86.4			64.8-128	
Isopropylbenzene	9.10		"	10.0		91.0			75.5-135	
Methyl tert-butyl ether (MTBE)	8.21		"	10.0		82.1			65.1-140	
Methylene chloride	11.4		"	10.0		114			61.3-120	
Naphthalene	8.61		"	10.0		86.1			62.3-148	
n-Butylbenzene	9.57		"	10.0		95.7			67.2-123	
n-Propylbenzene	9.34		"	10.0		93.4			70.5-127	
o-Xylene	10.1		"	10.0		101			75.9-122	
p- & m- Xylenes	20.2		"	20.0		101			77.7-127	
p-Isopropyltoluene	9.34		"	10.0		93.4			75.6-129	
sec-Butylbenzene	9.53		"	10.0		95.3			71.5-125	
Styrene	11.6		"	10.0		116			77.8-123	
tert-Butylbenzene	9.37		"	10.0		93.7			75.9-151	
Tetrachloroethylene	9.57		"	10.0		95.7			63.6-167	
Toluene	9.71		"	10.0		97.1			77-123	
trans-1,2-Dichloroethylene	10.1		"	10.0		101			76.3-139	
trans-1,3-Dichloropropylene	9.47		"	10.0		94.7			72.5-137	
Trichloroethylene	9.60		"	10.0		96.0			77.9-130	
Trichlorofluoromethane	10.0		"	10.0		100			57.4-133	
Vinyl Chloride	8.45		"	10.0		84.5			54.9-124	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>			<i>72.6-129</i>	
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.38</i>		<i>"</i>	<i>10.0</i>		<i>93.8</i>			<i>63.5-145</i>	
<i>Surrogate: Toluene-d8</i>	<i>9.96</i>		<i>"</i>	<i>10.0</i>		<i>99.6</i>			<i>81.2-127</i>	

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30902 - EPA 5030B</b>											
<b>LCS Dup (BB30902-BSD1)</b>											
Prepared & Analyzed: 02/27/2013											
1,1,1,2-Tetrachloroethane	9.78		ug/L	10.0		97.8	82.3-130		2.59	21.1	
1,1,1-Trichloroethane	10.0		"	10.0		100	75.6-137		2.17	19.7	
1,1,2,2-Tetrachloroethane	9.96		"	10.0		99.6	71.3-131		8.59	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1		"	10.0		111	71.1-129		2.13	21.7	
1,1,2-Trichloroethane	9.36		"	10.0		93.6	74.5-129		2.01	20.3	
1,1-Dichloroethane	10.2		"	10.0		102	79.6-132		2.62	20.6	
1,1-Dichloroethylene	9.78		"	10.0		97.8	80.2-146		3.12	20	
1,1-Dichloropropylene	9.53		"	10.0		95.3	75-136		2.79	19.3	
1,2,3-Trichlorobenzene	8.67		"	10.0		86.7	66.1-136		2.22	21.6	
1,2,3-Trichloropropane	9.15		"	10.0		91.5	63-131		1.63	23.9	
1,2,4-Trichlorobenzene	8.92		"	10.0		89.2	70.6-136		2.15	21.7	
1,2,4-Trimethylbenzene	9.72		"	10.0		97.2	75.3-135		1.43	18.8	
1,2-Dibromo-3-chloropropane	11.5		"	10.0		115	58.9-140		2.06	27.7	
1,2-Dibromoethane	9.28		"	10.0		92.8	79-130		1.74	23	
1,2-Dichlorobenzene	9.30		"	10.0		93.0	76.1-122		2.17	19.8	
1,2-Dichloroethane	9.87		"	10.0		98.7	74.6-132		3.19	20.2	
1,2-Dichloropropane	9.67		"	10.0		96.7	76.9-129		0.207	20.7	
1,3,5-Trimethylbenzene	9.62		"	10.0		96.2	70.6-127		1.14	18.9	
1,3-Dichlorobenzene	9.08		"	10.0		90.8	77-124		1.42	19.2	
1,3-Dichloropropane	9.75		"	10.0		97.5	75.8-126		0.103	22.1	
1,4-Dichlorobenzene	8.91		"	10.0		89.1	76.6-125		0.671	18.6	
2,2-Dichloropropane	8.03		"	10.0		80.3	69-133		1.48	19.8	
2-Chlorotoluene	9.03		"	10.0		90.3	66.3-119		0.222	21.6	
2-Hexanone	10.6		"	10.0		106	70-130		7.58	30	
4-Chlorotoluene	9.51		"	10.0		95.1	69.2-127		0.733	19	
Acetone	10.7		"	10.0		107	70-130		1.31	30	
Benzene	9.77		"	10.0		97.7	76.2-129		3.52	19	
Bromobenzene	9.25		"	10.0		92.5	71.3-123		0.542	20.3	
Bromochloromethane	10.0		"	10.0		100	70.8-137		2.21	23.9	
Bromodichloromethane	9.87		"	10.0		98.7	79.7-134		4.36	21	
Bromoform	9.78		"	10.0		97.8	70.5-141		6.00	21.8	
Bromomethane	7.03		"	10.0		70.3	43.9-147		1.72	28.4	
Carbon tetrachloride	9.98		"	10.0		99.8	78.1-138		6.50	20.1	
Chlorobenzene	9.51		"	10.0		95.1	80.4-125		0.211	19.9	
Chloroethane	9.25		"	10.0		92.5	55.8-140		0.216	23.3	
Chloroform	10.0		"	10.0		100	76.6-133		4.47	20.3	
Chloromethane	7.14		"	10.0		71.4	48.8-115		3.58	24.5	
cis-1,2-Dichloroethylene	9.87		"	10.0		98.7	75.1-128		6.38	20.5	
cis-1,3-Dichloropropylene	9.41		"	10.0		94.1	74.5-128		0.741	19.9	
Dibromochloromethane	9.80		"	10.0		98.0	79.8-134		2.58	21.3	
Dibromomethane	9.56		"	10.0		95.6	79-130		0.00	22.4	
Dichlorodifluoromethane	4.43		"	10.0		44.3	47.1-101	Low Bias	10.3	23.9	
Ethyl Benzene	10.1		"	10.0		101	80.8-128		0.494	19.2	
Hexachlorobutadiene	8.17		"	10.0		81.7	64.8-128		5.59	20.6	
Isopropylbenzene	9.03		"	10.0		90.3	75.5-135		0.772	20	
Methyl tert-butyl ether (MTBE)	8.36		"	10.0		83.6	65.1-140		1.81	23.6	
Methylene chloride	11.3		"	10.0		113	61.3-120		0.971	20.4	
Naphthalene	9.35		"	10.0		93.5	62.3-148		8.24	27.1	
n-Butylbenzene	9.32		"	10.0		93.2	67.2-123		2.65	19.1	
n-Propylbenzene	9.02		"	10.0		90.2	70.5-127		3.49	23.4	
o-Xylene	9.79		"	10.0		97.9	75.9-122		2.82	19.3	
p- & m- Xylenes	19.8		"	20.0		98.9	77.7-127		2.35	18.6	
p-Isopropyltoluene	9.15		"	10.0		91.5	75.6-129		2.06	19.1	
sec-Butylbenzene	9.29		"	10.0		92.9	71.5-125		2.55	18.9	

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30902 - EPA 5030B**

**LCS Dup (BB30902-BSD1)**

Prepared & Analyzed: 02/27/2013

Styrene	11.5		ug/L	10.0		115	77.8-123		1.30	20.9	
tert-Butylbenzene	9.36		"	10.0		93.6	75.9-151		0.107	20.9	
Tetrachloroethylene	9.45		"	10.0		94.5	63.6-167		1.26	27.7	
Toluene	9.45		"	10.0		94.5	77-123		2.71	18.7	
trans-1,2-Dichloroethylene	9.91		"	10.0		99.1	76.3-139		2.10	19.5	
trans-1,3-Dichloropropylene	9.54		"	10.0		95.4	72.5-137		0.736	19.3	
Trichloroethylene	9.44		"	10.0		94.4	77.9-130		1.68	20.5	
Trichlorofluoromethane	9.77		"	10.0		97.7	57.4-133		2.63	21.4	
Vinyl Chloride	7.88		"	10.0		78.8	54.9-124		6.98	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.75</i>		<i>"</i>	<i>10.0</i>		<i>97.5</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.96</i>		<i>"</i>	<i>10.0</i>		<i>99.6</i>	<i>81.2-127</i>				

**Batch BB30944 - EPA 5030B**

**Blank (BB30944-BLK1)**

Prepared & Analyzed: 02/28/2013

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

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30944 - EPA 5030B**

**Blank (BB30944-BLK1)**

Prepared & Analyzed: 02/28/2013

cis-1,3-Dichloropropylene	ND	0.50	ug/L								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	2.7	2.0	"								
Naphthalene	0.56	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.34</i>		<i>"</i>	<i>10.0</i>		<i>93.4</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81.2-127</i>				

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
		Limit			Result	%REC			RPD		
<b>Batch BB30944 - EPA 5030B</b>											
<b>LCS (BB30944-BS1)</b>										Prepared & Analyzed: 02/28/2013	
1,1,1,2-Tetrachloroethane	9.59		ug/L	10.0		95.9	82.3-130				
1,1,1-Trichloroethane	10.2		"	10.0		102	75.6-137				
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	71.1-129				
1,1,2-Trichloroethane	10.2		"	10.0		102	74.5-129				
1,1-Dichloroethane	9.96		"	10.0		99.6	79.6-132				
1,1-Dichloroethylene	9.47		"	10.0		94.7	80.2-146				
1,1-Dichloropropylene	9.32		"	10.0		93.2	75-136				
1,2,3-Trichlorobenzene	9.04		"	10.0		90.4	66.1-136				
1,2,3-Trichloropropane	9.57		"	10.0		95.7	63-131				
1,2,4-Trichlorobenzene	9.11		"	10.0		91.1	70.6-136				
1,2,4-Trimethylbenzene	9.80		"	10.0		98.0	75.3-135				
1,2-Dibromo-3-chloropropane	12.2		"	10.0		122	58.9-140				
1,2-Dibromoethane	9.65		"	10.0		96.5	79-130				
1,2-Dichlorobenzene	9.29		"	10.0		92.9	76.1-122				
1,2-Dichloroethane	10.3		"	10.0		103	74.6-132				
1,2-Dichloropropane	10.1		"	10.0		101	76.9-129				
1,3,5-Trimethylbenzene	9.77		"	10.0		97.7	70.6-127				
1,3-Dichlorobenzene	8.95		"	10.0		89.5	77-124				
1,3-Dichloropropane	9.96		"	10.0		99.6	75.8-126				
1,4-Dichlorobenzene	8.80		"	10.0		88.0	76.6-125				
2,2-Dichloropropane	9.94		"	10.0		99.4	69-133				
2-Chlorotoluene	8.84		"	10.0		88.4	66.3-119				
2-Hexanone	11.3		"	10.0		113	70-130				
4-Chlorotoluene	9.54		"	10.0		95.4	69.2-127				
Acetone	7.26		"	10.0		72.6	70-130				
Benzene	10.0		"	10.0		100	76.2-129				
Bromobenzene	9.33		"	10.0		93.3	71.3-123				
Bromochloromethane	10.2		"	10.0		102	70.8-137				
Bromodichloromethane	10.3		"	10.0		103	79.7-134				
Bromoform	9.61		"	10.0		96.1	70.5-141				
Bromomethane	5.45		"	10.0		54.5	43.9-147				
Carbon tetrachloride	9.75		"	10.0		97.5	78.1-138				
Chlorobenzene	9.63		"	10.0		96.3	80.4-125				
Chloroethane	8.15		"	10.0		81.5	55.8-140				
Chloroform	10.4		"	10.0		104	76.6-133				
Chloromethane	4.90		"	10.0		49.0	48.8-115				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	75.1-128				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	74.5-128				
Dibromochloromethane	9.81		"	10.0		98.1	79.8-134				
Dibromomethane	10.4		"	10.0		104	79-130				
Dichlorodifluoromethane	2.66		"	10.0		26.6	47.1-101	Low Bias			
Ethyl Benzene	10.3		"	10.0		103	80.8-128				
Hexachlorobutadiene	9.11		"	10.0		91.1	64.8-128				
Isopropylbenzene	8.97		"	10.0		89.7	75.5-135				
Methyl tert-butyl ether (MTBE)	8.81		"	10.0		88.1	65.1-140				
Methylene chloride	12.5		"	10.0		125	61.3-120	High Bias			
Naphthalene	9.37		"	10.0		93.7	62.3-148				
n-Butylbenzene	9.66		"	10.0		96.6	67.2-123				
n-Propylbenzene	9.27		"	10.0		92.7	70.5-127				
o-Xylene	10.2		"	10.0		102	75.9-122				
p- & m- Xylenes	20.2		"	20.0		101	77.7-127				
p-Isopropyltoluene	9.13		"	10.0		91.3	75.6-129				
sec-Butylbenzene	9.23		"	10.0		92.3	71.5-125				

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	Flag	RPD		
		Limit			Result	Limits		RPD	Limit	Flag
<b>Batch BB30944 - EPA 5030B</b>										
<b>LCS (BB30944-BS1)</b>					Prepared & Analyzed: 02/28/2013					
Styrene	11.8		ug/L	10.0	118	77.8-123				
tert-Butylbenzene	9.08		"	10.0	90.8	75.9-151				
Tetrachloroethylene	9.34		"	10.0	93.4	63.6-167				
Toluene	9.73		"	10.0	97.3	77-123				
trans-1,2-Dichloroethylene	9.66		"	10.0	96.6	76.3-139				
trans-1,3-Dichloropropylene	10.5		"	10.0	105	72.5-137				
Trichloroethylene	9.52		"	10.0	95.2	77.9-130				
Trichlorofluoromethane	8.54		"	10.0	85.4	57.4-133				
Vinyl Chloride	6.37		"	10.0	63.7	54.9-124				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>	<i>101</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.63</i>		<i>"</i>	<i>10.0</i>	<i>96.3</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>	<i>102</i>	<i>81.2-127</i>				
<b>LCS Dup (BB30944-BS1)</b>					Prepared & Analyzed: 02/28/2013					
1,1,1,2-Tetrachloroethane	9.18		ug/L	10.0	91.8	82.3-130		4.37	21.1	
1,1,1-Trichloroethane	9.76		"	10.0	97.6	75.6-137		4.80	19.7	
1,1,2,2-Tetrachloroethane	8.77		"	10.0	87.7	71.3-131		13.8	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.99		"	10.0	99.9	71.1-129		4.41	21.7	
1,1,2-Trichloroethane	9.03		"	10.0	90.3	74.5-129		11.7	20.3	
1,1-Dichloroethane	9.74		"	10.0	97.4	79.6-132		2.23	20.6	
1,1-Dichloroethylene	8.85		"	10.0	88.5	80.2-146		6.77	20	
1,1-Dichloropropylene	9.35		"	10.0	93.5	75-136		0.321	19.3	
1,2,3-Trichlorobenzene	7.81		"	10.0	78.1	66.1-136		14.6	21.6	
1,2,3-Trichloropropane	8.36		"	10.0	83.6	63-131		13.5	23.9	
1,2,4-Trichlorobenzene	8.22		"	10.0	82.2	70.6-136		10.3	21.7	
1,2,4-Trimethylbenzene	8.92		"	10.0	89.2	75.3-135		9.40	18.8	
1,2-Dibromo-3-chloropropane	11.4		"	10.0	114	58.9-140		6.68	27.7	
1,2-Dibromoethane	8.82		"	10.0	88.2	79-130		8.99	23	
1,2-Dichlorobenzene	8.31		"	10.0	83.1	76.1-122		11.1	19.8	
1,2-Dichloroethane	9.52		"	10.0	95.2	74.6-132		7.77	20.2	
1,2-Dichloropropane	9.20		"	10.0	92.0	76.9-129		9.03	20.7	
1,3,5-Trimethylbenzene	8.98		"	10.0	89.8	70.6-127		8.43	18.9	
1,3-Dichlorobenzene	8.70		"	10.0	87.0	77-124		2.83	19.2	
1,3-Dichloropropane	9.17		"	10.0	91.7	75.8-126		8.26	22.1	
1,4-Dichlorobenzene	8.20		"	10.0	82.0	76.6-125		7.06	18.6	
2,2-Dichloropropane	9.51		"	10.0	95.1	69-133		4.42	19.8	
2-Chlorotoluene	8.39		"	10.0	83.9	66.3-119		5.22	21.6	
2-Hexanone	10.2		"	10.0	102	70-130		10.3	30	
4-Chlorotoluene	8.89		"	10.0	88.9	69.2-127		7.05	19	
Acetone	6.97		"	10.0	69.7	70-130	Low Bias	4.08	30	
Benzene	9.45		"	10.0	94.5	76.2-129		5.66	19	
Bromobenzene	8.14		"	10.0	81.4	71.3-123		13.6	20.3	
Bromochloromethane	9.99		"	10.0	99.9	70.8-137		2.57	23.9	
Bromodichloromethane	9.60		"	10.0	96.0	79.7-134		7.04	21	
Bromoform	8.53		"	10.0	85.3	70.5-141		11.9	21.8	
Bromomethane	5.50		"	10.0	55.0	43.9-147		0.913	28.4	
Carbon tetrachloride	9.76		"	10.0	97.6	78.1-138		0.103	20.1	
Chlorobenzene	9.12		"	10.0	91.2	80.4-125		5.44	19.9	
Chloroethane	8.02		"	10.0	80.2	55.8-140		1.61	23.3	
Chloroform	9.77		"	10.0	97.7	76.6-133		5.86	20.3	
Chloromethane	4.94		"	10.0	49.4	48.8-115		0.813	24.5	
cis-1,2-Dichloroethylene	9.91		"	10.0	99.1	75.1-128		3.08	20.5	
cis-1,3-Dichloropropylene	9.26		"	10.0	92.6	74.5-128		9.66	19.9	
Dibromochloromethane	9.30		"	10.0	93.0	79.8-134		5.34	21.3	

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BB30944 - EPA 5030B</b>										
<b>LCS Dup (BB30944-BSD1)</b>										
Prepared & Analyzed: 02/28/2013										
Dibromomethane	9.07		ug/L	10.0		90.7 79-130		13.7	22.4	
Dichlorodifluoromethane	2.51		"	10.0		25.1 47.1-101	Low Bias	5.80	23.9	
Ethyl Benzene	9.75		"	10.0		97.5 80.8-128		5.39	19.2	
Hexachlorobutadiene	8.10		"	10.0		81.0 64.8-128		11.7	20.6	
Isopropylbenzene	8.41		"	10.0		84.1 75.5-135		6.44	20	
Methyl tert-butyl ether (MTBE)	7.96		"	10.0		79.6 65.1-140		10.1	23.6	
Methylene chloride	11.9		"	10.0		119 61.3-120		5.17	20.4	
Naphthalene	8.05		"	10.0		80.5 62.3-148		15.2	27.1	
n-Butylbenzene	8.82		"	10.0		88.2 67.2-123		9.09	19.1	
n-Propylbenzene	8.58		"	10.0		85.8 70.5-127		7.73	23.4	
o-Xylene	9.49		"	10.0		94.9 75.9-122		6.72	19.3	
p- & m- Xylenes	19.4		"	20.0		97.2 77.7-127		3.88	18.6	
p-Isopropyltoluene	8.37		"	10.0		83.7 75.6-129		8.69	19.1	
sec-Butylbenzene	8.61		"	10.0		86.1 71.5-125		6.95	18.9	
Styrene	11.2		"	10.0		112 77.8-123		5.04	20.9	
tert-Butylbenzene	8.44		"	10.0		84.4 75.9-151		7.31	20.9	
Tetrachloroethylene	8.89		"	10.0		88.9 63.6-167		4.94	27.7	
Toluene	9.16		"	10.0		91.6 77-123		6.03	18.7	
trans-1,2-Dichloroethylene	9.29		"	10.0		92.9 76.3-139		3.91	19.5	
trans-1,3-Dichloropropylene	9.50		"	10.0		95.0 72.5-137		9.62	19.3	
Trichloroethylene	9.08		"	10.0		90.8 77.9-130		4.73	20.5	
Trichlorofluoromethane	8.25		"	10.0		82.5 57.4-133		3.45	21.4	
Vinyl Chloride	6.05		"	10.0		60.5 54.9-124		5.15	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.9</i>		<i>"</i>	<i>10.0</i>		<i>109 72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.49</i>		<i>"</i>	<i>10.0</i>		<i>94.9 63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100 81.2-127</i>				

# YORK

ANALYTICAL LABORATORIES, INC.

## Metals by EPA 6000 Series Methods - 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 BB30860 - EPA 3010A</b>											
<b>Blank (BB30860-BLK1)</b>											
								Prepared & Analyzed: 02/26/2013			
Iron - Dissolved	ND	0.0200	mg/L								
<b>Duplicate (BB30860-DUP1)</b>											
								Prepared & Analyzed: 02/26/2013			
Iron - Dissolved	0.0576	0.0200	mg/L		0.0555				3.69	20	
<b>Matrix Spike (BB30860-MS1)</b>											
								Prepared & Analyzed: 02/26/2013			
Iron - Dissolved	1.10	0.0200	mg/L	1.00	0.0555	104	75-125				
<b>Reference (BB30860-SRM1)</b>											
								Prepared & Analyzed: 02/26/2013			
Iron - Dissolved	0.464	0.0200	mg/L	0.462		100	87.9-114				

## Metals by EPA 200 Series Methods - 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 BB30860 - EPA 3010A</b>											
<b>Blank (BB30860-BLK1)</b>											
								Prepared & Analyzed: 02/26/2013			
Iron	ND	0.0200	mg/L								
<b>Duplicate (BB30860-DUP1)</b>											
								Prepared & Analyzed: 02/26/2013			
Iron	11.7	0.0200	mg/L		11.6				0.600	20	
<b>Matrix Spike (BB30860-MS1)</b>											
								Prepared & Analyzed: 02/26/2013			
Iron	12.8	0.0200	mg/L	1.00	11.6	123	75-125				
<b>Reference (BB30860-SRM1)</b>											
								Prepared & Analyzed: 02/26/2013			
Iron	0.464	0.0200	mg/L	0.462		100	87.9-114				

## Miscellaneous Physical/Conventional Chemistry 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 BB30984 - % Solids Prep

#### Blank (BB30984-BLK1)

Prepared & Analyzed: 03/01/2013

Total Dissolved Solids	ND	1.00	mg/L								
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## Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13B0668-01	WQ022013:1110NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13B0668-02	WQ022013:1120NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13B0669-01	WQ022013:1130NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

### Notes and Definitions

- VOA-CO The result reported is most likely due to carryover from a previous sample run in the batch. Data user should take note.
- 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); therefore, 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.
- 
- ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
- RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
- 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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.





# YORK

ANALYTICAL LABORATORIES, INC.

## Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 03/01/2013

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 13B0729

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 03/01/2013  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 13B0729

**Leggette Brashears & Graham Shelton Office**  
4 Research Drive, Suite 301  
Shelton CT, 06484  
Attention: Tunde Komuves-Sandor

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 26, 2013 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>
13B0729-01	WQ022513:1100NP2-6	Water	02/25/2013	02/26/2013
13B0729-02	WQ022513:1105NP2-7	Water	02/25/2013	02/26/2013
13B0730-01	WQ022513:1110NP2-10	Water	02/25/2013	02/26/2013

## General Notes for York Project (SDG) No.: 13B0729

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:



Robert Q. Bradley  
Laboratory Director

Date: 03/01/2013

**YORK**

## Sample Information

**Client Sample ID:** WQ022513:1100NP2-6

**York Sample ID:** 13B0729-01

York Project (SDG) No.  
13B0729

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 25, 2013 11:00 am

Date Received  
02/26/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
71-55-6	1,1,1-Trichloroethane	<b>0.69</b>		ug/L	0.024	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
75-34-3	1,1-Dichloroethane	<b>0.22</b>	J	ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
95-63-6	1,2,4-Trimethylbenzene	<b>0.11</b>	J	ug/L	0.068	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS

## Sample Information

**Client Sample ID:** WQ022513:1100NP2-6

**York Sample ID:** 13B0729-01

York Project (SDG) No.  
13B0729

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 25, 2013 11:00 am

Date Received  
02/26/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
67-66-3	Chloroform	<b>0.19</b>	J	ug/L	0.079	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
156-59-2	cis-1,2-Dichloroethylene	<b>0.17</b>	J	ug/L	0.069	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
75-09-2	Methylene chloride	<b>1.2</b>	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
127-18-4	Tetrachloroethylene	<b>0.91</b>		ug/L	0.070	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
79-01-6	Trichloroethylene	<b>0.19</b>	J	ug/L	0.071	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 17:26	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.5 %	72.6-129
460-00-4	Surrogate: p-Bromofluorobenzene	99.5 %	63.5-145
2037-26-5	Surrogate: Toluene-d8	99.7 %	81.2-127

## Sample Information

**Client Sample ID:** WQ022513:1100NP2-6

**York Sample ID:** 13B0729-01

York Project (SDG) No.  
13B0729

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 25, 2013 11:00 am

Date Received  
02/26/2013

**Iron, Dissolved by EPA 6010**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.310		mg/L	0.0100	0.0200	1	EPA SW846-6010B	02/27/2013 16:15	02/27/2013 18:02	MW

**Iron by EPA 200.7**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	6.58		mg/L	0.0100	0.0200	1	EPA 200.7	02/27/2013 16:15	02/27/2013 18:07	MW

## Sample Information

**Client Sample ID:** WQ022513:1105NP2-7

**York Sample ID:** 13B0729-02

York Project (SDG) No.  
13B0729

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 25, 2013 11:05 am

Date Received  
02/26/2013

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS

## Sample Information

**Client Sample ID:** WQ022513:1105NP2-7

**York Sample ID:** 13B0729-02

York Project (SDG) No.  
13B0729

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 25, 2013 11:05 am

Date Received  
02/26/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
75-09-2	Methylene chloride	1.0	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS

**Sample Information**

**Client Sample ID:** WQ022513:1105NP2-7

**York Sample ID:** 13B0729-02

York Project (SDG) No.  
13B0729

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 25, 2013 11:05 am

Date Received  
02/26/2013

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:02	SS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	100 %	72.6-129
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	63.5-145
2037-26-5	Surrogate: Toluene-d8	98.7 %	81.2-127

**Iron, Dissolved by EPA 6010**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.107		mg/L	0.0100	0.0200	1	EPA SW846-6010B	02/27/2013 16:15	02/27/2013 18:11	MW

**Iron by EPA 200.7**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.480		mg/L	0.0100	0.0200	1	EPA 200.7	02/27/2013 16:15	02/27/2013 18:16	MW

**Sample Information**

**Client Sample ID:** WQ022513:1110NP2-10

**York Sample ID:** 13B0730-01

York Project (SDG) No.  
13B0730

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 25, 2013 11:10 am

Date Received  
02/26/2013

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS

## Sample Information

**Client Sample ID:** WQ022513:1110NP2-10

**York Sample ID:** 13B0730-01

York Project (SDG) No.  
13B0730

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 25, 2013 11:10 am

Date Received  
02/26/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS

## Sample Information

**Client Sample ID:** WQ022513:1110NP2-10

**York Sample ID:** 13B0730-01

York Project (SDG) No.  
13B0730

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 25, 2013 11:10 am

Date Received  
02/26/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
75-09-2	Methylene chloride	0.40	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/28/2013 08:27	02/28/2013 18:38	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.1 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	97.1 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	100 %			81.2-127						

## Sample Information

**Client Sample ID:** WQ022513:1110NP2-10

**York Sample ID:** 13B0730-01

York Project (SDG) No.  
13B0730

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 25, 2013 11:10 am

Date Received  
02/26/2013

**Iron, Dissolved by EPA 6010**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0775		mg/L	0.0100	0.0200	1	EPA SW846-6010B	02/27/2013 16:15	02/27/2013 18:21	MW

**Iron by EPA 200.7**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.899		mg/L	0.0100	0.0200	1	EPA 200.7	02/27/2013 16:15	02/27/2013 18:38	MW

**Total Dissolved Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	127		mg/L	1.00	1.00	1	SM 2540C	03/01/2013 09:54	03/01/2013 09:54	ALD

## Analytical Batch Summary

**Batch ID:** BB30921

**Preparation Method:** EPA 3010A

**Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13B0729-01	WQ022513:1100NP2-6	02/27/13
13B0729-01	WQ022513:1100NP2-6	02/27/13
13B0729-02	WQ022513:1105NP2-7	02/27/13
13B0729-02	WQ022513:1105NP2-7	02/27/13
13B0730-01	WQ022513:1110NP2-10	02/27/13
13B0730-01	WQ022513:1110NP2-10	02/27/13
BB30921-BLK1	Blank	02/27/13
BB30921-BLK1	Blank	02/27/13
BB30921-DUP1	Duplicate	02/27/13
BB30921-DUP1	Duplicate	02/27/13
BB30921-MS1	Matrix Spike	02/27/13
BB30921-MS1	Matrix Spike	02/27/13
BB30921-SRM1	Reference	02/27/13
BB30921-SRM1	Reference	02/27/13

**Batch ID:** BB30944

**Preparation Method:** EPA 5030B

**Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13B0729-01	WQ022513:1100NP2-6	02/28/13
13B0729-02	WQ022513:1105NP2-7	02/28/13
13B0730-01	WQ022513:1110NP2-10	02/28/13
BB30944-BLK1	Blank	02/28/13
BB30944-BS1	LCS	02/28/13
BB30944-BSD1	LCS Dup	02/28/13

**Batch ID:** BB30984

**Preparation Method:** % Solids Prep

**Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13B0730-01	WQ022513:1110NP2-10	03/01/13
BB30984-BLK1	Blank	03/01/13

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30944 - EPA 5030B**

**Blank (BB30944-BLK1)**

Prepared & Analyzed: 02/28/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	2.7	2.0	"								
Naphthalene	0.56	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BB30944 - EPA 5030B**

**Blank (BB30944-BLK1)**

Prepared & Analyzed: 02/28/2013

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

*Surrogate: 1,2-Dichloroethane-d4*

10.4

"

10.0

104

72.6-129

*Surrogate: p-Bromofluorobenzene*

9.34

"

10.0

93.4

63.5-145

*Surrogate: Toluene-d8*

10.1

"

10.0

101

81.2-127

**LCS (BB30944-BS1)**

Prepared & Analyzed: 02/28/2013

1,1,1,2-Tetrachloroethane	9.59		ug/L	10.0		95.9	82.3-130				
1,1,1-Trichloroethane	10.2		"	10.0		102	75.6-137				
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	71.1-129				
1,1,2-Trichloroethane	10.2		"	10.0		102	74.5-129				
1,1-Dichloroethane	9.96		"	10.0		99.6	79.6-132				
1,1-Dichloroethylene	9.47		"	10.0		94.7	80.2-146				
1,1-Dichloropropylene	9.32		"	10.0		93.2	75-136				
1,2,3-Trichlorobenzene	9.04		"	10.0		90.4	66.1-136				
1,2,3-Trichloropropane	9.57		"	10.0		95.7	63-131				
1,2,4-Trichlorobenzene	9.11		"	10.0		91.1	70.6-136				
1,2,4-Trimethylbenzene	9.80		"	10.0		98.0	75.3-135				
1,2-Dibromo-3-chloropropane	12.2		"	10.0		122	58.9-140				
1,2-Dibromoethane	9.65		"	10.0		96.5	79-130				
1,2-Dichlorobenzene	9.29		"	10.0		92.9	76.1-122				
1,2-Dichloroethane	10.3		"	10.0		103	74.6-132				
1,2-Dichloropropane	10.1		"	10.0		101	76.9-129				
1,3,5-Trimethylbenzene	9.77		"	10.0		97.7	70.6-127				
1,3-Dichlorobenzene	8.95		"	10.0		89.5	77-124				
1,3-Dichloropropane	9.96		"	10.0		99.6	75.8-126				
1,4-Dichlorobenzene	8.80		"	10.0		88.0	76.6-125				
2,2-Dichloropropane	9.94		"	10.0		99.4	69-133				
2-Chlorotoluene	8.84		"	10.0		88.4	66.3-119				
2-Hexanone	11.3		"	10.0		113	70-130				
4-Chlorotoluene	9.54		"	10.0		95.4	69.2-127				
Acetone	7.26		"	10.0		72.6	70-130				
Benzene	10.0		"	10.0		100	76.2-129				
Bromobenzene	9.33		"	10.0		93.3	71.3-123				
Bromochloromethane	10.2		"	10.0		102	70.8-137				
Bromodichloromethane	10.3		"	10.0		103	79.7-134				
Bromoform	9.61		"	10.0		96.1	70.5-141				
Bromomethane	5.45		"	10.0		54.5	43.9-147				
Carbon tetrachloride	9.75		"	10.0		97.5	78.1-138				
Chlorobenzene	9.63		"	10.0		96.3	80.4-125				
Chloroethane	8.15		"	10.0		81.5	55.8-140				
Chloroform	10.4		"	10.0		104	76.6-133				
Chloromethane	4.90		"	10.0		49.0	48.8-115				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	75.1-128				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	74.5-128				

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BB30944 - EPA 5030B</b>										
<b>LCS (BB30944-BS1)</b>										
Prepared & Analyzed: 02/28/2013										
Dibromochloromethane	9.81		ug/L	10.0		98.1 79.8-134				
Dibromomethane	10.4		"	10.0		104 79-130				
Dichlorodifluoromethane	2.66		"	10.0		26.6 47.1-101	Low Bias			
Ethyl Benzene	10.3		"	10.0		103 80.8-128				
Hexachlorobutadiene	9.11		"	10.0		91.1 64.8-128				
Isopropylbenzene	8.97		"	10.0		89.7 75.5-135				
Methyl tert-butyl ether (MTBE)	8.81		"	10.0		88.1 65.1-140				
Methylene chloride	12.5		"	10.0		125 61.3-120	High Bias			
Naphthalene	9.37		"	10.0		93.7 62.3-148				
n-Butylbenzene	9.66		"	10.0		96.6 67.2-123				
n-Propylbenzene	9.27		"	10.0		92.7 70.5-127				
o-Xylene	10.2		"	10.0		102 75.9-122				
p- & m- Xylenes	20.2		"	20.0		101 77.7-127				
p-Isopropyltoluene	9.13		"	10.0		91.3 75.6-129				
sec-Butylbenzene	9.23		"	10.0		92.3 71.5-125				
Styrene	11.8		"	10.0		118 77.8-123				
tert-Butylbenzene	9.08		"	10.0		90.8 75.9-151				
Tetrachloroethylene	9.34		"	10.0		93.4 63.6-167				
Toluene	9.73		"	10.0		97.3 77-123				
trans-1,2-Dichloroethylene	9.66		"	10.0		96.6 76.3-139				
trans-1,3-Dichloropropylene	10.5		"	10.0		105 72.5-137				
Trichloroethylene	9.52		"	10.0		95.2 77.9-130				
Trichlorofluoromethane	8.54		"	10.0		85.4 57.4-133				
Vinyl Chloride	6.37		"	10.0		63.7 54.9-124				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101 72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.63</i>		<i>"</i>	<i>10.0</i>		<i>96.3 63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102 81.2-127</i>				

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30944 - EPA 5030B</b>											
<b>LCS Dup (BB30944-BSD1)</b>											
Prepared & Analyzed: 02/28/2013											
1,1,1,2-Tetrachloroethane	9.18		ug/L	10.0		91.8	82.3-130		4.37	21.1	
1,1,1-Trichloroethane	9.76		"	10.0		97.6	75.6-137		4.80	19.7	
1,1,2,2-Tetrachloroethane	8.77		"	10.0		87.7	71.3-131		13.8	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.99		"	10.0		99.9	71.1-129		4.41	21.7	
1,1,2-Trichloroethane	9.03		"	10.0		90.3	74.5-129		11.7	20.3	
1,1-Dichloroethane	9.74		"	10.0		97.4	79.6-132		2.23	20.6	
1,1-Dichloroethylene	8.85		"	10.0		88.5	80.2-146		6.77	20	
1,1-Dichloropropylene	9.35		"	10.0		93.5	75-136		0.321	19.3	
1,2,3-Trichlorobenzene	7.81		"	10.0		78.1	66.1-136		14.6	21.6	
1,2,3-Trichloropropane	8.36		"	10.0		83.6	63-131		13.5	23.9	
1,2,4-Trichlorobenzene	8.22		"	10.0		82.2	70.6-136		10.3	21.7	
1,2,4-Trimethylbenzene	8.92		"	10.0		89.2	75.3-135		9.40	18.8	
1,2-Dibromo-3-chloropropane	11.4		"	10.0		114	58.9-140		6.68	27.7	
1,2-Dibromoethane	8.82		"	10.0		88.2	79-130		8.99	23	
1,2-Dichlorobenzene	8.31		"	10.0		83.1	76.1-122		11.1	19.8	
1,2-Dichloroethane	9.52		"	10.0		95.2	74.6-132		7.77	20.2	
1,2-Dichloropropane	9.20		"	10.0		92.0	76.9-129		9.03	20.7	
1,3,5-Trimethylbenzene	8.98		"	10.0		89.8	70.6-127		8.43	18.9	
1,3-Dichlorobenzene	8.70		"	10.0		87.0	77-124		2.83	19.2	
1,3-Dichloropropane	9.17		"	10.0		91.7	75.8-126		8.26	22.1	
1,4-Dichlorobenzene	8.20		"	10.0		82.0	76.6-125		7.06	18.6	
2,2-Dichloropropane	9.51		"	10.0		95.1	69-133		4.42	19.8	
2-Chlorotoluene	8.39		"	10.0		83.9	66.3-119		5.22	21.6	
2-Hexanone	10.2		"	10.0		102	70-130		10.3	30	
4-Chlorotoluene	8.89		"	10.0		88.9	69.2-127		7.05	19	
Acetone	6.97		"	10.0		69.7	70-130	Low Bias	4.08	30	
Benzene	9.45		"	10.0		94.5	76.2-129		5.66	19	
Bromobenzene	8.14		"	10.0		81.4	71.3-123		13.6	20.3	
Bromochloromethane	9.99		"	10.0		99.9	70.8-137		2.57	23.9	
Bromodichloromethane	9.60		"	10.0		96.0	79.7-134		7.04	21	
Bromoform	8.53		"	10.0		85.3	70.5-141		11.9	21.8	
Bromomethane	5.50		"	10.0		55.0	43.9-147		0.913	28.4	
Carbon tetrachloride	9.76		"	10.0		97.6	78.1-138		0.103	20.1	
Chlorobenzene	9.12		"	10.0		91.2	80.4-125		5.44	19.9	
Chloroethane	8.02		"	10.0		80.2	55.8-140		1.61	23.3	
Chloroform	9.77		"	10.0		97.7	76.6-133		5.86	20.3	
Chloromethane	4.94		"	10.0		49.4	48.8-115		0.813	24.5	
cis-1,2-Dichloroethylene	9.91		"	10.0		99.1	75.1-128		3.08	20.5	
cis-1,3-Dichloropropylene	9.26		"	10.0		92.6	74.5-128		9.66	19.9	
Dibromochloromethane	9.30		"	10.0		93.0	79.8-134		5.34	21.3	
Dibromomethane	9.07		"	10.0		90.7	79-130		13.7	22.4	
Dichlorodifluoromethane	2.51		"	10.0		25.1	47.1-101	Low Bias	5.80	23.9	
Ethyl Benzene	9.75		"	10.0		97.5	80.8-128		5.39	19.2	
Hexachlorobutadiene	8.10		"	10.0		81.0	64.8-128		11.7	20.6	
Isopropylbenzene	8.41		"	10.0		84.1	75.5-135		6.44	20	
Methyl tert-butyl ether (MTBE)	7.96		"	10.0		79.6	65.1-140		10.1	23.6	
Methylene chloride	11.9		"	10.0		119	61.3-120		5.17	20.4	
Naphthalene	8.05		"	10.0		80.5	62.3-148		15.2	27.1	
n-Butylbenzene	8.82		"	10.0		88.2	67.2-123		9.09	19.1	
n-Propylbenzene	8.58		"	10.0		85.8	70.5-127		7.73	23.4	
o-Xylene	9.49		"	10.0		94.9	75.9-122		6.72	19.3	
p- & m- Xylenes	19.4		"	20.0		97.2	77.7-127		3.88	18.6	
p-Isopropyltoluene	8.37		"	10.0		83.7	75.6-129		8.69	19.1	
sec-Butylbenzene	8.61		"	10.0		86.1	71.5-125		6.95	18.9	

# YORK

ANALYTICAL LABORATORIES, INC.

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30944 - EPA 5030B

#### LCS Dup (BB30944-BSD1)

Prepared & Analyzed: 02/28/2013

Styrene	11.2		ug/L	10.0		112	77.8-123		5.04	20.9	
tert-Butylbenzene	8.44		"	10.0		84.4	75.9-151		7.31	20.9	
Tetrachloroethylene	8.89		"	10.0		88.9	63.6-167		4.94	27.7	
Toluene	9.16		"	10.0		91.6	77-123		6.03	18.7	
trans-1,2-Dichloroethylene	9.29		"	10.0		92.9	76.3-139		3.91	19.5	
trans-1,3-Dichloropropylene	9.50		"	10.0		95.0	72.5-137		9.62	19.3	
Trichloroethylene	9.08		"	10.0		90.8	77.9-130		4.73	20.5	
Trichlorofluoromethane	8.25		"	10.0		82.5	57.4-133		3.45	21.4	
Vinyl Chloride	6.05		"	10.0		60.5	54.9-124		5.15	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.9</i>		<i>"</i>	<i>10.0</i>		<i>109</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.49</i>		<i>"</i>	<i>10.0</i>		<i>94.9</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>81.2-127</i>				

## Metals by EPA 6000 Series Methods - 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 BB30921 - EPA 3010A</b>											
<b>Blank (BB30921-BLK1)</b>											
								Prepared & Analyzed: 02/27/2013			
Iron - Dissolved	ND	0.0200	mg/L								
<b>Duplicate (BB30921-DUP1)</b>											
								Prepared & Analyzed: 02/27/2013			
*Source sample: 13B0730-01 (WQ022513:1110NP2-10)											
Iron - Dissolved	0.0774	0.0200	mg/L		0.0775				0.129	20	
<b>Matrix Spike (BB30921-MS1)</b>											
								Prepared & Analyzed: 02/27/2013			
*Source sample: 13B0730-01 (WQ022513:1110NP2-10)											
Iron - Dissolved	1.15	0.0200	mg/L	1.00	0.0775	107	75-125				
<b>Reference (BB30921-SRM1)</b>											
								Prepared & Analyzed: 02/27/2013			
Iron - Dissolved	0.453	0.0200	mg/L	0.462		98.0	87.9-114				

## Metals by EPA 200 Series Methods - 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 BB30921 - EPA 3010A</b>											
<b>Blank (BB30921-BLK1)</b>											
								Prepared & Analyzed: 02/27/2013			
Iron	ND	0.0200	mg/L								
<b>Duplicate (BB30921-DUP1)</b>											
								Prepared & Analyzed: 02/27/2013			
*Source sample: 13B0730-01 (WQ022513:1110NP2-10)											
Iron	0.894	0.0200	mg/L		0.899				0.625	20	
<b>Matrix Spike (BB30921-MS1)</b>											
								Prepared & Analyzed: 02/27/2013			
*Source sample: 13B0730-01 (WQ022513:1110NP2-10)											
Iron	1.92	0.0200	mg/L	1.00	0.899	102	75-125				
<b>Reference (BB30921-SRM1)</b>											
								Prepared & Analyzed: 02/27/2013			
Iron	0.453	0.0200	mg/L	0.462		98.0	87.9-114				

## Miscellaneous Physical/Conventional Chemistry 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 BB30984 - % Solids Prep

#### Blank (BB30984-BLK1)

Prepared & Analyzed: 03/01/2013

Total Dissolved Solids	ND	1.00	mg/L								
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## Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13B0729-01	WQ022513:1100NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13B0729-02	WQ022513:1105NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13B0730-01	WQ022513:1110NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

### Notes and Definitions

- VOA-CO The result reported is most likely due to carryover from a previous sample run in the batch. Data user should take note.
- 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); therefore, 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.
- 
- ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
- RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
- 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 MDL, with values between the MDL and the RL 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. 13B0729

<b>YOUR INFORMATION</b> Company: <u>LBG</u> Address: <u>4 Research Dr. Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Jude Sandor</u> E-Mail Address: <u>JSandor@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>NAB5AF6</u> Samples from: CT ___ NY ___ X NJ ___		<b>Turn-Around Time</b> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		<b>Report Type</b> Summary Report <input checked="" type="checkbox"/> <u>pdf</u> Summary w/ QA Summary <input checked="" type="checkbox"/> <u>pdf</u> CT RCP Package CT RCP DQA/DUE Pkg NY ASP A Package NY ASP B Package <u>NP2-10only</u> , <u>pdf</u> NUDEP Red. Deliv. Electronic Data Deliverables (EDD)	
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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)  
  
STEPHEN HNV44  
 Name (printed)

Volatiles	Semi-Volatiles	Metals	Misc. Org.	Full Lists	Misc.
8260 fill 624 STARS list BN Only Acids Only PAH list TAGM list TCL list CT RCP list Arom. only Halog. only App. IX list 8021B list	8270 or 625 8082PCB 808 IP est 8151 Herb CT RCP App. IX Site Spec. SPL or TCLP TCLP list Dissolved SPL or TCLP Chlordane 608 Pest SPL or TCLP 608 PCB	RCLAB PP 13 list TAL CT 15 list TAGM list NUDEP list Total Dissolved SPL or TCLP Inorganic LIST Below	TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 AF STARS Air VPH Air TICs Mediane Heliogen	Pri Poll. TCL Organics TAL Mecon Full TCLP Full App. IX Part 360 Review Part 360 Baseline Part 360 Special Part 360 5-yr NYCDEP Sewer NYSEDC Sewer TAGM Silica	Comsivity Reactivity Ignitability Flash Point Steve Anal. Heterocyclics TOX BTU/lb. Aromatic Tox. NYCDEP Sewer TOC Asbestos Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)	Temperature on Receipt
NR022513-1100NP2-6	2/25/13 1100	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010) / VOCs, P260 List (EPA SW 845-82606) plus from 113	2v 2P	
NR022513-1105NP2-7	1105	GW		2v 2P	
NR022513-1110NP2-10	1110	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010) / VOCs, P260 List (EPA SW 845-82606) plus from 113 / TDS (9H 2540c)	2v 3P	
Comments: <u>Chlorine 2-26-13</u>					
Preservation: 4°C <input type="checkbox"/> Frozen <input type="checkbox"/> HCl <input type="checkbox"/> MeOH <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> Other <input type="checkbox"/> Check those Applicable Special Instructions: Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>					
Samples Relinquished By: <u>[Signature]</u> Date/Time: <u>2/26/13 1300</u> Samples Received By: <u>[Signature]</u> Date/Time: <u>2/26/13 1540</u> Samples Relinquished By: _____ Date/Time: _____ Samples Received in LAB by: _____ Date/Time: _____					

# YORK

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

# Field Chain-of-Custody Record

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

York Project No. 13B0730

<b>YOUR INFORMATION</b> Company: <u>LBG</u> Address: <u>4 Research Dr. Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>263-929-8555</u> Contact Person: <u>Tunde Sandor</u> E-Mail Address: <u>TSandor@LBGCT.com</u>		<b>Report To:</b> Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<b>Invoice To:</b> Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<b>YOUR PROJECT ID</b> <u>Rowe 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 CT RCP DOA/DUE Pkg. NY ASP A Package NY ASP B Package <u>NE2-10 only</u> , pdf NIDEP Red. Deliv. Electronic Data Deliverables (EDD) Simple Excel <u>X</u> NYSEDEC EQuls EQuls (std) EZ-EDD (EQuls) NIDEP SRP HazSite EDD GIS/KEY (std) Other York Regulatory Comparison Excel Spreadsheet Compare to the following Reg. (please fill in)	
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**Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.**

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

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WR022513:1100NP2-6	2/25/13 1100	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010B) / VOLs, P260 List (EPA SW 845-8260b) plus from 13	2v 2c
WR022513:1105NP2-7	1105	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010B) / VOLs P260 List (EPA SW 845-8260b) plus from 13 / TDS (SH 2540c)	2v 2c
WR022513:1110NP2-10	1110	GW		2v 3c
<i>Choi C 226-13</i>				
Comments Preservation Check those Applicable Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/> 4°C _____ Frozen _____ HCl _____ MeOH _____ HNO <sub>3</sub> _____ NaOH _____ ZnAc _____ Ascorbic Acid _____ Other _____ Samples Relinquished By <u>[Signature]</u> Date/Time <u>2/26/13 10:10</u> Samples Received By <u>[Signature]</u> Date/Time <u>2/26/13-1540</u> Samples Relinquished By _____ Date/Time _____ Samples Received in LAB by _____ Date/Time _____ Temperature on Receipt <u>3.6</u> °C				

**APPENDIX II**  
**FEBRUARY 2013 LABORATORY ANALYTICAL REPORTS**  
**FOR FSP&T AND FP&T RECOVERY WELLS**

# YORK

ANALYTICAL LABORATORIES, INC.

## Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 03/01/2013

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 13B0673

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 03/01/2013  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 13B0673

**Leggette Brashears & Graham Shelton Office**  
4 Research Drive, Suite 301  
Shelton CT, 06484  
Attention: Tunde Komuves-Sandor

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 25, 2013 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>
13B0673-01	GWQ022013:1133FRW-1	Water	02/20/2013	02/25/2013
13B0673-02	GWQ022013:1059FRW-2	Water	02/20/2013	02/25/2013
13B0673-03	GWQ022013:1023FRW-3	Water	02/20/2013	02/25/2013
13B0673-04	GWQ022013:1216FRW-4	Water	02/20/2013	02/25/2013

## General Notes for York Project (SDG) No.: 13B0673

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:



Robert Q. Bradley  
Laboratory Director

Date: 03/01/2013

**YORK**

## Sample Information

**Client Sample ID:** GWQ022013:1133FRW-1

**York Sample ID:** 13B0673-01

York Project (SDG) No.  
13B0673

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 3:00 pm

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
71-55-6	1,1,1-Trichloroethane	17		ug/L	0.024	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
75-34-3	1,1-Dichloroethane	1.6		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
67-64-1	Acetone	2.4	B	ug/L	0.90	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS

## Sample Information

**Client Sample ID:** GWQ022013:1133FRW-1

**York Sample ID:** 13B0673-01

York Project (SDG) No.  
13B0673

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 3:00 pm

Date Received  
02/25/2013

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
156-59-2	cis-1,2-Dichloroethylene	<b>15</b>		ug/L	0.069	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
75-09-2	Methylene chloride	<b>0.79</b>	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
91-20-3	Naphthalene	<b>0.13</b>	J	ug/L	0.090	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
127-18-4	Tetrachloroethylene	<b>1100</b>		ug/L	3.5	25	50	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 13:51	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
79-01-6	Trichloroethylene	<b>25</b>		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
75-01-4	Vinyl Chloride	<b>0.48</b>	J	ug/L	0.062	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:02	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	116 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	95.1 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	101 %	81.2-127								

## Sample Information

**Client Sample ID:** GWQ022013:1059FRW-2

**York Sample ID:** 13B0673-02

York Project (SDG) No.  
13B0673

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 3:00 pm

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
71-55-6	1,1,1-Trichloroethane	<b>0.37</b>	J	ug/L	0.024	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
75-34-3	1,1-Dichloroethane	<b>0.31</b>	J	ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
67-64-1	Acetone	<b>35</b>	B	ug/L	0.90	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
71-43-2	Benzene	<b>0.38</b>	J	ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS

## Sample Information

**Client Sample ID:** GWQ022013:1059FRW-2

**York Sample ID:** 13B0673-02

York Project (SDG) No.  
13B0673

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 3:00 pm

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
156-59-2	cis-1,2-Dichloroethylene	<b>70</b>		ug/L	0.34	2.5	5	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 14:27	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
100-41-4	Ethyl Benzene	<b>0.28</b>	J	ug/L	0.057	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
75-09-2	Methylene chloride	<b>0.87</b>	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
127-18-4	Tetrachloroethylene	<b>9.1</b>		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
108-88-3	Toluene	<b>0.37</b>	J	ug/L	0.042	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
79-01-6	Trichloroethylene	<b>1.7</b>		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
75-01-4	Vinyl Chloride	<b>2.1</b>		ug/L	0.062	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 00:38	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	100 %	81.2-127								

## Sample Information

**Client Sample ID:** GWQ022013:1023FRW-3

**York Sample ID:** 13B0673-03

York Project (SDG) No.  
13B0673

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 3:00 pm

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
71-55-6	1,1,1-Trichloroethane	<b>0.47</b>	J	ug/L	0.024	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
75-34-3	1,1-Dichloroethane	<b>0.60</b>		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
71-43-2	Benzene	<b>0.17</b>	J	ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS

## Sample Information

**Client Sample ID:** GWQ022013:1023FRW-3

**York Sample ID:** 13B0673-03

York Project (SDG) No.  
13B0673

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 3:00 pm

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
156-59-2	cis-1,2-Dichloroethylene	<b>69</b>		ug/L	0.34	2.5	5	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 15:03	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
98-82-8	Isopropylbenzene	<b>0.29</b>	J	ug/L	0.056	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
75-09-2	Methylene chloride	<b>0.97</b>	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
127-18-4	Tetrachloroethylene	<b>35</b>		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
156-60-5	trans-1,2-Dichloroethylene	<b>0.24</b>	J	ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
79-01-6	Trichloroethylene	<b>7.7</b>		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
75-01-4	Vinyl Chloride	<b>5.4</b>		ug/L	0.062	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:14	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	100 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	96.6 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	101 %	81.2-127								

## Sample Information

**Client Sample ID:** GWQ022013:1216FRW-4

**York Sample ID:** 13B0673-04

York Project (SDG) No.  
13B0673

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 3:00 pm

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
71-55-6	1,1,1-Trichloroethane	0.72		ug/L	0.024	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS

## Sample Information

**Client Sample ID:** GWQ022013:1216FRW-4

**York Sample ID:** 13B0673-04

York Project (SDG) No.  
13B0673

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 20, 2013 3:00 pm

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
156-59-2	cis-1,2-Dichloroethylene	2.4		ug/L	0.069	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
75-09-2	Methylene chloride	1.4	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
127-18-4	Tetrachloroethylene	15		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
79-01-6	Trichloroethylene	1.9		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 01:50	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	94.6 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	113 %	81.2-127								

## Analytical Batch Summary

**Batch ID:** BB30902

**Preparation Method:** EPA 5030B

**Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13B0673-01	GWQ022013:1133FRW-1	02/27/13
13B0673-02	GWQ022013:1059FRW-2	02/27/13
13B0673-03	GWQ022013:1023FRW-3	02/27/13
13B0673-04	GWQ022013:1216FRW-4	02/27/13
BB30902-BLK1	Blank	02/27/13
BB30902-BS1	LCS	02/27/13
BB30902-BSD1	LCS Dup	02/27/13
BB30902-MS1	Matrix Spike	02/27/13
BB30902-MSD1	Matrix Spike Dup	02/27/13

**Batch ID:** BB30944

**Preparation Method:** EPA 5030B

**Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13B0673-01RE1	GWQ022013:1133FRW-1	02/28/13
13B0673-02RE1	GWQ022013:1059FRW-2	02/28/13
13B0673-03RE1	GWQ022013:1023FRW-3	02/28/13
BB30944-BLK1	Blank	02/28/13
BB30944-BS1	LCS	02/28/13
BB30944-BSD1	LCS Dup	02/28/13
BB30944-MS1	Matrix Spike	02/28/13
BB30944-MSD1	Matrix Spike Dup	02/28/13

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30902 - EPA 5030B**

**Blank (BB30902-BLK1)**

Prepared & Analyzed: 02/27/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
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	3.7	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	1.9	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

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

**Batch BB30902 - EPA 5030B**

**Blank (BB30902-BLK1)**

Prepared & Analyzed: 02/27/2013

Styrene	ND	0.50	ug/L						
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>	10.9		"	10.0		109		72.6-129	
<i>Surrogate: p-Bromofluorobenzene</i>	9.69		"	10.0		96.9		63.5-145	
<i>Surrogate: Toluene-d8</i>	9.87		"	10.0		98.7		81.2-127	

**LCS (BB30902-BS1)**

Prepared & Analyzed: 02/27/2013

1,1,1,2-Tetrachloroethane	9.53		ug/L	10.0		95.3		82.3-130	
1,1,1-Trichloroethane	10.2		"	10.0		102		75.6-137	
1,1,2,2-Tetrachloroethane	9.14		"	10.0		91.4		71.3-131	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4		"	10.0		114		71.1-129	
1,1,2-Trichloroethane	9.55		"	10.0		95.5		74.5-129	
1,1-Dichloroethane	10.4		"	10.0		104		79.6-132	
1,1-Dichloroethylene	10.1		"	10.0		101		80.2-146	
1,1-Dichloropropylene	9.80		"	10.0		98.0		75-136	
1,2,3-Trichlorobenzene	8.48		"	10.0		84.8		66.1-136	
1,2,3-Trichloropropane	9.30		"	10.0		93.0		63-131	
1,2,4-Trichlorobenzene	8.73		"	10.0		87.3		70.6-136	
1,2,4-Trimethylbenzene	9.86		"	10.0		98.6		75.3-135	
1,2-Dibromo-3-chloropropane	11.8		"	10.0		118		58.9-140	
1,2-Dibromoethane	9.12		"	10.0		91.2		79-130	
1,2-Dichlorobenzene	9.10		"	10.0		91.0		76.1-122	
1,2-Dichloroethane	10.2		"	10.0		102		74.6-132	
1,2-Dichloropropane	9.65		"	10.0		96.5		76.9-129	
1,3,5-Trimethylbenzene	9.73		"	10.0		97.3		70.6-127	
1,3-Dichlorobenzene	9.21		"	10.0		92.1		77-124	
1,3-Dichloropropane	9.74		"	10.0		97.4		75.8-126	
1,4-Dichlorobenzene	8.97		"	10.0		89.7		76.6-125	
2,2-Dichloropropane	8.15		"	10.0		81.5		69-133	
2-Chlorotoluene	9.01		"	10.0		90.1		66.3-119	
2-Hexanone	9.78		"	10.0		97.8		70-130	
4-Chlorotoluene	9.58		"	10.0		95.8		69.2-127	
Acetone	10.6		"	10.0		106		70-130	
Benzene	10.1		"	10.0		101		76.2-129	
Bromobenzene	9.20		"	10.0		92.0		71.3-123	
Bromochloromethane	9.83		"	10.0		98.3		70.8-137	
Bromodichloromethane	10.3		"	10.0		103		79.7-134	
Bromoform	9.21		"	10.0		92.1		70.5-141	
Bromomethane	6.91		"	10.0		69.1		43.9-147	
Carbon tetrachloride	10.6		"	10.0		106		78.1-138	
Chlorobenzene	9.49		"	10.0		94.9		80.4-125	
Chloroethane	9.27		"	10.0		92.7		55.8-140	
Chloroform	10.5		"	10.0		105		76.6-133	
Chloromethane	7.40		"	10.0		74.0		48.8-115	
cis-1,2-Dichloroethylene	10.5		"	10.0		105		75.1-128	
cis-1,3-Dichloropropylene	9.48		"	10.0		94.8		74.5-128	

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BB30902 - EPA 5030B</b>										
<b>LCS (BB30902-BS1)</b>										Prepared & Analyzed: 02/27/2013
Dibromochloromethane	9.55		ug/L	10.0		95.5			79.8-134	
Dibromomethane	9.56		"	10.0		95.6			79-130	
Dichlorodifluoromethane	4.91		"	10.0		49.1			47.1-101	
Ethyl Benzene	10.2		"	10.0		102			80.8-128	
Hexachlorobutadiene	8.64		"	10.0		86.4			64.8-128	
Isopropylbenzene	9.10		"	10.0		91.0			75.5-135	
Methyl tert-butyl ether (MTBE)	8.21		"	10.0		82.1			65.1-140	
Methylene chloride	11.4		"	10.0		114			61.3-120	
Naphthalene	8.61		"	10.0		86.1			62.3-148	
n-Butylbenzene	9.57		"	10.0		95.7			67.2-123	
n-Propylbenzene	9.34		"	10.0		93.4			70.5-127	
o-Xylene	10.1		"	10.0		101			75.9-122	
p- & m- Xylenes	20.2		"	20.0		101			77.7-127	
p-Isopropyltoluene	9.34		"	10.0		93.4			75.6-129	
sec-Butylbenzene	9.53		"	10.0		95.3			71.5-125	
Styrene	11.6		"	10.0		116			77.8-123	
tert-Butylbenzene	9.37		"	10.0		93.7			75.9-151	
Tetrachloroethylene	9.57		"	10.0		95.7			63.6-167	
Toluene	9.71		"	10.0		97.1			77-123	
trans-1,2-Dichloroethylene	10.1		"	10.0		101			76.3-139	
trans-1,3-Dichloropropylene	9.47		"	10.0		94.7			72.5-137	
Trichloroethylene	9.60		"	10.0		96.0			77.9-130	
Trichlorofluoromethane	10.0		"	10.0		100			57.4-133	
Vinyl Chloride	8.45		"	10.0		84.5			54.9-124	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>			<i>72.6-129</i>	
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.38</i>		<i>"</i>	<i>10.0</i>		<i>93.8</i>			<i>63.5-145</i>	
<i>Surrogate: Toluene-d8</i>	<i>9.96</i>		<i>"</i>	<i>10.0</i>		<i>99.6</i>			<i>81.2-127</i>	

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30902 - EPA 5030B</b>											
<b>LCS Dup (BB30902-BSD1)</b>											
										Prepared & Analyzed: 02/27/2013	
1,1,1,2-Tetrachloroethane	9.78		ug/L	10.0		97.8	82.3-130		2.59	21.1	
1,1,1-Trichloroethane	10.0		"	10.0		100	75.6-137		2.17	19.7	
1,1,2,2-Tetrachloroethane	9.96		"	10.0		99.6	71.3-131		8.59	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1		"	10.0		111	71.1-129		2.13	21.7	
1,1,2-Trichloroethane	9.36		"	10.0		93.6	74.5-129		2.01	20.3	
1,1-Dichloroethane	10.2		"	10.0		102	79.6-132		2.62	20.6	
1,1-Dichloroethylene	9.78		"	10.0		97.8	80.2-146		3.12	20	
1,1-Dichloropropylene	9.53		"	10.0		95.3	75-136		2.79	19.3	
1,2,3-Trichlorobenzene	8.67		"	10.0		86.7	66.1-136		2.22	21.6	
1,2,3-Trichloropropane	9.15		"	10.0		91.5	63-131		1.63	23.9	
1,2,4-Trichlorobenzene	8.92		"	10.0		89.2	70.6-136		2.15	21.7	
1,2,4-Trimethylbenzene	9.72		"	10.0		97.2	75.3-135		1.43	18.8	
1,2-Dibromo-3-chloropropane	11.5		"	10.0		115	58.9-140		2.06	27.7	
1,2-Dibromoethane	9.28		"	10.0		92.8	79-130		1.74	23	
1,2-Dichlorobenzene	9.30		"	10.0		93.0	76.1-122		2.17	19.8	
1,2-Dichloroethane	9.87		"	10.0		98.7	74.6-132		3.19	20.2	
1,2-Dichloropropane	9.67		"	10.0		96.7	76.9-129		0.207	20.7	
1,3,5-Trimethylbenzene	9.62		"	10.0		96.2	70.6-127		1.14	18.9	
1,3-Dichlorobenzene	9.08		"	10.0		90.8	77-124		1.42	19.2	
1,3-Dichloropropane	9.75		"	10.0		97.5	75.8-126		0.103	22.1	
1,4-Dichlorobenzene	8.91		"	10.0		89.1	76.6-125		0.671	18.6	
2,2-Dichloropropane	8.03		"	10.0		80.3	69-133		1.48	19.8	
2-Chlorotoluene	9.03		"	10.0		90.3	66.3-119		0.222	21.6	
2-Hexanone	10.6		"	10.0		106	70-130		7.58	30	
4-Chlorotoluene	9.51		"	10.0		95.1	69.2-127		0.733	19	
Acetone	10.7		"	10.0		107	70-130		1.31	30	
Benzene	9.77		"	10.0		97.7	76.2-129		3.52	19	
Bromobenzene	9.25		"	10.0		92.5	71.3-123		0.542	20.3	
Bromochloromethane	10.0		"	10.0		100	70.8-137		2.21	23.9	
Bromodichloromethane	9.87		"	10.0		98.7	79.7-134		4.36	21	
Bromoform	9.78		"	10.0		97.8	70.5-141		6.00	21.8	
Bromomethane	7.03		"	10.0		70.3	43.9-147		1.72	28.4	
Carbon tetrachloride	9.98		"	10.0		99.8	78.1-138		6.50	20.1	
Chlorobenzene	9.51		"	10.0		95.1	80.4-125		0.211	19.9	
Chloroethane	9.25		"	10.0		92.5	55.8-140		0.216	23.3	
Chloroform	10.0		"	10.0		100	76.6-133		4.47	20.3	
Chloromethane	7.14		"	10.0		71.4	48.8-115		3.58	24.5	
cis-1,2-Dichloroethylene	9.87		"	10.0		98.7	75.1-128		6.38	20.5	
cis-1,3-Dichloropropylene	9.41		"	10.0		94.1	74.5-128		0.741	19.9	
Dibromochloromethane	9.80		"	10.0		98.0	79.8-134		2.58	21.3	
Dibromomethane	9.56		"	10.0		95.6	79-130		0.00	22.4	
Dichlorodifluoromethane	4.43		"	10.0		44.3	47.1-101	Low Bias	10.3	23.9	
Ethyl Benzene	10.1		"	10.0		101	80.8-128		0.494	19.2	
Hexachlorobutadiene	8.17		"	10.0		81.7	64.8-128		5.59	20.6	
Isopropylbenzene	9.03		"	10.0		90.3	75.5-135		0.772	20	
Methyl tert-butyl ether (MTBE)	8.36		"	10.0		83.6	65.1-140		1.81	23.6	
Methylene chloride	11.3		"	10.0		113	61.3-120		0.971	20.4	
Naphthalene	9.35		"	10.0		93.5	62.3-148		8.24	27.1	
n-Butylbenzene	9.32		"	10.0		93.2	67.2-123		2.65	19.1	
n-Propylbenzene	9.02		"	10.0		90.2	70.5-127		3.49	23.4	
o-Xylene	9.79		"	10.0		97.9	75.9-122		2.82	19.3	
p- & m- Xylenes	19.8		"	20.0		98.9	77.7-127		2.35	18.6	
p-Isopropyltoluene	9.15		"	10.0		91.5	75.6-129		2.06	19.1	
sec-Butylbenzene	9.29		"	10.0		92.9	71.5-125		2.55	18.9	

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

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

**Batch BB30902 - EPA 5030B**

**LCS Dup (BB30902-BSD1)**

Prepared & Analyzed: 02/27/2013

Styrene	11.5		ug/L	10.0		115	77.8-123		1.30	20.9	
tert-Butylbenzene	9.36		"	10.0		93.6	75.9-151		0.107	20.9	
Tetrachloroethylene	9.45		"	10.0		94.5	63.6-167		1.26	27.7	
Toluene	9.45		"	10.0		94.5	77-123		2.71	18.7	
trans-1,2-Dichloroethylene	9.91		"	10.0		99.1	76.3-139		2.10	19.5	
trans-1,3-Dichloropropylene	9.54		"	10.0		95.4	72.5-137		0.736	19.3	
Trichloroethylene	9.44		"	10.0		94.4	77.9-130		1.68	20.5	
Trichlorofluoromethane	9.77		"	10.0		97.7	57.4-133		2.63	21.4	
Vinyl Chloride	7.88		"	10.0		78.8	54.9-124		6.98	22.3	

*Surrogate: 1,2-Dichloroethane-d4*

10.0

"

10.0

100

72.6-129

*Surrogate: p-Bromofluorobenzene*

9.75

"

10.0

97.5

63.5-145

*Surrogate: Toluene-d8*

9.96

"

10.0

99.6

81.2-127

**Matrix Spike (BB30902-MS1)**

\*Source sample: 13B0673-01 (GWQ022013:1133FRW-1)

Prepared: 02/27/2013 Analyzed: 02/28/2013

1,1,1,2-Tetrachloroethane	9.71		ug/L	10.0	ND	97.1	82-138				
1,1,1-Trichloroethane	25.3		"	10.0	17.0	83.3	85.7-133	Low Bias			
1,1,2,2-Tetrachloroethane	9.60		"	10.0	ND	96.0	78.6-136				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0	ND	107	74.8-131				
1,1,2-Trichloroethane	10.1		"	10.0	ND	101	82.5-129				
1,1-Dichloroethane	11.6		"	10.0	1.60	99.5	81.4-137				
1,1-Dichloroethylene	9.81		"	10.0	ND	98.1	90-138				
1,1-Dichloropropylene	9.93		"	10.0	ND	99.3	91.7-131				
1,2,3-Trichlorobenzene	7.82		"	10.0	ND	78.2	75.9-130				
1,2,3-Trichloropropane	9.26		"	10.0	ND	92.6	77.1-140				
1,2,4-Trichlorobenzene	8.09		"	10.0	ND	80.9	69.8-135				
1,2,4-Trimethylbenzene	9.84		"	10.0	ND	98.4	79.4-131				
1,2-Dibromo-3-chloropropane	12.0		"	10.0	ND	120	66.6-143				
1,2-Dibromoethane	9.06		"	10.0	ND	90.6	79.8-136				
1,2-Dichlorobenzene	9.21		"	10.0	ND	92.1	79.9-130				
1,2-Dichloroethane	10.2		"	10.0	ND	102	85-133				
1,2-Dichloropropane	9.89		"	10.0	ND	98.9	81.1-132				
1,3,5-Trimethylbenzene	9.78		"	10.0	ND	97.8	76.1-121				
1,3-Dichlorobenzene	9.40		"	10.0	ND	94.0	79.1-124				
1,3-Dichloropropane	8.71		"	10.0	ND	87.1	83.3-130				
1,4-Dichlorobenzene	8.63		"	10.0	ND	86.3	79.4-128				
2,2-Dichloropropane	6.91		"	10.0	ND	69.1	54.2-126				
2-Chlorotoluene	9.29		"	10.0	ND	92.9	60.2-144				
2-Hexanone	10.5		"	10.0	ND	105	70-130				
4-Chlorotoluene	9.72		"	10.0	ND	97.2	79.8-128				
Acetone	8.88		"	10.0	2.38	65.0	70-130	Low Bias			
Benzene	10.1		"	10.0	ND	101	74.1-134				
Bromobenzene	9.14		"	10.0	ND	91.4	76.6-125				
Bromochloromethane	10.3		"	10.0	ND	103	85-133				
Bromodichloromethane	10.4		"	10.0	ND	104	80.8-143				
Bromoform	9.72		"	10.0	ND	97.2	65.8-164				
Bromomethane	3.09		"	10.0	ND	30.9	68.7-112	Low Bias			
Carbon tetrachloride	10.5		"	10.0	ND	105	85.7-138				
Chlorobenzene	9.60		"	10.0	ND	96.0	79.9-129				
Chloroethane	7.91		"	10.0	ND	79.1	74.7-127				
Chloroform	10.2		"	10.0	ND	102	50.6-145				
Chloromethane	5.10		"	10.0	ND	51.0	64-111	Low Bias			
cis-1,2-Dichloroethylene	22.8		"	10.0	14.5	82.6	75.5-129				
cis-1,3-Dichloropropylene	9.53		"	10.0	ND	95.3	74.3-128				
Dibromochloromethane	9.72		"	10.0	ND	97.2	76.8-150				

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30902 - EPA 5030B</b>											
<b>Matrix Spike (BB30902-MS1)</b>	*Source sample: 13B0673-01 (GWQ022013:1133FRW-1)						Prepared: 02/27/2013 Analyzed: 02/28/2013				
Dibromomethane	10.2		ug/L	10.0	ND	102	83.3-140				
Dichlorodifluoromethane	3.68		"	10.0	ND	36.8	51-100	Low Bias			
Ethyl Benzene	10.4		"	10.0	ND	104	82.9-127				
Hexachlorobutadiene	8.88		"	10.0	ND	88.8	73-128				
Isopropylbenzene	9.44		"	10.0	ND	94.4	78.7-131				
Methyl tert-butyl ether (MTBE)	8.28		"	10.0	ND	82.8	81.2-134				
Methylene chloride	12.3		"	10.0	0.790	115	57.8-103	High Bias			
Naphthalene	7.77		"	10.0	0.130	76.4	80.1-122	Low Bias			
n-Butylbenzene	9.40		"	10.0	ND	94.0	72.4-120				
n-Propylbenzene	9.43		"	10.0	ND	94.3	74-130				
o-Xylene	10.1		"	10.0	ND	101	78.8-122				
p- & m- Xylenes	20.6		"	20.0	ND	103	82.5-123				
p-Isopropyltoluene	9.32		"	10.0	ND	93.2	64.9-132				
sec-Butylbenzene	9.61		"	10.0	ND	96.1	25.4-151				
Styrene	11.7		"	10.0	ND	117	74.1-134				
tert-Butylbenzene	9.68		"	10.0	ND	96.8	79.5-171				
Tetrachloroethylene	710		"	10.0	1130	NR	72.5-130	Low Bias			
Toluene	10.2		"	10.0	ND	102	77.8-121				
trans-1,2-Dichloroethylene	9.87		"	10.0	ND	98.7	83.8-140				
trans-1,3-Dichloropropylene	9.41		"	10.0	ND	94.1	74.9-136				
Trichloroethylene	33.9		"	10.0	24.8	91.5	84.4-125				
Trichlorofluoromethane	9.34		"	10.0	ND	93.4	78.7-127				
Vinyl Chloride	7.27		"	10.0	0.480	67.9	72.1-116	Low Bias			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.71</i>		<i>"</i>	<i>10.0</i>		<i>97.1</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81.2-127</i>				
<b>Matrix Spike Dup (BB30902-MSD1)</b>	*Source sample: 13B0673-01 (GWQ022013:1133FRW-1)						Prepared: 02/27/2013 Analyzed: 02/28/2013				
1,1,1,2-Tetrachloroethane	9.72		ug/L	10.0	ND	97.2	82-138		0.103	21.3	
1,1,1-Trichloroethane	26.4		"	10.0	17.0	94.0	85.7-133		12.1	22.6	
1,1,2,2-Tetrachloroethane	9.64		"	10.0	ND	96.4	78.6-136		0.416	23.1	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0	ND	113	74.8-131		5.00	25.6	
1,1,2-Trichloroethane	10.5		"	10.0	ND	105	82.5-129		4.37	19.3	
1,1-Dichloroethane	11.9		"	10.0	1.60	103	81.4-137		3.75	20.7	
1,1-Dichloroethylene	10.3		"	10.0	ND	103	90-138		4.87	22.9	
1,1-Dichloropropylene	9.68		"	10.0	ND	96.8	91.7-131		2.55	24.9	
1,2,3-Trichlorobenzene	8.05		"	10.0	ND	80.5	75.9-130		2.90	21.4	
1,2,3-Trichloropropane	9.03		"	10.0	ND	90.3	77.1-140		2.52	28	
1,2,4-Trichlorobenzene	8.17		"	10.0	ND	81.7	69.8-135		0.984	22.5	
1,2,4-Trimethylbenzene	10.1		"	10.0	ND	101	79.4-131		2.21	33.9	
1,2-Dibromo-3-chloropropane	12.2		"	10.0	ND	122	66.6-143		1.91	23.3	
1,2-Dibromoethane	8.63		"	10.0	ND	86.3	79.8-136		4.86	19.1	
1,2-Dichlorobenzene	8.93		"	10.0	ND	89.3	79.9-130		3.09	23.2	
1,2-Dichloroethane	10.2		"	10.0	ND	102	85-133		0.295	19.1	
1,2-Dichloropropane	9.88		"	10.0	ND	98.8	81.1-132		0.101	19.9	
1,3,5-Trimethylbenzene	9.69		"	10.0	ND	96.9	76.1-121		0.925	31.2	
1,3-Dichlorobenzene	9.14		"	10.0	ND	91.4	79.1-124		2.80	22.6	
1,3-Dichloropropane	8.77		"	10.0	ND	87.7	83.3-130		0.686	20.9	
1,4-Dichlorobenzene	8.90		"	10.0	ND	89.0	79.4-128		3.08	21	
2,2-Dichloropropane	6.81		"	10.0	ND	68.1	54.2-126		1.46	24.5	
2-Chlorotoluene	9.42		"	10.0	ND	94.2	60.2-144		1.39	30.8	
2-Hexanone	9.54		"	10.0	ND	95.4	70-130		9.77	30	
4-Chlorotoluene	9.47		"	10.0	ND	94.7	79.8-128		2.61	23.2	
Acetone	9.35		"	10.0	2.38	69.7	70-130	Low Bias	6.98	30	

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30902 - EPA 5030B</b>												
<b>Matrix Spike Dup (BB30902-MSD1)</b>			*Source sample: 13B0673-01 (GWQ022013:1133FRW-1)					Prepared: 02/27/2013 Analyzed: 02/28/2013				
Benzene	9.86		ug/L	10.0	ND	98.6	74.1-134		2.01	20.8		
Bromobenzene	9.27		"	10.0	ND	92.7	76.6-125		1.41	23		
Bromochloromethane	10.3		"	10.0	ND	103	85-133		0.195	18.4		
Bromodichloromethane	10.5		"	10.0	ND	105	80.8-143		1.44	18.1		
Bromoform	10.0		"	10.0	ND	100	65.8-164		3.34	27.3		
Bromomethane	4.43		"	10.0	ND	44.3	68.7-112	Low Bias	35.6	22.8	Non-dir.	
Carbon tetrachloride	10.4		"	10.0	ND	104	85.7-138		0.671	25.1		
Chlorobenzene	9.75		"	10.0	ND	97.5	79.9-129		1.55	21		
Chloroethane	9.23		"	10.0	ND	92.3	74.7-127		15.4	23.7		
Chloroform	10.3		"	10.0	ND	103	50.6-145		0.974	21.7		
Chloromethane	5.76		"	10.0	ND	57.6	64-111	Low Bias	12.2	21.4		
cis-1,2-Dichloroethylene	23.6		"	10.0	14.5	91.3	75.5-129		10.0	20.2		
cis-1,3-Dichloropropylene	9.28		"	10.0	ND	92.8	74.3-128		2.66	19.8		
Dibromochloromethane	10.1		"	10.0	ND	101	76.8-150		3.64	20.8		
Dibromomethane	9.82		"	10.0	ND	98.2	83.3-140		3.30	20.4		
Dichlorodifluoromethane	3.76		"	10.0	ND	37.6	51-100	Low Bias	2.15	27.6		
Ethyl Benzene	10.4		"	10.0	ND	104	82.9-127		0.384	21.4		
Hexachlorobutadiene	8.58		"	10.0	ND	85.8	73-128		3.44	26		
Isopropylbenzene	9.56		"	10.0	ND	95.6	78.7-131		1.26	26.7		
Methyl tert-butyl ether (MTBE)	8.27		"	10.0	ND	82.7	81.2-134		0.121	21.2		
Methylene chloride	13.0		"	10.0	0.790	122	57.8-103	High Bias	5.99	21.2		
Naphthalene	8.39		"	10.0	0.130	82.6	80.1-122		7.80	26.1		
n-Butylbenzene	9.40		"	10.0	ND	94.0	72.4-120		0.00	30.8		
n-Propylbenzene	9.48		"	10.0	ND	94.8	74-130		0.529	31		
o-Xylene	10.1		"	10.0	ND	101	78.8-122		0.197	21		
p- & m- Xylenes	20.3		"	20.0	ND	102	82.5-123		1.51	22.5		
p-Isopropyltoluene	9.27		"	10.0	ND	92.7	64.9-132		0.538	25.2		
sec-Butylbenzene	9.66		"	10.0	ND	96.6	25.4-151		0.519	25.2		
Styrene	11.7		"	10.0	ND	117	74.1-134		0.257	20		
tert-Butylbenzene	9.69		"	10.0	ND	96.9	79.5-171		0.103	24.8		
Tetrachloroethylene	707		"	10.0	1130	NR	72.5-130	Low Bias	NR	22.7		
Toluene	9.94		"	10.0	ND	99.4	77.8-121		2.19	21.5		
trans-1,2-Dichloroethylene	10.1		"	10.0	ND	101	83.8-140		2.50	20.1		
trans-1,3-Dichloropropylene	9.13		"	10.0	ND	91.3	74.9-136		3.02	22.5		
Trichloroethylene	35.7		"	10.0	24.8	109	84.4-125		17.8	20.7		
Trichlorofluoromethane	9.74		"	10.0	ND	97.4	78.7-127		4.19	24.7		
Vinyl Chloride	8.02		"	10.0	0.480	75.4	72.1-116		10.5	24.9		
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<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>72.6-129</i>					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.47</i>		<i>"</i>	<i>10.0</i>		<i>94.7</i>	<i>63.5-145</i>					
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81.2-127</i>					

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	Limit	Flag
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**Batch BB30944 - EPA 5030B**

**Blank (BB30944-BLK1)**

Prepared & Analyzed: 02/28/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L							
1,1,1-Trichloroethane	ND	0.50	"							
1,1,2,2-Tetrachloroethane	ND	0.50	"							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"							
1,1,2-Trichloroethane	ND	0.50	"							
1,1-Dichloroethane	ND	0.50	"							
1,1-Dichloroethylene	ND	0.50	"							
1,1-Dichloropropylene	ND	0.50	"							
1,2,3-Trichlorobenzene	ND	2.0	"							
1,2,3-Trichloropropane	ND	0.50	"							
1,2,4-Trichlorobenzene	ND	2.0	"							
1,2,4-Trimethylbenzene	ND	0.50	"							
1,2-Dibromo-3-chloropropane	ND	2.0	"							
1,2-Dibromoethane	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dichloropropane	ND	0.50	"							
1,3,5-Trimethylbenzene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,3-Dichloropropane	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
2,2-Dichloropropane	ND	0.50	"							
2-Chlorotoluene	ND	0.50	"							
2-Hexanone	ND	0.50	"							
4-Chlorotoluene	ND	0.50	"							
Acetone	ND	2.0	"							
Benzene	ND	0.50	"							
Bromobenzene	ND	0.50	"							
Bromochloromethane	ND	0.50	"							
Bromodichloromethane	ND	0.50	"							
Bromoform	ND	0.50	"							
Bromomethane	ND	0.50	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	0.50	"							
Chloroethane	ND	0.50	"							
Chloroform	ND	0.50	"							
Chloromethane	ND	0.50	"							
cis-1,2-Dichloroethylene	ND	0.50	"							
cis-1,3-Dichloropropylene	ND	0.50	"							
Dibromochloromethane	ND	0.50	"							
Dibromomethane	ND	0.50	"							
Dichlorodifluoromethane	ND	0.50	"							
Ethyl Benzene	ND	0.50	"							
Hexachlorobutadiene	ND	0.50	"							
Isopropylbenzene	ND	0.50	"							
Methyl tert-butyl ether (MTBE)	ND	0.50	"							
Methylene chloride	2.7	2.0	"							
Naphthalene	0.56	2.0	"							
n-Butylbenzene	ND	0.50	"							
n-Propylbenzene	ND	0.50	"							
o-Xylene	ND	0.50	"							
p- & m- Xylenes	ND	1.0	"							
p-Isopropyltoluene	ND	0.50	"							
sec-Butylbenzene	ND	0.50	"							

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BB30944 - EPA 5030B**

**Blank (BB30944-BLK1)**

Prepared & Analyzed: 02/28/2013

Styrene	ND	0.50	ug/L								
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>	10.4		"	10.0		104	72.6-129				
<i>Surrogate: p-Bromofluorobenzene</i>	9.34		"	10.0		93.4	63.5-145				
<i>Surrogate: Toluene-d8</i>	10.1		"	10.0		101	81.2-127				

**LCS (BB30944-BS1)**

Prepared & Analyzed: 02/28/2013

1,1,1,2-Tetrachloroethane	9.59		ug/L	10.0		95.9	82.3-130				
1,1,1-Trichloroethane	10.2		"	10.0		102	75.6-137				
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	71.1-129				
1,1,2-Trichloroethane	10.2		"	10.0		102	74.5-129				
1,1-Dichloroethane	9.96		"	10.0		99.6	79.6-132				
1,1-Dichloroethylene	9.47		"	10.0		94.7	80.2-146				
1,1-Dichloropropylene	9.32		"	10.0		93.2	75-136				
1,2,3-Trichlorobenzene	9.04		"	10.0		90.4	66.1-136				
1,2,3-Trichloropropane	9.57		"	10.0		95.7	63-131				
1,2,4-Trichlorobenzene	9.11		"	10.0		91.1	70.6-136				
1,2,4-Trimethylbenzene	9.80		"	10.0		98.0	75.3-135				
1,2-Dibromo-3-chloropropane	12.2		"	10.0		122	58.9-140				
1,2-Dibromoethane	9.65		"	10.0		96.5	79-130				
1,2-Dichlorobenzene	9.29		"	10.0		92.9	76.1-122				
1,2-Dichloroethane	10.3		"	10.0		103	74.6-132				
1,2-Dichloropropane	10.1		"	10.0		101	76.9-129				
1,3,5-Trimethylbenzene	9.77		"	10.0		97.7	70.6-127				
1,3-Dichlorobenzene	8.95		"	10.0		89.5	77-124				
1,3-Dichloropropane	9.96		"	10.0		99.6	75.8-126				
1,4-Dichlorobenzene	8.80		"	10.0		88.0	76.6-125				
2,2-Dichloropropane	9.94		"	10.0		99.4	69-133				
2-Chlorotoluene	8.84		"	10.0		88.4	66.3-119				
2-Hexanone	11.3		"	10.0		113	70-130				
4-Chlorotoluene	9.54		"	10.0		95.4	69.2-127				
Acetone	7.26		"	10.0		72.6	70-130				
Benzene	10.0		"	10.0		100	76.2-129				
Bromobenzene	9.33		"	10.0		93.3	71.3-123				
Bromochloromethane	10.2		"	10.0		102	70.8-137				
Bromodichloromethane	10.3		"	10.0		103	79.7-134				
Bromoform	9.61		"	10.0		96.1	70.5-141				
Bromomethane	5.45		"	10.0		54.5	43.9-147				
Carbon tetrachloride	9.75		"	10.0		97.5	78.1-138				
Chlorobenzene	9.63		"	10.0		96.3	80.4-125				
Chloroethane	8.15		"	10.0		81.5	55.8-140				
Chloroform	10.4		"	10.0		104	76.6-133				
Chloromethane	4.90		"	10.0		49.0	48.8-115				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	75.1-128				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	74.5-128				

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BB30944 - EPA 5030B</b>										
<b>LCS (BB30944-BS1)</b>										
Prepared & Analyzed: 02/28/2013										
Dibromochloromethane	9.81		ug/L	10.0		98.1 79.8-134				
Dibromomethane	10.4		"	10.0		104 79-130				
Dichlorodifluoromethane	2.66		"	10.0		26.6 47.1-101	Low Bias			
Ethyl Benzene	10.3		"	10.0		103 80.8-128				
Hexachlorobutadiene	9.11		"	10.0		91.1 64.8-128				
Isopropylbenzene	8.97		"	10.0		89.7 75.5-135				
Methyl tert-butyl ether (MTBE)	8.81		"	10.0		88.1 65.1-140				
Methylene chloride	12.5		"	10.0		125 61.3-120	High Bias			
Naphthalene	9.37		"	10.0		93.7 62.3-148				
n-Butylbenzene	9.66		"	10.0		96.6 67.2-123				
n-Propylbenzene	9.27		"	10.0		92.7 70.5-127				
o-Xylene	10.2		"	10.0		102 75.9-122				
p- & m- Xylenes	20.2		"	20.0		101 77.7-127				
p-Isopropyltoluene	9.13		"	10.0		91.3 75.6-129				
sec-Butylbenzene	9.23		"	10.0		92.3 71.5-125				
Styrene	11.8		"	10.0		118 77.8-123				
tert-Butylbenzene	9.08		"	10.0		90.8 75.9-151				
Tetrachloroethylene	9.34		"	10.0		93.4 63.6-167				
Toluene	9.73		"	10.0		97.3 77-123				
trans-1,2-Dichloroethylene	9.66		"	10.0		96.6 76.3-139				
trans-1,3-Dichloropropylene	10.5		"	10.0		105 72.5-137				
Trichloroethylene	9.52		"	10.0		95.2 77.9-130				
Trichlorofluoromethane	8.54		"	10.0		85.4 57.4-133				
Vinyl Chloride	6.37		"	10.0		63.7 54.9-124				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101 72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.63</i>		<i>"</i>	<i>10.0</i>		<i>96.3 63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102 81.2-127</i>				

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30944 - EPA 5030B</b>											
<b>LCS Dup (BB30944-BSD1)</b>											
										Prepared & Analyzed: 02/28/2013	
1,1,1,2-Tetrachloroethane	9.18		ug/L	10.0		91.8	82.3-130		4.37	21.1	
1,1,1-Trichloroethane	9.76		"	10.0		97.6	75.6-137		4.80	19.7	
1,1,2,2-Tetrachloroethane	8.77		"	10.0		87.7	71.3-131		13.8	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.99		"	10.0		99.9	71.1-129		4.41	21.7	
1,1,2-Trichloroethane	9.03		"	10.0		90.3	74.5-129		11.7	20.3	
1,1-Dichloroethane	9.74		"	10.0		97.4	79.6-132		2.23	20.6	
1,1-Dichloroethylene	8.85		"	10.0		88.5	80.2-146		6.77	20	
1,1-Dichloropropylene	9.35		"	10.0		93.5	75-136		0.321	19.3	
1,2,3-Trichlorobenzene	7.81		"	10.0		78.1	66.1-136		14.6	21.6	
1,2,3-Trichloropropane	8.36		"	10.0		83.6	63-131		13.5	23.9	
1,2,4-Trichlorobenzene	8.22		"	10.0		82.2	70.6-136		10.3	21.7	
1,2,4-Trimethylbenzene	8.92		"	10.0		89.2	75.3-135		9.40	18.8	
1,2-Dibromo-3-chloropropane	11.4		"	10.0		114	58.9-140		6.68	27.7	
1,2-Dibromoethane	8.82		"	10.0		88.2	79-130		8.99	23	
1,2-Dichlorobenzene	8.31		"	10.0		83.1	76.1-122		11.1	19.8	
1,2-Dichloroethane	9.52		"	10.0		95.2	74.6-132		7.77	20.2	
1,2-Dichloropropane	9.20		"	10.0		92.0	76.9-129		9.03	20.7	
1,3,5-Trimethylbenzene	8.98		"	10.0		89.8	70.6-127		8.43	18.9	
1,3-Dichlorobenzene	8.70		"	10.0		87.0	77-124		2.83	19.2	
1,3-Dichloropropane	9.17		"	10.0		91.7	75.8-126		8.26	22.1	
1,4-Dichlorobenzene	8.20		"	10.0		82.0	76.6-125		7.06	18.6	
2,2-Dichloropropane	9.51		"	10.0		95.1	69-133		4.42	19.8	
2-Chlorotoluene	8.39		"	10.0		83.9	66.3-119		5.22	21.6	
2-Hexanone	10.2		"	10.0		102	70-130		10.3	30	
4-Chlorotoluene	8.89		"	10.0		88.9	69.2-127		7.05	19	
Acetone	6.97		"	10.0		69.7	70-130	Low Bias	4.08	30	
Benzene	9.45		"	10.0		94.5	76.2-129		5.66	19	
Bromobenzene	8.14		"	10.0		81.4	71.3-123		13.6	20.3	
Bromochloromethane	9.99		"	10.0		99.9	70.8-137		2.57	23.9	
Bromodichloromethane	9.60		"	10.0		96.0	79.7-134		7.04	21	
Bromoform	8.53		"	10.0		85.3	70.5-141		11.9	21.8	
Bromomethane	5.50		"	10.0		55.0	43.9-147		0.913	28.4	
Carbon tetrachloride	9.76		"	10.0		97.6	78.1-138		0.103	20.1	
Chlorobenzene	9.12		"	10.0		91.2	80.4-125		5.44	19.9	
Chloroethane	8.02		"	10.0		80.2	55.8-140		1.61	23.3	
Chloroform	9.77		"	10.0		97.7	76.6-133		5.86	20.3	
Chloromethane	4.94		"	10.0		49.4	48.8-115		0.813	24.5	
cis-1,2-Dichloroethylene	9.91		"	10.0		99.1	75.1-128		3.08	20.5	
cis-1,3-Dichloropropylene	9.26		"	10.0		92.6	74.5-128		9.66	19.9	
Dibromochloromethane	9.30		"	10.0		93.0	79.8-134		5.34	21.3	
Dibromomethane	9.07		"	10.0		90.7	79-130		13.7	22.4	
Dichlorodifluoromethane	2.51		"	10.0		25.1	47.1-101	Low Bias	5.80	23.9	
Ethyl Benzene	9.75		"	10.0		97.5	80.8-128		5.39	19.2	
Hexachlorobutadiene	8.10		"	10.0		81.0	64.8-128		11.7	20.6	
Isopropylbenzene	8.41		"	10.0		84.1	75.5-135		6.44	20	
Methyl tert-butyl ether (MTBE)	7.96		"	10.0		79.6	65.1-140		10.1	23.6	
Methylene chloride	11.9		"	10.0		119	61.3-120		5.17	20.4	
Naphthalene	8.05		"	10.0		80.5	62.3-148		15.2	27.1	
n-Butylbenzene	8.82		"	10.0		88.2	67.2-123		9.09	19.1	
n-Propylbenzene	8.58		"	10.0		85.8	70.5-127		7.73	23.4	
o-Xylene	9.49		"	10.0		94.9	75.9-122		6.72	19.3	
p- & m- Xylenes	19.4		"	20.0		97.2	77.7-127		3.88	18.6	
p-Isopropyltoluene	8.37		"	10.0		83.7	75.6-129		8.69	19.1	
sec-Butylbenzene	8.61		"	10.0		86.1	71.5-125		6.95	18.9	

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30944 - EPA 5030B**

**LCS Dup (BB30944-BSD1)**

Prepared & Analyzed: 02/28/2013

Styrene	11.2		ug/L	10.0		112	77.8-123		5.04	20.9	
tert-Butylbenzene	8.44		"	10.0		84.4	75.9-151		7.31	20.9	
Tetrachloroethylene	8.89		"	10.0		88.9	63.6-167		4.94	27.7	
Toluene	9.16		"	10.0		91.6	77-123		6.03	18.7	
trans-1,2-Dichloroethylene	9.29		"	10.0		92.9	76.3-139		3.91	19.5	
trans-1,3-Dichloropropylene	9.50		"	10.0		95.0	72.5-137		9.62	19.3	
Trichloroethylene	9.08		"	10.0		90.8	77.9-130		4.73	20.5	
Trichlorofluoromethane	8.25		"	10.0		82.5	57.4-133		3.45	21.4	
Vinyl Chloride	6.05		"	10.0		60.5	54.9-124		5.15	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.9</i>		<i>"</i>	<i>10.0</i>		<i>109</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.49</i>		<i>"</i>	<i>10.0</i>		<i>94.9</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>81.2-127</i>				

**Matrix Spike (BB30944-MS1)**

\*Source sample: 13B0673-01RE1 (GWQ022013:1133FRW-1)

Prepared & Analyzed: 02/28/2013

1,1,1,2-Tetrachloroethane	9.18		ug/L	10.0	ND	91.8	82-138				
1,1,1-Trichloroethane	10.4		"	10.0	21.0	NR	85.7-133	Low Bias			
1,1,2,2-Tetrachloroethane	8.87		"	10.0	ND	88.7	78.6-136				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.1		"	10.0	ND	131	74.8-131				
1,1,2-Trichloroethane	9.16		"	10.0	ND	91.6	82.5-129				
1,1-Dichloroethane	10.8		"	10.0	ND	108	81.4-137				
1,1-Dichloroethylene	11.0		"	10.0	ND	110	90-138				
1,1-Dichloropropylene	9.89		"	10.0	ND	98.9	91.7-131				
1,2,3-Trichlorobenzene	7.69		"	10.0	ND	76.9	75.9-130				
1,2,3-Trichloropropane	8.51		"	10.0	ND	85.1	77.1-140				
1,2,4-Trichlorobenzene	8.02		"	10.0	ND	80.2	69.8-135				
1,2,4-Trimethylbenzene	9.37		"	10.0	ND	93.7	79.4-131				
1,2-Dibromo-3-chloropropane	10.4		"	10.0	ND	104	66.6-143				
1,2-Dibromoethane	8.86		"	10.0	ND	88.6	79.8-136				
1,2-Dichlorobenzene	8.52		"	10.0	ND	85.2	79.9-130				
1,2-Dichloroethane	9.84		"	10.0	ND	98.4	85-133				
1,2-Dichloropropane	9.57		"	10.0	ND	95.7	81.1-132				
1,3,5-Trimethylbenzene	9.08		"	10.0	ND	90.8	76.1-121				
1,3-Dichlorobenzene	8.44		"	10.0	ND	84.4	79.1-124				
1,3-Dichloropropane	8.96		"	10.0	ND	89.6	83.3-130				
1,4-Dichlorobenzene	8.10		"	10.0	ND	81.0	79.4-128				
2,2-Dichloropropane	9.85		"	10.0	ND	98.5	54.2-126				
2-Chlorotoluene	8.74		"	10.0	ND	87.4	60.2-144				
2-Hexanone	9.32		"	10.0	ND	93.2	70-130				
4-Chlorotoluene	8.96		"	10.0	ND	89.6	79.8-128				
Acetone	8.46		"	10.0	ND	84.6	70-130				
Benzene	10.2		"	10.0	ND	102	74.1-134				
Bromobenzene	8.53		"	10.0	ND	85.3	76.6-125				
Bromochloromethane	10.5		"	10.0	ND	105	85-133				
Bromodichloromethane	9.49		"	10.0	ND	94.9	80.8-143				
Bromoform	8.81		"	10.0	ND	88.1	65.8-164				
Bromomethane	6.18		"	10.0	ND	61.8	68.7-112	Low Bias			
Carbon tetrachloride	10.5		"	10.0	ND	105	85.7-138				
Chlorobenzene	9.17		"	10.0	ND	91.7	79.9-129				
Chloroethane	11.1		"	10.0	ND	111	74.7-127				
Chloroform	10.2		"	10.0	ND	102	50.6-145				
Chloromethane	9.41		"	10.0	ND	94.1	64-111				
cis-1,2-Dichloroethylene	10.8		"	10.0	19.0	NR	75.5-129	Low Bias			
cis-1,3-Dichloropropylene	9.62		"	10.0	ND	96.2	74.3-128				
Dibromochloromethane	9.17		"	10.0	ND	91.7	76.8-150				

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30944 - EPA 5030B**

Matrix Spike (BB30944-MS1)	*Source sample: 13B0673-01RE1 (GWQ022013:1133FRW-1)					Prepared & Analyzed: 02/28/2013					
Dibromomethane	9.22		ug/L	10.0	ND	92.2	83.3-140				
Dichlorodifluoromethane	11.9		"	10.0	ND	119	51-100	High Bias			
Ethyl Benzene	9.66		"	10.0	ND	96.6	82.9-127				
Hexachlorobutadiene	8.20		"	10.0	ND	82.0	73-128				
Isopropylbenzene	8.85		"	10.0	ND	88.5	78.7-131				
Methyl tert-butyl ether (MTBE)	10.4		"	10.0	ND	104	81.2-134				
Methylene chloride	11.5		"	10.0	76.5	NR	57.8-103	Low Bias			
Naphthalene	7.42		"	10.0	ND	74.2	80.1-122	Low Bias			
n-Butylbenzene	8.70		"	10.0	ND	87.0	72.4-120				
n-Propylbenzene	8.89		"	10.0	ND	88.9	74-130				
o-Xylene	9.36		"	10.0	ND	93.6	78.8-122				
p- & m- Xylenes	19.3		"	20.0	ND	96.3	82.5-123				
p-Isopropyltoluene	8.69		"	10.0	ND	86.9	64.9-132				
sec-Butylbenzene	9.04		"	10.0	ND	90.4	25.4-151				
Styrene	11.3		"	10.0	ND	113	74.1-134				
tert-Butylbenzene	8.78		"	10.0	ND	87.8	79.5-171				
Tetrachloroethylene	26.3		"	10.0	1130	NR	72.5-130	Low Bias			
Toluene	9.38		"	10.0	ND	93.8	77.8-121				
trans-1,2-Dichloroethylene	10.4		"	10.0	ND	104	83.8-140				
trans-1,3-Dichloropropylene	9.25		"	10.0	ND	92.5	74.9-136				
Trichloroethylene	9.96		"	10.0	27.0	NR	84.4-125	Low Bias			
Trichlorofluoromethane	11.3		"	10.0	ND	113	78.7-127				
Vinyl Chloride	11.0		"	10.0	ND	110	72.1-116				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.60</i>		<i>"</i>	<i>10.0</i>		<i>96.0</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.81</i>		<i>"</i>	<i>10.0</i>		<i>98.1</i>	<i>81.2-127</i>				

Matrix Spike Dup (BB30944-MSD1)	*Source sample: 13B0673-01RE1 (GWQ022013:1133FRW-1)					Prepared & Analyzed: 02/28/2013					
1,1,1,2-Tetrachloroethane	9.20		ug/L	10.0	ND	92.0	82-138		0.218	21.3	
1,1,1-Trichloroethane	10.6		"	10.0	21.0	NR	85.7-133	Low Bias	NR	22.6	
1,1,2,2-Tetrachloroethane	9.44		"	10.0	ND	94.4	78.6-136		6.23	23.1	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.0		"	10.0	ND	130	74.8-131		0.921	25.6	
1,1,2-Trichloroethane	9.06		"	10.0	ND	90.6	82.5-129		1.10	19.3	
1,1-Dichloroethane	10.6		"	10.0	ND	106	81.4-137		1.96	20.7	
1,1-Dichloroethylene	11.1		"	10.0	ND	111	90-138		0.725	22.9	
1,1-Dichloropropylene	10.2		"	10.0	ND	102	91.7-131		3.57	24.9	
1,2,3-Trichlorobenzene	7.90		"	10.0	ND	79.0	75.9-130		2.69	21.4	
1,2,3-Trichloropropane	9.00		"	10.0	ND	90.0	77.1-140		5.60	28	
1,2,4-Trichlorobenzene	8.37		"	10.0	ND	83.7	69.8-135		4.27	22.5	
1,2,4-Trimethylbenzene	10.0		"	10.0	ND	100	79.4-131		6.90	33.9	
1,2-Dibromo-3-chloropropane	10.3		"	10.0	ND	103	66.6-143		1.16	23.3	
1,2-Dibromoethane	8.71		"	10.0	ND	87.1	79.8-136		1.71	19.1	
1,2-Dichlorobenzene	9.10		"	10.0	ND	91.0	79.9-130		6.58	23.2	
1,2-Dichloroethane	9.81		"	10.0	ND	98.1	85-133		0.305	19.1	
1,2-Dichloropropane	9.34		"	10.0	ND	93.4	81.1-132		2.43	19.9	
1,3,5-Trimethylbenzene	9.63		"	10.0	ND	96.3	76.1-121		5.88	31.2	
1,3-Dichlorobenzene	9.11		"	10.0	ND	91.1	79.1-124		7.64	22.6	
1,3-Dichloropropane	9.12		"	10.0	ND	91.2	83.3-130		1.77	20.9	
1,4-Dichlorobenzene	8.66		"	10.0	ND	86.6	79.4-128		6.68	21	
2,2-Dichloropropane	9.80		"	10.0	ND	98.0	54.2-126		0.509	24.5	
2-Chlorotoluene	9.46		"	10.0	ND	94.6	60.2-144		7.91	30.8	
2-Hexanone	9.57		"	10.0	ND	95.7	70-130		2.65	30	
4-Chlorotoluene	9.75		"	10.0	ND	97.5	79.8-128		8.44	23.2	
Acetone	9.54		"	10.0	ND	95.4	70-130		12.0	30	

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BB30944 - EPA 5030B</b>										
<b>Matrix Spike Dup (BB30944-MSD1)</b>	*Source sample: 13B0673-01RE1 (GWQ022013:1133FRW-1)					Prepared & Analyzed: 02/28/2013				
Benzene	10.3		ug/L	10.0	ND	103	74.1-134		1.76	20.8
Bromobenzene	9.24		"	10.0	ND	92.4	76.6-125		7.99	23
Bromochloromethane	10.7		"	10.0	ND	107	85-133		2.46	18.4
Bromodichloromethane	9.84		"	10.0	ND	98.4	80.8-143		3.62	18.1
Bromoform	9.25		"	10.0	ND	92.5	65.8-164		4.87	27.3
Bromomethane	7.25		"	10.0	ND	72.5	68.7-112		15.9	22.8
Carbon tetrachloride	10.6		"	10.0	ND	106	85.7-138		1.33	25.1
Chlorobenzene	9.27		"	10.0	ND	92.7	79.9-129		1.08	21
Chloroethane	11.3		"	10.0	ND	113	74.7-127		1.52	23.7
Chloroform	10.3		"	10.0	ND	103	50.6-145		1.17	21.7
Chloromethane	9.80		"	10.0	ND	98.0	64-111		4.06	21.4
cis-1,2-Dichloroethylene	10.8		"	10.0	19.0	NR	75.5-129	Low Bias	NR	20.2
cis-1,3-Dichloropropylene	9.83		"	10.0	ND	98.3	74.3-128		2.16	19.8
Dibromochloromethane	9.38		"	10.0	ND	93.8	76.8-150		2.26	20.8
Dibromomethane	9.58		"	10.0	ND	95.8	83.3-140		3.83	20.4
Dichlorodifluoromethane	11.5		"	10.0	ND	115	51-100	High Bias	3.85	27.6
Ethyl Benzene	10.2		"	10.0	ND	102	82.9-127		5.14	21.4
Hexachlorobutadiene	9.00		"	10.0	ND	90.0	73-128		9.30	26
Isopropylbenzene	9.66		"	10.0	ND	96.6	78.7-131		8.75	26.7
Methyl tert-butyl ether (MTBE)	10.3		"	10.0	ND	103	81.2-134		1.16	21.2
Methylene chloride	11.7		"	10.0	76.5	NR	57.8-103	Low Bias	NR	21.2
Naphthalene	7.99		"	10.0	ND	79.9	80.1-122	Low Bias	7.40	26.1
n-Butylbenzene	9.33		"	10.0	ND	93.3	72.4-120		6.99	30.8
n-Propylbenzene	9.67		"	10.0	ND	96.7	74-130		8.41	31
o-Xylene	9.65		"	10.0	ND	96.5	78.8-122		3.05	21
p- & m- Xylenes	19.7		"	20.0	ND	98.6	82.5-123		2.36	22.5
p-Isopropyltoluene	9.58		"	10.0	ND	95.8	64.9-132		9.74	25.2
sec-Butylbenzene	9.71		"	10.0	ND	97.1	25.4-151		7.15	25.2
Styrene	11.4		"	10.0	ND	114	74.1-134		1.59	20
tert-Butylbenzene	9.38		"	10.0	ND	93.8	79.5-171		6.61	24.8
Tetrachloroethylene	27.4		"	10.0	1130	NR	72.5-130	Low Bias	NR	22.7
Toluene	9.56		"	10.0	ND	95.6	77.8-121		1.90	21.5
trans-1,2-Dichloroethylene	10.8		"	10.0	ND	108	83.8-140		3.96	20.1
trans-1,3-Dichloropropylene	9.45		"	10.0	ND	94.5	74.9-136		2.14	22.5
Trichloroethylene	9.88		"	10.0	27.0	NR	84.4-125	Low Bias	NR	20.7
Trichlorofluoromethane	11.7		"	10.0	ND	117	78.7-127		3.39	24.7
Vinyl Chloride	10.9		"	10.0	ND	109	72.1-116		1.19	24.9
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>72.6-129</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.80</i>		<i>"</i>	<i>10.0</i>		<i>98.0</i>	<i>63.5-145</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.90</i>		<i>"</i>	<i>10.0</i>		<i>99.0</i>	<i>81.2-127</i>			

## Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13B0673-01	GWQ022013:1133FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13B0673-02	GWQ022013:1059FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13B0673-03	GWQ022013:1023FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13B0673-04	GWQ022013:1216FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

### Notes and Definitions

- VOA-CO The result reported is most likely due to carryover from a previous sample run in the batch. Data user should take note.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
- 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); therefore, 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.

- ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
- RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
- 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.

# YORK

ANALYTICAL LABORATORIES, INC.

Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL 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 unless superseded by written contract.

York Project No. 13B0673

<b>Client Information</b> Company: <u>LBG</u> Address: <u>4 Research Drive, Suite 301, Shelton CT, 06484</u> Phone no.: <u>203-929-8555</u> Contact Person: <u>Tunde Sandor</u> E-mail Addr.: <u>tsandor@lbgct.com</u> FAX No.: <u>203-926-9140</u>		<b>Report to:</b> SAME <input type="checkbox"/> Tunde Sandor Name: <u>Mark Goldberg</u> Company: <u>Same</u> Address: <u>Same</u> E-mail: <u>Same</u> Fax No.: <u>Same</u>		<b>Invoice To:</b> SAME <input type="checkbox"/> Mark Goldberg Name: <u>Mark Goldberg</u> Company: <u>Same</u> Address: <u>Same</u> E-mail: <u>Same</u> Fax No.: <u>Same</u>		<b>Client Project ID</b> Rowe Industries Purchase Order no. <u>NABSAG</u> Samples from: <u>CT_NY_NJ_OTHER</u>		<b>Turn-Around Time</b> RUSH Same Day RUSH Next Day RUSH Two Day RUSH Three Day RUSH Four Day Standard (5-7 days) <input checked="" type="checkbox"/> Excel OTHER <input type="checkbox"/> EDD		<b>Report Type/Deliverables</b> Summary <u>x, pdf</u> QA/QC Summary <u>x, pdf</u> CT RCP Pkg ASP A Pkg ASP B Pkg Excel EDD <u>x, Excel</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><i>Evan Foster</i>                  Samples Collected/Authorized By (Signature)  <u>Evan Foster</u>                  Name (printed)</p>																							
<b>Volatiles</b> 8270 or 625 STARS BN Only Acids Only PAH TAGM TCM list TAGM CT RCP Arom. Halog. App. IX 8021B list			<b>Semi-Vols. Pest/Contam</b> 8082PCB RCP13 TAL CT15 Total Site Spec. SFLP or TCLP Benzene Nassau Co. Suffolk Co. TAGM CT RCP TCM list TAGM CT RCP Arom. Halog. App. IX 8021B list			<b>Metals</b> CR18 PP13 TAL CT15 Total Dissolved SFLP or TCLP TCM list TCM list CT RCP TCM list App. IX SFLP or TCLP TCLP BNA 608 PCB			<b>Misc. Org.</b> TPH GRO TPH DRO CT ETPH NY 310-13 TPH 418.1 Air TO14A Air TO15 Air STARS SFLP or TCLP TCM list TCM list CT RCP TCM list App. IX SFLP or TCLP TCLP BNA 608 PCB			<b>Full Lists</b> Pri. Poll. TCL Ograns TAL MetCN Full TCLP Full App. IX Part 360 base Part 360 base Part 360 base Part 360 base Part 360 base NYSDJCSover TAGM			<b>Miscellaneous Parameters</b> Comoxity Reactivity Ignitability Flash Point Sieve Anal. Heterotrophs TOX BTU/lb. Aquatic Tox. TOC Ashes Silica			<b>Color</b> Phenols Cyanide-T Cyanide-A BOD5 BOD28 Phosphate Tot. Phos. Oil & Grease F.O.G. pH TDS TPH-IR			<b>Special Instructions</b> Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>		
<p align="center"><b>Choose Analyses Needed from the Menu Above and Enter Below</b></p>																							
Sample Identification <u>GW0022013:1133FRW-1</u> <u>GW0022013:1059FRW-2</u> <u>GW0022013:1023FRW-3</u> <u>GW0022013:1216FRW-4</u> <u>GW0022013:1133FRW-1MS</u> <u>GW0022013:1133FRW-1MSD</u>		Date Sampled <u>2-20-13</u> ↓		Sample Matrix GW GW GW GW GW GW GW		VOC 8260 full list (EPA SW846-8260B) VOC 8260 full list (EPA SW846-8260B) VOC 8260 full list (EPA SW846-8260B) VOC 8260 full list (EPA SW846-8260B) VOC 8260 full list (EPA SW846-8260B) VOC 8260 full list (EPA SW846-8260B) VOC 8260 full list (EPA SW846-8260B)		Container Description(s) <u>2V</u> <u>2V</u> <u>2V</u> <u>2V</u> <u>2V</u> <u>2V</u> <u>MSD</u>															
<p><b>Comments</b></p> <p>Cool 4°C <u>HNO3</u> H2SO4 <u>NaOH</u> NONE <u>FROZEN</u></p> <p>Preservation "X" those applicable</p> <p><u>Dave's base</u> 10:00 Date/Time                  Samples Relinquished By Date/Time  <u>Chris C 2-25-13</u> 10:00 Date/Time                  Samples Received By Date/Time  <u>J. Hill</u> 2/25/13-1520 Date/Time                  Samples Relinquished By Date/Time                  Samples Received in LAB by Date/Time</p> <p>Temperature on Receipt <u>3.6 °C</u></p>																							

# YORK

ANALYTICAL LABORATORIES, INC.

## Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 03/01/2013

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 13B0674

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 03/01/2013  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 13B0674

**Leggette Brashears & Graham Shelton Office**  
4 Research Drive, Suite 301  
Shelton CT, 06484  
Attention: Tunde Komuves-Sandor

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 25, 2013 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>
13B0674-01	GWQ022013:1030NP1-1-2	Water	02/13/2013	02/25/2013
13B0674-02	GWQ022013:1040NP1-1-4	Water	02/13/2013	02/25/2013
13B0674-03	GWQ022013:1050NP1-1-6	Water	02/13/2013	02/25/2013
13B0674-04	GWQ022013:1100NP1-1-7	Water	02/13/2013	02/25/2013

## General Notes for York Project (SDG) No.: 13B0674

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:



Robert Q. Bradley  
Laboratory Director

Date: 03/01/2013

**YORK**

## Sample Information

**Client Sample ID:** GWQ022013:1030NP1-1-2

**York Sample ID:** 13B0674-01

York Project (SDG) No.  
13B0674

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 13, 2013 10:30 am

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes: HT-01**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
71-55-6	1,1,1-Trichloroethane	0.26	J	ug/L	0.024	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS

## Sample Information

**Client Sample ID:** GWQ022013:1030NP1-1-2

**York Sample ID:** 13B0674-01

York Project (SDG) No.  
13B0674

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 13, 2013 10:30 am

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes: HT-01**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
156-59-2	cis-1,2-Dichloroethylene	<b>0.57</b>		ug/L	0.069	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
75-09-2	Methylene chloride	<b>1.1</b>	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
127-18-4	Tetrachloroethylene	<b>1.1</b>		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
79-01-6	Trichloroethylene	<b>0.71</b>		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 02:25	SS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0 *Surrogate: 1,2-Dichloroethane-d4* 107 %  
 460-00-4 *Surrogate: p-Bromofluorobenzene* 94.2 %  
 2037-26-5 *Surrogate: Toluene-d8* 102 %

72.6-129  
 63.5-145  
 81.2-127

## Sample Information

**Client Sample ID:** GWQ022013:1030NP1-1-2

**York Sample ID:** 13B0674-01

York Project (SDG) No.  
13B0674

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 13, 2013 10:30 am

Date Received  
02/25/2013

## Sample Information

**Client Sample ID:** GWQ022013:1040NP1-1-4

**York Sample ID:** 13B0674-02

York Project (SDG) No.  
13B0674

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 13, 2013 10:40 am

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes: HT-01**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
71-55-6	1,1,1-Trichloroethane	2.0		ug/L	0.024	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
75-34-3	1,1-Dichloroethane	0.56		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS

## Sample Information

**Client Sample ID:** GWQ022013:1040NP1-1-4

**York Sample ID:** 13B0674-02

York Project (SDG) No.  
13B0674

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 13, 2013 10:40 am

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes: HT-01**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
67-66-3	Chloroform	0.16	J	ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
75-09-2	Methylene chloride	1.3	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
127-18-4	Tetrachloroethylene	1.5		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
79-01-6	Trichloroethylene	0.25	J	ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS

## Sample Information

**Client Sample ID:** GWQ022013:1040NP1-1-4

**York Sample ID:** 13B0674-02

York Project (SDG) No.  
13B0674

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 13, 2013 10:40 am

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes: HT-01**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:01	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	95.3 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	98.8 %			81.2-127						

## Sample Information

**Client Sample ID:** GWQ022013:1050NP1-1-6

**York Sample ID:** 13B0674-03

York Project (SDG) No.  
13B0674

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 13, 2013 10:50 am

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes: HT-01**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
71-55-6	1,1,1-Trichloroethane	0.45	J	ug/L	0.024	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS

## Sample Information

**Client Sample ID:** GWQ022013:1050NP1-1-6

**York Sample ID:** 13B0674-03

York Project (SDG) No.  
13B0674

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 13, 2013 10:50 am

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes: HT-01**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
67-66-3	Chloroform	0.16	J	ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
75-09-2	Methylene chloride	2.8	B	ug/L	0.26	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS

## Sample Information

**Client Sample ID:** GWQ022013:1050NP1-1-6

**York Sample ID:** 13B0674-03

York Project (SDG) No.  
13B0674

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 13, 2013 10:50 am

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes: HT-01**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
127-18-4	Tetrachloroethylene	1.3		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 03:37	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	96.4 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	101 %	81.2-127								

## Sample Information

**Client Sample ID:** GWQ022013:1100NP1-1-7

**York Sample ID:** 13B0674-04

York Project (SDG) No.  
13B0674

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 13, 2013 11:00 am

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes: HT-01**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
71-55-6	1,1,1-Trichloroethane	0.34	J	ug/L	0.024	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS

## Sample Information

**Client Sample ID:** GWQ022013:1100NP1-1-7

**York Sample ID:** 13B0674-04

York Project (SDG) No.  
13B0674

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 13, 2013 11:00 am

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes: HT-01**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS

## Sample Information

**Client Sample ID:** GWQ022013:1100NP1-1-7

**York Sample ID:** 13B0674-04

York Project (SDG) No.  
13B0674

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
February 13, 2013 11:00 am

Date Received  
02/25/2013

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

**Log-in Notes:**

**Sample Notes: HT-01**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	1.0	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
127-18-4	Tetrachloroethylene	0.96		ug/L	0.070	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	02/27/2013 12:27	02/28/2013 04:13	SS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	72.6-129
460-00-4	Surrogate: p-Bromofluorobenzene	93.8 %	63.5-145
2037-26-5	Surrogate: Toluene-d8	102 %	81.2-127

## Analytical Batch Summary

**Batch ID:** BB30902

**Preparation Method:** EPA 5030B

**Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13B0674-01	GWQ022013:1030NP1-1-2	02/27/13
13B0674-02	GWQ022013:1040NP1-1-4	02/27/13
13B0674-03	GWQ022013:1050NP1-1-6	02/27/13
13B0674-04	GWQ022013:1100NP1-1-7	02/27/13
BB30902-BLK1	Blank	02/27/13
BB30902-BS1	LCS	02/27/13
BB30902-BSD1	LCS Dup	02/27/13

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30902 - EPA 5030B**

**Blank (BB30902-BLK1)**

Prepared & Analyzed: 02/27/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
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	3.7	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	1.9	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BB30902 - EPA 5030B**

**Blank (BB30902-BLK1)**

Prepared & Analyzed: 02/27/2013

Styrene	ND	0.50	ug/L							
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

72.6-129

*Surrogate: p-Bromofluorobenzene*

9.69

"

10.0

96.9

63.5-145

*Surrogate: Toluene-d8*

9.87

"

10.0

98.7

81.2-127

**LCS (BB30902-BS1)**

Prepared & Analyzed: 02/27/2013

1,1,1,2-Tetrachloroethane	9.53		ug/L	10.0		95.3	82.3-130
1,1,1-Trichloroethane	10.2		"	10.0		102	75.6-137
1,1,2,2-Tetrachloroethane	9.14		"	10.0		91.4	71.3-131
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4		"	10.0		114	71.1-129
1,1,2-Trichloroethane	9.55		"	10.0		95.5	74.5-129
1,1-Dichloroethane	10.4		"	10.0		104	79.6-132
1,1-Dichloroethylene	10.1		"	10.0		101	80.2-146
1,1-Dichloropropylene	9.80		"	10.0		98.0	75-136
1,2,3-Trichlorobenzene	8.48		"	10.0		84.8	66.1-136
1,2,3-Trichloropropane	9.30		"	10.0		93.0	63-131
1,2,4-Trichlorobenzene	8.73		"	10.0		87.3	70.6-136
1,2,4-Trimethylbenzene	9.86		"	10.0		98.6	75.3-135
1,2-Dibromo-3-chloropropane	11.8		"	10.0		118	58.9-140
1,2-Dibromoethane	9.12		"	10.0		91.2	79-130
1,2-Dichlorobenzene	9.10		"	10.0		91.0	76.1-122
1,2-Dichloroethane	10.2		"	10.0		102	74.6-132
1,2-Dichloropropane	9.65		"	10.0		96.5	76.9-129
1,3,5-Trimethylbenzene	9.73		"	10.0		97.3	70.6-127
1,3-Dichlorobenzene	9.21		"	10.0		92.1	77-124
1,3-Dichloropropane	9.74		"	10.0		97.4	75.8-126
1,4-Dichlorobenzene	8.97		"	10.0		89.7	76.6-125
2,2-Dichloropropane	8.15		"	10.0		81.5	69-133
2-Chlorotoluene	9.01		"	10.0		90.1	66.3-119
2-Hexanone	9.78		"	10.0		97.8	70-130
4-Chlorotoluene	9.58		"	10.0		95.8	69.2-127
Acetone	10.6		"	10.0		106	70-130
Benzene	10.1		"	10.0		101	76.2-129
Bromobenzene	9.20		"	10.0		92.0	71.3-123
Bromochloromethane	9.83		"	10.0		98.3	70.8-137
Bromodichloromethane	10.3		"	10.0		103	79.7-134
Bromoform	9.21		"	10.0		92.1	70.5-141
Bromomethane	6.91		"	10.0		69.1	43.9-147
Carbon tetrachloride	10.6		"	10.0		106	78.1-138
Chlorobenzene	9.49		"	10.0		94.9	80.4-125
Chloroethane	9.27		"	10.0		92.7	55.8-140
Chloroform	10.5		"	10.0		105	76.6-133
Chloromethane	7.40		"	10.0		74.0	48.8-115
cis-1,2-Dichloroethylene	10.5		"	10.0		105	75.1-128
cis-1,3-Dichloropropylene	9.48		"	10.0		94.8	74.5-128

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BB30902 - EPA 5030B</b>										
<b>LCS (BB30902-BS1)</b>										Prepared & Analyzed: 02/27/2013
Dibromochloromethane	9.55		ug/L	10.0		95.5			79.8-134	
Dibromomethane	9.56		"	10.0		95.6			79-130	
Dichlorodifluoromethane	4.91		"	10.0		49.1			47.1-101	
Ethyl Benzene	10.2		"	10.0		102			80.8-128	
Hexachlorobutadiene	8.64		"	10.0		86.4			64.8-128	
Isopropylbenzene	9.10		"	10.0		91.0			75.5-135	
Methyl tert-butyl ether (MTBE)	8.21		"	10.0		82.1			65.1-140	
Methylene chloride	11.4		"	10.0		114			61.3-120	
Naphthalene	8.61		"	10.0		86.1			62.3-148	
n-Butylbenzene	9.57		"	10.0		95.7			67.2-123	
n-Propylbenzene	9.34		"	10.0		93.4			70.5-127	
o-Xylene	10.1		"	10.0		101			75.9-122	
p- & m- Xylenes	20.2		"	20.0		101			77.7-127	
p-Isopropyltoluene	9.34		"	10.0		93.4			75.6-129	
sec-Butylbenzene	9.53		"	10.0		95.3			71.5-125	
Styrene	11.6		"	10.0		116			77.8-123	
tert-Butylbenzene	9.37		"	10.0		93.7			75.9-151	
Tetrachloroethylene	9.57		"	10.0		95.7			63.6-167	
Toluene	9.71		"	10.0		97.1			77-123	
trans-1,2-Dichloroethylene	10.1		"	10.0		101			76.3-139	
trans-1,3-Dichloropropylene	9.47		"	10.0		94.7			72.5-137	
Trichloroethylene	9.60		"	10.0		96.0			77.9-130	
Trichlorofluoromethane	10.0		"	10.0		100			57.4-133	
Vinyl Chloride	8.45		"	10.0		84.5			54.9-124	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>			<i>72.6-129</i>	
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.38</i>		<i>"</i>	<i>10.0</i>		<i>93.8</i>			<i>63.5-145</i>	
<i>Surrogate: Toluene-d8</i>	<i>9.96</i>		<i>"</i>	<i>10.0</i>		<i>99.6</i>			<i>81.2-127</i>	

## Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	
		Limit			Result				RPD	Limit
<b>Batch BB30902 - EPA 5030B</b>										
<b>LCS Dup (BB30902-BSD1)</b>										
							Prepared & Analyzed: 02/27/2013			
1,1,1,2-Tetrachloroethane	9.78		ug/L	10.0	97.8	82.3-130			2.59	21.1
1,1,1-Trichloroethane	10.0		"	10.0	100	75.6-137			2.17	19.7
1,1,2,2-Tetrachloroethane	9.96		"	10.0	99.6	71.3-131			8.59	20.8
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1		"	10.0	111	71.1-129			2.13	21.7
1,1,2-Trichloroethane	9.36		"	10.0	93.6	74.5-129			2.01	20.3
1,1-Dichloroethane	10.2		"	10.0	102	79.6-132			2.62	20.6
1,1-Dichloroethylene	9.78		"	10.0	97.8	80.2-146			3.12	20
1,1-Dichloropropylene	9.53		"	10.0	95.3	75-136			2.79	19.3
1,2,3-Trichlorobenzene	8.67		"	10.0	86.7	66.1-136			2.22	21.6
1,2,3-Trichloropropane	9.15		"	10.0	91.5	63-131			1.63	23.9
1,2,4-Trichlorobenzene	8.92		"	10.0	89.2	70.6-136			2.15	21.7
1,2,4-Trimethylbenzene	9.72		"	10.0	97.2	75.3-135			1.43	18.8
1,2-Dibromo-3-chloropropane	11.5		"	10.0	115	58.9-140			2.06	27.7
1,2-Dibromoethane	9.28		"	10.0	92.8	79-130			1.74	23
1,2-Dichlorobenzene	9.30		"	10.0	93.0	76.1-122			2.17	19.8
1,2-Dichloroethane	9.87		"	10.0	98.7	74.6-132			3.19	20.2
1,2-Dichloropropane	9.67		"	10.0	96.7	76.9-129			0.207	20.7
1,3,5-Trimethylbenzene	9.62		"	10.0	96.2	70.6-127			1.14	18.9
1,3-Dichlorobenzene	9.08		"	10.0	90.8	77-124			1.42	19.2
1,3-Dichloropropane	9.75		"	10.0	97.5	75.8-126			0.103	22.1
1,4-Dichlorobenzene	8.91		"	10.0	89.1	76.6-125			0.671	18.6
2,2-Dichloropropane	8.03		"	10.0	80.3	69-133			1.48	19.8
2-Chlorotoluene	9.03		"	10.0	90.3	66.3-119			0.222	21.6
2-Hexanone	10.6		"	10.0	106	70-130			7.58	30
4-Chlorotoluene	9.51		"	10.0	95.1	69.2-127			0.733	19
Acetone	10.7		"	10.0	107	70-130			1.31	30
Benzene	9.77		"	10.0	97.7	76.2-129			3.52	19
Bromobenzene	9.25		"	10.0	92.5	71.3-123			0.542	20.3
Bromochloromethane	10.0		"	10.0	100	70.8-137			2.21	23.9
Bromodichloromethane	9.87		"	10.0	98.7	79.7-134			4.36	21
Bromoform	9.78		"	10.0	97.8	70.5-141			6.00	21.8
Bromomethane	7.03		"	10.0	70.3	43.9-147			1.72	28.4
Carbon tetrachloride	9.98		"	10.0	99.8	78.1-138			6.50	20.1
Chlorobenzene	9.51		"	10.0	95.1	80.4-125			0.211	19.9
Chloroethane	9.25		"	10.0	92.5	55.8-140			0.216	23.3
Chloroform	10.0		"	10.0	100	76.6-133			4.47	20.3
Chloromethane	7.14		"	10.0	71.4	48.8-115			3.58	24.5
cis-1,2-Dichloroethylene	9.87		"	10.0	98.7	75.1-128			6.38	20.5
cis-1,3-Dichloropropylene	9.41		"	10.0	94.1	74.5-128			0.741	19.9
Dibromochloromethane	9.80		"	10.0	98.0	79.8-134			2.58	21.3
Dibromomethane	9.56		"	10.0	95.6	79-130			0.00	22.4
Dichlorodifluoromethane	4.43		"	10.0	44.3	47.1-101	Low Bias		10.3	23.9
Ethyl Benzene	10.1		"	10.0	101	80.8-128			0.494	19.2
Hexachlorobutadiene	8.17		"	10.0	81.7	64.8-128			5.59	20.6
Isopropylbenzene	9.03		"	10.0	90.3	75.5-135			0.772	20
Methyl tert-butyl ether (MTBE)	8.36		"	10.0	83.6	65.1-140			1.81	23.6
Methylene chloride	11.3		"	10.0	113	61.3-120			0.971	20.4
Naphthalene	9.35		"	10.0	93.5	62.3-148			8.24	27.1
n-Butylbenzene	9.32		"	10.0	93.2	67.2-123			2.65	19.1
n-Propylbenzene	9.02		"	10.0	90.2	70.5-127			3.49	23.4
o-Xylene	9.79		"	10.0	97.9	75.9-122			2.82	19.3
p- & m- Xylenes	19.8		"	20.0	98.9	77.7-127			2.35	18.6
p-Isopropyltoluene	9.15		"	10.0	91.5	75.6-129			2.06	19.1
sec-Butylbenzene	9.29		"	10.0	92.9	71.5-125			2.55	18.9

# YORK

ANALYTICAL LABORATORIES, INC.

## Volatile Organic Compounds by EPA SW846-8260B - 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 BB30902 - EPA 5030B

#### LCS Dup (BB30902-BSD1)

Prepared & Analyzed: 02/27/2013

Styrene	11.5		ug/L	10.0		115	77.8-123		1.30	20.9	
tert-Butylbenzene	9.36		"	10.0		93.6	75.9-151		0.107	20.9	
Tetrachloroethylene	9.45		"	10.0		94.5	63.6-167		1.26	27.7	
Toluene	9.45		"	10.0		94.5	77-123		2.71	18.7	
trans-1,2-Dichloroethylene	9.91		"	10.0		99.1	76.3-139		2.10	19.5	
trans-1,3-Dichloropropylene	9.54		"	10.0		95.4	72.5-137		0.736	19.3	
Trichloroethylene	9.44		"	10.0		94.4	77.9-130		1.68	20.5	
Trichlorofluoromethane	9.77		"	10.0		97.7	57.4-133		2.63	21.4	
Vinyl Chloride	7.88		"	10.0		78.8	54.9-124		6.98	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.75</i>		<i>"</i>	<i>10.0</i>		<i>97.5</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.96</i>		<i>"</i>	<i>10.0</i>		<i>99.6</i>	<i>81.2-127</i>				

## Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13B0674-01	GWQ022013:1030NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13B0674-02	GWQ022013:1040NP1-1-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13B0674-03	GWQ022013:1050NP1-1-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13B0674-04	GWQ022013:1100NP1-1-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

### Notes and Definitions

- QL-02** This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- J** Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
- HT-01** This result was reported from an analysis conducted outside of the EPA recommended holding time.
- 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.
- 
- ND** Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
- RL** REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- MDL** METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
- 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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

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. 13B0674

<b>Client Information</b>		<b>Report to:</b>		<b>Invoice To:</b>		<b>Client Project ID</b>		<b>Turn-Around Time</b>		<b>Report Type/Deliverables</b>	
Company: <u>LBG</u>	<input type="checkbox"/> SAME	Name: <u>Tunde Sandor</u>	<input type="checkbox"/> SAME	Name: <u>Mark Goldberg</u>	<input type="checkbox"/>	<b>Rowe Industries</b>		RUSH Same Day	Summary	x, pdf	
Address: <u>4 Research Drive,</u>		Company: <u>Same</u>		Company: <u>Same</u>		<b>Purchase Order no.</b>		RUSH Next Day	QA/QC Summary	x, pdf	
Phone no.: <u>203-929-8555</u>		Address:		Address:		<b>NABSAG</b>		RUSH Two Day	CT RCP Pkg		
Contact Person <u>Tunde Sandor</u>		E-mail:		E-mail:				RUSH Three Day	ASP A Pkg		
E-mail Addr.: <u>tsandor@lbgct.com</u>		Fax No.:		Fax No.:				RUSH Four Day	ASP B Pkg		
FAX No.: <u>203-926-9140</u>								Standard (5-7 days)	Excel		
						Samples from: CT_NY_NJ		OTHER	EDD	x, Excel	

**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 HINAT

Volatiles	Metals	Misc. Org.	Full Lists	Miscellaneous Parameters	Special Instructions
8260 full list 624 STARS BTX MTBE TCL list CT RCP Arom. Halog. App. IX 8021B list	RCRA8 PP13 TAL CT15 Total Dissolved SRLP or TCLP TCLP list TCLP list TCLP list Chlordane 608 Pest 608 PCB	TPH GRO TPH DRG CT ETHP NY 310-13 TPH 418.1 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Heptane	Pri. Poll. TCL Organics TAL MeCN Full TCLP Full App. IX Part 360/360a Part 360/360b Part 360/360c NYCDEP Score NYSEDEC Score TAGM	Comsivity Reactivity Ignitability Flash Point Sieve Anal. Heteroatoms TOX BTU/lb. Aquatic Tox. F.O.G. pH MSBAS	Color Phenols Cyanide-T Cyanide-A BOD5 BOD28 COD Tot. Phos. Oil & Grease TSS Total Solids TDS TPH-IR

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
<u>6WR022013-1030NP1-1-2</u>	<u>2/20/13 1030</u>	<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B)</u>	<u>2v</u>
<u>6WR022013-1040NP1-1-4</u>	<u>1040</u>	<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B)</u>	<u>2v</u>
<u>6WR022013-1050NP1-1-6</u>	<u>1050</u>	<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B)</u>	<u>2v</u>
<u>6WR022013-1100NP1-1-7</u>	<u>1100</u>	<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B)</u>	<u>2v</u>
		<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B)</u>	
		<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B)</u>	
		<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B)</u>	
		<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B)</u>	

<b>Comments</b>	Cool 4°C	HNO3	H2SO4	NaOH	NONE	FROZEN	Temperature on Receipt
	<u>2/25/13</u>						<u>3.6 °C</u>
	Samples Relinquished By <u>[Signature]</u>	Date/Time <u>2/25/13-1520</u>	Samples Received By <u>[Signature]</u>	Date/Time <u>2/25/13-1520</u>	Samples Relinquished By	Date/Time	Samples Received in LAB by

**APPENDIX III**  
**FEBRUARY 2013 LABORATORY ANALYTICAL REPORTS**  
**FOR AIR SAMPLES**

# YORK

ANALYTICAL LABORATORIES, INC.

## Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 03/04/2013

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 13B0731

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 03/04/2013  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 13B0731

**Leggette Brashears & Graham Shelton Office**  
4 Research Drive, Suite 301  
Shelton CT, 06484  
Attention: Tunde Komuves-Sandor

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 26, 2013 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>
13B0731-01	AQ022513:1130NP4-1	Vapor Extraction	02/25/2013	02/26/2013
13B0731-02	AQ022513:1135NP4-2	Vapor Extraction	02/25/2013	02/26/2013
13B0731-03	AQ022513:1140NP4-3	Vapor Extraction	02/25/2013	02/26/2013

## General Notes for York Project (SDG) No.: 13B0731

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:



Robert Q. Bradley  
Laboratory Director

Date: 03/04/2013

**YORK**

## Sample Information

**Client Sample ID:** AQ022513:1130NP4-1

**York Sample ID:** 13B0731-01

York Project (SDG) No.  
13B0731

Client Project ID  
Rowe Industries

Matrix                      Collection Date/Time  
Vapor Extraction      February 25, 2013 11:30 am

Date Received  
02/26/2013

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.42	0.42	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.57	0.57	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
79-01-6	Trichloroethylene	<b>4.4</b>		ug/m <sup>3</sup>	0.44	0.44	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.74	0.74	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.65	0.65	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
108-88-3	Toluene	ND		ug/m <sup>3</sup>	0.61	0.61	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
109-99-9	Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.48	0.48	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
127-18-4	Tetrachloroethylene	<b>23</b>		ug/m <sup>3</sup>	1.1	1.1	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.69	0.69	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
115-07-01	Propylene	ND		ug/m <sup>3</sup>	0.28	0.28	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
622-96-8	p-Ethyltoluene	ND		ug/m <sup>3</sup>	4.0	4.0	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
1330-20-7P/M	p- & m- Xylenes	ND		ug/m <sup>3</sup>	0.71	0.71	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	0.71	0.71	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
110-54-3	n-Hexane	ND		ug/m <sup>3</sup>	0.58	0.58	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.67	0.67	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
75-09-2	Methylene chloride	<b>1.3</b>		ug/m <sup>3</sup>	0.57	0.57	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.59	0.59	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.67	0.67	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
67-63-0	Isopropanol	ND		ug/m <sup>3</sup>	0.40	0.40	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.7	1.7	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	0.71	0.71	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
141-78-6	Ethyl acetate	ND		ug/m <sup>3</sup>	0.59	0.59	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.56	0.56	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.74	0.74	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
156-59-2	cis-1,2-Dichloroethylene	<b>4.0</b>		ug/m <sup>3</sup>	0.65	0.65	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.34	0.34	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
67-66-3	Chloroform	<b>2.9</b>		ug/m <sup>3</sup>	0.80	0.80	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.43	0.43	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.51	0.51	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
75-15-0	Carbon disulfide	<b>2.0</b>		ug/m <sup>3</sup>	0.51	0.51	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.63	0.63	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.7	1.7	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.0	1.0	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.84	0.84	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD

## Sample Information

**Client Sample ID:** AQ022513:1130NP4-1

**York Sample ID:** 13B0731-01

York Project (SDG) No.  
13B0731

Client Project ID  
Rowe Industries

Matrix      Collection Date/Time  
Vapor Extraction    February 25, 2013 11:30 am

Date Received  
02/26/2013

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/m <sup>3</sup>	0.52	0.52	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
67-64-1	Acetone	8.9		ug/m <sup>3</sup>	0.39	0.39	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
591-78-6	2-Hexanone	ND		ug/m <sup>3</sup>	0.67	0.67	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
78-93-3	2-Butanone	2.2		ug/m <sup>3</sup>	0.48	0.48	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.59	0.59	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.98	0.98	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.98	0.98	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.71	0.71	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.80	0.80	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.1	1.1	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.75	0.75	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.66	0.66	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.98	0.98	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.80	0.80	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.2	1.2	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.65	0.65	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
75-34-3	1,1-Dichloroethane	4.8		ug/m <sup>3</sup>	0.66	0.66	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
75-69-4	Trichlorofluoromethane (Freon 11)	1.5		ug/m <sup>3</sup>	0.92	0.92	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.89	0.89	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.3	1.3	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.1	1.1	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
71-55-6	1,1,1-Trichloroethane	15		ug/m <sup>3</sup>	0.89	0.89	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
75-71-8	Dichlorodifluoromethane	2.3		ug/m <sup>3</sup>	0.81	0.81	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.3	1.3	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.3	1.3	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.67	0.67	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.75	0.75	1.604	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 18:11	TD
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	79.6 %			70-130						

## Sample Information

**Client Sample ID:** AQ022513:1135NP4-2

**York Sample ID:** 13B0731-02

York Project (SDG) No.  
13B0731

Client Project ID  
Rowe Industries

Matrix      Collection Date/Time  
Vapor Extraction    February 25, 2013 11:35 am

Date Received  
02/26/2013

## Sample Information

**Client Sample ID:** AQ022513:1135NP4-2

**York Sample ID:** 13B0731-02

York Project (SDG) No.  
13B0731

Client Project ID  
Rowe Industries

Matrix                      Collection Date/Time  
Vapor Extraction      February 25, 2013 11:35 am

Date Received  
02/26/2013

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.45	0.45	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.62	0.62	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
79-01-6	Trichloroethylene	<b>2.0</b>		ug/m <sup>3</sup>	0.47	0.47	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.80	0.80	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.70	0.70	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
108-88-3	Toluene	<b>2.2</b>		ug/m <sup>3</sup>	0.66	0.66	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
109-99-9	Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.52	0.52	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
127-18-4	Tetrachloroethylene	<b>50</b>		ug/m <sup>3</sup>	1.2	1.2	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.75	0.75	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
115-07-01	Propylene	ND		ug/m <sup>3</sup>	0.30	0.30	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
622-96-8	p-Ethyltoluene	ND		ug/m <sup>3</sup>	4.3	4.3	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
1330-20-7P/M	p- & m- Xylenes	ND		ug/m <sup>3</sup>	0.76	0.76	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	0.76	0.76	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
110-54-3	n-Hexane	<b>70</b>		ug/m <sup>3</sup>	0.62	0.62	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.72	0.72	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
75-09-2	Methylene chloride	<b>8.3</b>		ug/m <sup>3</sup>	0.61	0.61	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.63	0.63	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.72	0.72	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
67-63-0	Isopropanol	ND		ug/m <sup>3</sup>	0.43	0.43	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.9	1.9	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	0.76	0.76	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
141-78-6	Ethyl acetate	ND		ug/m <sup>3</sup>	0.63	0.63	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.61	0.61	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.80	0.80	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.70	0.70	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.36	0.36	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
67-66-3	Chloroform	<b>2.3</b>		ug/m <sup>3</sup>	0.86	0.86	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.46	0.46	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
56-23-5	Carbon tetrachloride	<b>1.0</b>		ug/m <sup>3</sup>	0.55	0.55	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
75-15-0	Carbon disulfide	<b>2.1</b>		ug/m <sup>3</sup>	0.55	0.55	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.68	0.68	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.8	1.8	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.1	1.1	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.91	0.91	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
71-43-2	Benzene	ND		ug/m <sup>3</sup>	0.56	0.56	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD

## Sample Information

**Client Sample ID:** AQ022513:1135NP4-2

**York Sample ID:** 13B0731-02

York Project (SDG) No.  
13B0731

Client Project ID  
Rowe Industries

Matrix      Collection Date/Time  
Vapor Extraction    February 25, 2013 11:35 am

Date Received  
02/26/2013

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	16		ug/m <sup>3</sup>	0.42	0.42	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
591-78-6	2-Hexanone	ND		ug/m <sup>3</sup>	0.72	0.72	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
78-93-3	2-Butanone	3.6		ug/m <sup>3</sup>	0.52	0.52	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.63	0.63	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.76	0.76	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.87	0.87	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.81	0.81	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.71	0.71	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.87	0.87	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.3	1.3	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.70	0.70	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.71	0.71	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
75-69-4	Trichlorofluoromethane (Freon 11)	2.0		ug/m <sup>3</sup>	0.99	0.99	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.96	0.96	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.4	1.4	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
71-55-6	1,1,1-Trichloroethane	9.9		ug/m <sup>3</sup>	0.96	0.96	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
75-71-8	Dichlorodifluoromethane	2.7		ug/m <sup>3</sup>	0.87	0.87	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.4	1.4	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.4	1.4	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.72	0.72	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.81	0.81	1.732	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 19:45	TD
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
460-00-4	Surrogate: p-Bromofluorobenzene	84.0 %	70-130								

## Sample Information

**Client Sample ID:** AQ022513:1140NP4-3

**York Sample ID:** 13B0731-03

York Project (SDG) No.  
13B0731

Client Project ID  
Rowe Industries

Matrix      Collection Date/Time  
Vapor Extraction    February 25, 2013 11:40 am

Date Received  
02/26/2013

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

**Sample Information**

**Client Sample ID:** AQ022513:1140NP4-3

**York Sample ID:** 13B0731-03

York Project (SDG) No.  
13B0731

Client Project ID  
Rowe Industries

Matrix                      Collection Date/Time  
Vapor Extraction      February 25, 2013 11:40 am

Date Received  
02/26/2013

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.43	0.43	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.60	0.60	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.46	0.46	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.77	0.77	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.67	0.67	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
108-88-3	Toluene	ND		ug/m <sup>3</sup>	0.64	0.64	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
109-99-9	Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.50	0.50	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
127-18-4	Tetrachloroethylene	ND		ug/m <sup>3</sup>	1.2	1.2	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.72	0.72	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
115-07-01	Propylene	ND		ug/m <sup>3</sup>	0.29	0.29	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
622-96-8	p-Ethyltoluene	ND		ug/m <sup>3</sup>	4.2	4.2	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
1330-20-7P/M	p- & m- Xylenes	ND		ug/m <sup>3</sup>	0.74	0.74	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	0.74	0.74	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
110-54-3	n-Hexane	ND		ug/m <sup>3</sup>	0.60	0.60	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.70	0.70	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
75-09-2	Methylene chloride	<b>2.6</b>		ug/m <sup>3</sup>	0.59	0.59	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.61	0.61	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.70	0.70	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
67-63-0	Isopropanol	ND		ug/m <sup>3</sup>	0.42	0.42	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.8	1.8	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	0.74	0.74	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
141-78-6	Ethyl acetate	ND		ug/m <sup>3</sup>	0.61	0.61	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.58	0.58	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.77	0.77	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.67	0.67	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.35	0.35	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
67-66-3	Chloroform	<b>3.8</b>		ug/m <sup>3</sup>	0.83	0.83	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.45	0.45	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
56-23-5	Carbon tetrachloride	<b>1.2</b>		ug/m <sup>3</sup>	0.53	0.53	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
75-15-0	Carbon disulfide	<b>2.1</b>		ug/m <sup>3</sup>	0.53	0.53	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.66	0.66	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.8	1.8	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.1	1.1	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.88	0.88	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
71-43-2	Benzene	ND		ug/m <sup>3</sup>	0.54	0.54	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
67-64-1	Acetone	<b>4.9</b>		ug/m <sup>3</sup>	0.40	0.40	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD

## Sample Information

**Client Sample ID:** AQ022513:1140NP4-3

**York Sample ID:** 13B0731-03

York Project (SDG) No.  
13B0731

Client Project ID  
Rowe Industries

Matrix      Collection Date/Time  
Vapor Extraction    February 25, 2013 11:40 am

Date Received  
02/26/2013

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/m <sup>3</sup>	0.70	0.70	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
78-93-3	2-Butanone	ND		ug/m <sup>3</sup>	0.50	0.50	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.61	0.61	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.0	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.0	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.74	0.74	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.83	0.83	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.78	0.78	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.69	0.69	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.0	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.83	0.83	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.3	1.3	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.67	0.67	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
75-34-3	1,1-Dichloroethane	<b>4.2</b>		ug/m <sup>3</sup>	0.69	0.69	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
75-69-4	Trichlorofluoromethane (Freon 11)	<b>2.4</b>		ug/m <sup>3</sup>	0.95	0.95	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.93	0.93	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.3	1.3	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
71-55-6	1,1,1-Trichloroethane	<b>21</b>		ug/m <sup>3</sup>	0.93	0.93	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
75-71-8	Dichlorodifluoromethane	<b>3.3</b>		ug/m <sup>3</sup>	0.84	0.84	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.3	1.3	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.4	1.4	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.69	0.69	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.78	0.78	1.669	EPA Compendium TO-15	02/28/2013 09:00	02/28/2013 20:32	TD
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	85.7 %			70-130						

## Analytical Batch Summary

**Batch ID:** BC30025

**Preparation Method:** EPA TO15 PREP

**Prepared By:** TD

YORK Sample ID	Client Sample ID	Preparation Date
13B0731-01	AQ022513:1130NP4-1	02/28/13
13B0731-02	AQ022513:1135NP4-2	02/28/13
13B0731-03	AQ022513:1140NP4-3	02/28/13
BC30025-BLK1	Blank	02/28/13
BC30025-BS1	LCS	02/28/13
BC30025-DUP1	Duplicate	02/28/13

## Volatile Organic Compounds by EPA Compendium TO14A/TO15 - Quality Control Data

### York Analytical Laboratories, Inc.

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

**Batch BC30025 - EPA TO15 PREP**

**Blank (BC30025-BLK1)**

Prepared & Analyzed: 02/28/2013

Vinyl Chloride	ND	0.26	ug/m <sup>3</sup>								
Vinyl acetate	ND	0.36	"								
Trichloroethylene	ND	0.27	"								
trans-1,3-Dichloropropylene	ND	0.46	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
Toluene	ND	0.38	"								
Tetrahydrofuran	ND	0.30	"								
Tetrachloroethylene	ND	0.69	"								
Styrene	ND	0.43	"								
Propylene	ND	0.18	"								
p-Ethyltoluene	ND	2.5	"								
p- & m- Xylenes	ND	0.44	"								
o-Xylene	ND	0.44	"								
n-Hexane	ND	0.36	"								
n-Heptane	ND	0.42	"								
Methylene chloride	ND	0.35	"								
Methyl tert-butyl ether (MTBE)	ND	0.37	"								
4-Methyl-2-pentanone	ND	0.42	"								
Isopropanol	ND	0.25	"								
Hexachlorobutadiene	ND	1.1	"								
Ethyl Benzene	ND	0.44	"								
Ethyl acetate	ND	0.37	"								
Cyclohexane	ND	0.35	"								
cis-1,3-Dichloropropylene	ND	0.46	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
Chloromethane	ND	0.21	"								
Chloroform	ND	0.50	"								
Chloroethane	ND	0.27	"								
Carbon tetrachloride	ND	0.32	"								
Carbon disulfide	ND	0.32	"								
Bromomethane	ND	0.39	"								
Bromoform	ND	1.1	"								
Bromodichloromethane	ND	0.63	"								
Benzyl chloride	ND	0.53	"								
Benzene	ND	0.32	"								
Acetone	ND	0.24	"								
2-Hexanone	ND	0.42	"								
2-Butanone	ND	0.30	"								
1,4-Dioxane	ND	0.37	"								
1,4-Dichlorobenzene	ND	0.61	"								
1,3-Dichlorobenzene	ND	0.61	"								
1,3-Butadiene	ND	0.44	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,2-Dichlorotetrafluoroethane	ND	0.71	"								
1,2-Dichloropropane	ND	0.47	"								
1,2-Dichloroethane	ND	0.41	"								
1,2-Dichlorobenzene	ND	0.61	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.75	"								
1,1-Dichloroethylene	ND	0.40	"								
1,1-Dichloroethane	ND	0.41	"								
Trichlorofluoromethane (Freon 11)	ND	0.57	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.78	"								

## Volatile Organic Compounds by EPA Compendium TO14A/TO15 - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BC30025 - EPA TO15 PREP</b>											
<b>Blank (BC30025-BLK1)</b>											Prepared & Analyzed: 02/28/2013
1,1,2,2-Tetrachloroethane	ND	0.70	ug/m <sup>3</sup>								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.50	"								
1,2-Dibromoethane	ND	0.78	"								
Dibromochloromethane	ND	0.82	"								
Methyl Methacrylate	ND	0.42	"								
Chlorobenzene	ND	0.47	"								
<i>Surrogate: p-Bromofluorobenzene</i>	8.72		ppbv	10.0		87.2	70-130				
<b>LCS (BC30025-BS1)</b>											Prepared & Analyzed: 02/28/2013
Vinyl Chloride	11.0		ppbv	10.1		109	70-130				
Vinyl acetate	11.4		"	9.70		118	58.1-135				
Trichloroethylene	9.48		"	10.2		92.9	70-130				
trans-1,3-Dichloropropylene	10.4		"	9.90		105	62-135				
trans-1,2-Dichloroethylene	9.01		"	9.50		94.8	58.3-130				
Toluene	11.5		"	10.8		106	64.9-126				
Tetrahydrofuran	12.6		"	10.2		124	44.6-146				
Tetrachloroethylene	9.91		"	10.5		94.4	70-130				
Styrene	11.6		"	10.7		108	66.4-132				
Propylene	14.4		"	11.0		131	62.4-150				
p-Ethyltoluene	11.4		"	10.4		110	73.8-146				
p- & m- Xylenes	20.1		"	21.0		95.8	56.6-136				
o-Xylene	11.2		"	10.8		104	67.8-133				
n-Hexane	11.5		"	10.3		111	59.7-130				
n-Heptane	11.8		"	10.4		113	62.3-134				
Methylene chloride	8.53		"	10.0		85.3	62.6-130				
Methyl tert-butyl ether (MTBE)	11.2		"	10.2		110	60.7-139				
4-Methyl-2-pentanone	10.8		"	10.0		108	64.5-158				
Isopropanol	9.76		"	9.90		98.6	60-150				
Hexachlorobutadiene	10.9		"	11.0		99.3	61.2-150				
Ethyl Benzene	10.3		"	10.7		96.4	68.4-125				
Ethyl acetate	10.6		"	10.0		106	40.6-150				
Cyclohexane	11.5		"	10.2		113	60.4-127				
cis-1,3-Dichloropropylene	10.9		"	10.7		102	65.5-129				
cis-1,2-Dichloroethylene	9.79		"	10.5		93.2	51.3-118				
Chloromethane	10.1		"	10.1		99.9	64.9-130				
Chloroform	8.42		"	10.0		84.2	65.1-130				
Chloroethane	11.4		"	10.1		112	52.1-131				
Carbon tetrachloride	8.11		"	10.1		80.3	70-130				
Carbon disulfide	9.40		"	10.0		94.0	61.8-111				
Bromomethane	10.4		"	10.2		101	60.1-140				
Bromoform	10.4		"	10.5		98.9	58.7-150				
Bromodichloromethane	8.95		"	10.2		87.7	65.3-127				
Benzyl chloride	11.0		"	10.2		108	62.5-150				
Benzene	10.2		"	10.4		98.1	69.5-130				
Acetone	9.31		"	10.0		93.1	55.3-133				
2-Hexanone	12.4		"	10.1		123	52-150				
2-Butanone	11.7		"	10.0		117	28.5-154				
1,4-Dioxane	12.2		"	10.2		120	50-150				
1,4-Dichlorobenzene	11.0		"	10.6		104	62.5-139				
1,3-Dichlorobenzene	10.4		"	10.2		102	71.9-153				
1,3-Butadiene	12.0		"	10.5		114	66.7-127				
1,3,5-Trimethylbenzene	10.6		"	10.6		100	65-152				
1,2-Dichlorotetrafluoroethane	9.73		"	10.1		96.3	63.3-129				

## Volatile Organic Compounds by EPA Compendium TO14A/TO15 - 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 BC30025 - EPA TO15 PREP</b>											
<b>LCS (BC30025-BS1)</b>											
Prepared & Analyzed: 02/28/2013											
1,2-Dichloropropane	10.1		ppbv	10.7		94.8	21.3-152				
1,2-Dichloroethane	8.80		"	10.4		84.6	51.2-124				
1,2-Dichlorobenzene	10.7		"	10.6		101	63.7-148				
1,2,4-Trimethylbenzene	12.1		"	10.7		113	67.9-152				
1,2,4-Trichlorobenzene	12.7		"	11.0		115	58-147				
1,1-Dichloroethylene	9.20		"	9.80		93.9	58.1-130				
1,1-Dichloroethane	9.01		"	10.2		88.3	63.3-130				
Trichlorofluoromethane (Freon 11)	8.47		"	10.5		80.7	56-132				
1,1,2-Trichloroethane	10.2		"	10.7		95.6	66-127				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.39		"	9.70		86.5	60.2-125				
1,1,2,2-Tetrachloroethane	10.3		"	10.8		95.6	63.7-132				
1,1,1-Trichloroethane	8.83		"	10.4		84.9	58.2-126				
Dichlorodifluoromethane	8.77		"	10.0		87.7	62.8-133				
1,2-Dibromoethane	10.5		"	10.6		98.9	70-130				
Dibromochloromethane	10.3		"	10.6		97.4	70-130				
Methyl Methacrylate	9.76		"	10.1		96.6	70-130				
Chlorobenzene	9.44		"	10.8		87.4	67.6-122				
<i>Surrogate: p-Bromofluorobenzene</i>	8.83		"	10.0		88.3	70-130				

<b>Duplicate (BC30025-DUP1)</b>											
*Source sample: 13B0731-01 (AQ022513:1130NP4-1)											
Prepared & Analyzed: 02/28/2013											
Vinyl Chloride	ND	0.42	ug/m <sup>3</sup>		ND						25
Vinyl acetate	ND	0.57	"		ND						25
Trichloroethylene	4.6	0.44	"		4.4				5.83		25
trans-1,3-Dichloropropylene	ND	0.74	"		ND						25
trans-1,2-Dichloroethylene	ND	0.65	"		ND						25
Toluene	ND	0.61	"		ND						25
Tetrahydrofuran	ND	0.48	"		ND						25
Tetrachloroethylene	24	1.1	"		23				6.12		25
Styrene	ND	0.69	"		ND						25
Propylene	ND	0.28	"		ND						25
p-Ethyltoluene	ND	4.0	"		ND						25
p- & m- Xylenes	ND	0.71	"		ND						25
o-Xylene	ND	0.71	"		ND						25
n-Hexane	ND	0.58	"		ND						25
n-Heptane	ND	0.67	"		ND						25
Methylene chloride	1.4	0.57	"		1.3				4.26		25
Methyl tert-butyl ether (MTBE)	ND	0.59	"		ND						25
4-Methyl-2-pentanone	ND	0.67	"		ND						25
Isopropanol	ND	0.40	"		ND						25
Hexachlorobutadiene	ND	1.7	"		ND						25
Ethyl Benzene	ND	0.71	"		ND						25
Ethyl acetate	ND	0.59	"		ND						25
Cyclohexane	ND	0.56	"		ND						25
cis-1,3-Dichloropropylene	ND	0.74	"		ND						25
cis-1,2-Dichloroethylene	4.2	0.65	"		4.0				4.72		25
Chloromethane	ND	0.34	"		ND						25
Chloroform	3.1	0.80	"		2.9				5.26		25
Chloroethane	ND	0.43	"		ND						25
Carbon tetrachloride	ND	0.51	"		ND						25
Carbon disulfide	2.1	0.51	"		2.0				2.47		25
Bromomethane	ND	0.63	"		ND						25
Bromoform	ND	1.7	"		ND						25
Bromodichloromethane	ND	1.0	"		ND						25
Benzyl chloride	ND	0.84	"		ND						25

## Volatile Organic Compounds by EPA Compendium TO14A/TO15 - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BC30025 - EPA TO15 PREP</b>										
<b>Duplicate (BC30025-DUP1)</b>	*Source sample: 13B0731-01 (AQ022513:1130NP4-1)					Prepared & Analyzed: 02/28/2013				
Benzene	ND	0.52	ug/m <sup>3</sup>		ND				25	
Acetone	9.2	0.39	"		8.9			3.00	25	
2-Hexanone	ND	0.67	"		ND				25	
2-Butanone	2.3	0.48	"		2.2			4.35	25	
1,4-Dioxane	ND	0.59	"		ND				25	
1,4-Dichlorobenzene	ND	0.98	"		ND				25	
1,3-Dichlorobenzene	ND	0.98	"		ND				25	
1,3-Butadiene	ND	0.71	"		ND				25	
1,3,5-Trimethylbenzene	ND	0.80	"		ND				25	
1,2-Dichlorotetrafluoroethane	ND	1.1	"		ND				25	
1,2-Dichloropropane	ND	0.75	"		ND				25	
1,2-Dichloroethane	ND	0.66	"		ND				25	
1,2-Dichlorobenzene	ND	0.98	"		ND				25	
1,2,4-Trimethylbenzene	ND	0.80	"		ND				25	
1,2,4-Trichlorobenzene	ND	1.2	"		ND				25	
1,1-Dichloroethylene	ND	0.65	"		ND				25	
1,1-Dichloroethane	5.1	0.66	"		4.8			5.33	25	
Trichlorofluoromethane (Freon 11)	1.6	0.92	"		1.5			11.8	25	
1,1,2-Trichloroethane	ND	0.89	"		ND				25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.3	"		ND				25	
1,1,2,2-Tetrachloroethane	ND	1.1	"		ND				25	
1,1,1-Trichloroethane	16	0.89	"		15			8.75	25	
Dichlorodifluoromethane	2.6	0.81	"		2.3			9.84	25	
1,2-Dibromoethane	ND	1.3	"		ND				25	
Dibromochloromethane	ND	1.3	"		ND				25	
Methyl Methacrylate	ND	0.67	"		ND				25	
Chlorobenzene	ND	0.75	"		ND				25	
<i>Surrogate: p-Bromofluorobenzene</i>	7.80		ppbv	10.0		78.0	70-130			

### Notes and Definitions

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ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

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# 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. 13B0731

<b>YOUR Information</b> Company: <u>LBG</u> Address: <u>4 Research Dr, Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sandor</u> E-Mail Address: <u>TSandor@LBGCT.com</u>		<b>Report To:</b> Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<b>Invoice To:</b> Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<b>YOUR Project ID</b> <u>Rowe Industries</u> Purchase Order No. <u>NABSAG</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/Deliverables</b> Summary Report <input checked="" type="checkbox"/> <u>pdf</u> Summary w/ QA Summary <input checked="" type="checkbox"/> <u>pdf</u> CT RCP Package <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B/CLP Pkg <input checked="" type="checkbox"/> <u>pdf</u> NJDEP Reduced <input type="checkbox"/> Electronic Deliverables: EDD (Specify Type) _____ Standard Excel <input checked="" type="checkbox"/> <u>X</u> Regulatory Comparison Excel _____	
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**Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.**

<b>TO15 Volatiles and Other Gas Analyses</b> EPA TO-14A List Tentatively Identified Compounds		<b>Detection Limits Required</b> ≤ 1 ug/m <sup>3</sup> NYSDEC VI Limits (VI - vapor substances) NJDEP low level Routine Survey Other _____	
<b>TO15 Volatiles and Other Gas Analyses</b> EPA TO-15 List NYSDEC VI list		Air Matrix Codes AI - INDOOR Ambient Air AO - OUTDOOR Amb. Air AE - Vapor Extraction Well/ Process Gas/Effluent AS - SOIL Vapor/Sub-Slab	
NYSDEC STARS List Air VPH		Project Specific List by TO-15 Helium NJDEP Target List Methane CTDEP RCP Target List OTHER _____	

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analytes Needed from the Menu Above and Enter Below	Sampling Media
AR022513 1130 NP4-1	2/25/13 1130	AE	600AS	600AS	EPA TO-15 List	6 Liter Summa canister Tedlar Bag
AR022513 1135 NP4-2	2/25/13 1135	AE	↓	↓	↓	6 Liter Summa canister Tedlar Bag
AR022513 1140 NP4-3	2/25/13 1140	AE	↓	↓	↓	6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag

**Comments**

Samples Relinquished By: [Signature] Date/Time: 2/26/13 10  
 Samples Relinquished By: [Signature] Date/Time: 2/26/13 1300  
 Samples Received By: [Signature] Date/Time: 2/26/13 10  
 Samples Received in LAB by: [Signature] Date/Time: 2/26/13 -1540