

TABLE 2

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

**Effluent Water Quality Results**

Date Sampled <sup>2/</sup>	pH <sup>1/</sup>	TDS (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis-1,2-DCE (ug/l)	trans-1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	5.0 to 8.5	---	5	5	5	5	5	5	5	5	5	5	5	---	10	7	---	---
4-Apr-13	7.3	97	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<2	ND<0.5	0.43	0.105
9-Apr-13	7.0	125	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	1.6 J,B	ND<0.5	ND<2	ND<0.5	0.26	0.085
16-Apr-13	7.1	126	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<2	ND<0.5	14.80	0.029
22-Apr-13	7.0	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	2.4 B	ND<0.5	ND<2	ND<0.5	0.62	0.067
29-Apr-13	6.8	107	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	0.69 J	ND<0.5	ND<2	ND<0.5	2.18	0.040

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

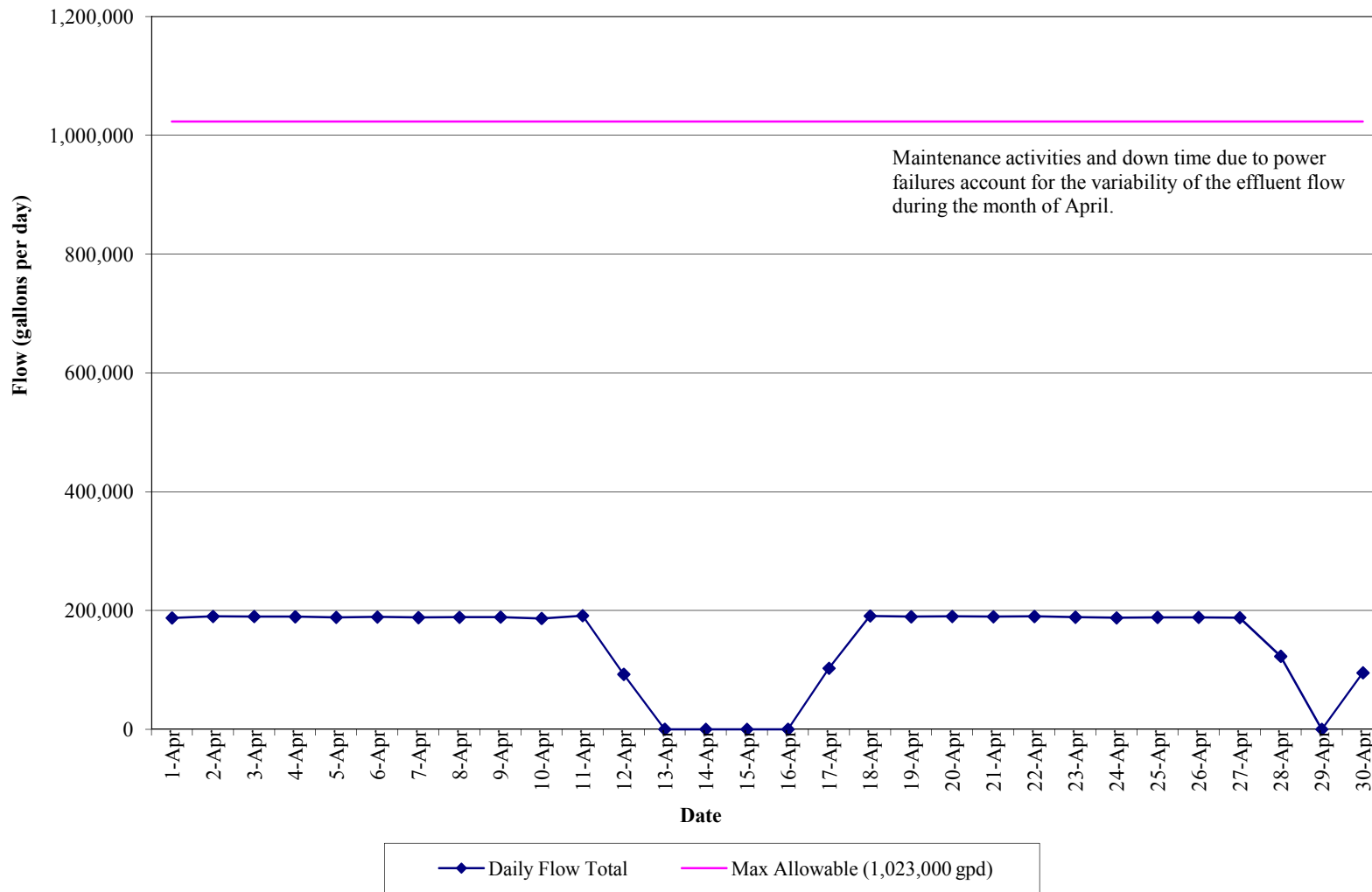
**Notes:**

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  
(April 1, 2013 to April 30, 2013)**



**APPENDIX I**  
**APRIL 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: 04/11/2013

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 13D0238

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 04/11/2013  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 13D0238

**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 April 04, 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>
13D0238-01	WQ040413:11:00NP2-6	Water	04/04/2013	04/04/2013
13D0238-02	WQ040413:11:10NP2-7	Water	04/04/2013	04/04/2013
13D0240-01	WQ040413:11:20NP2-10	Water	04/04/2013	04/04/2013

## General Notes for York Project (SDG) No.: 13D0238

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: 04/11/2013

**YORK**

## Sample Information

**Client Sample ID:** WQ040413:11:00NP2-6

**York Sample ID:** 13D0238-01

York Project (SDG) No.  
13D0238

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 4, 2013 12:00 pm

Date Received  
04/04/2013

**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	04/09/2013 09:15	04/09/2013 22:24	SS
71-55-6	1,1,1-Trichloroethane	<b>0.69</b>		ug/L	0.024	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
75-34-3	1,1-Dichloroethane	<b>0.20</b>	J	ug/L	0.044	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS

## Sample Information

**Client Sample ID:** WQ040413:11:00NP2-6

**York Sample ID:** 13D0238-01

York Project (SDG) No.  
13D0238

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 4, 2013 12:00 pm

Date Received  
04/04/2013

**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	04/09/2013 09:15	04/09/2013 22:24	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
127-18-4	Tetrachloroethylene	0.72		ug/L	0.070	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 22:24	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	117 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	108 %			81.2-127						

## Sample Information

**Client Sample ID:** WQ040413:11:00NP2-6

**York Sample ID:** 13D0238-01

York Project (SDG) No.  
13D0238

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 4, 2013 12:00 pm

Date Received  
04/04/2013

**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	ND		mg/L	0.0100	0.0200	1	EPA SW846-6010B	04/08/2013 16:31	04/08/2013 18:48	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	1.96		mg/L	0.0100	0.0200	1	EPA 200.7	04/08/2013 16:35	04/08/2013 20:48	MW

## Sample Information

**Client Sample ID:** WQ040413:11:10NP2-7

**York Sample ID:** 13D0238-02

York Project (SDG) No.  
13D0238

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 4, 2013 12:00 pm

Date Received  
04/04/2013

**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	04/09/2013 09:15	04/09/2013 23:00	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	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	04/09/2013 09:15	04/09/2013 23:00	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS

## Sample Information

**Client Sample ID:** WQ040413:11:10NP2-7

**York Sample ID:** 13D0238-02

York Project (SDG) No.  
13D0238

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 4, 2013 12:00 pm

Date Received  
04/04/2013

**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	04/09/2013 09:15	04/09/2013 23:00	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS

## Sample Information

**Client Sample ID:** WQ040413:11:10NP2-7

**York Sample ID:** 13D0238-02

York Project (SDG) No.  
13D0238

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 4, 2013 12:00 pm

Date Received  
04/04/2013

**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	04/09/2013 09:15	04/09/2013 23:00	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/09/2013 09:15	04/09/2013 23:00	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	113 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	105 %	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>0.0681</b>		mg/L	0.0100	0.0200	1	EPA SW846-6010B	04/08/2013 16:31	04/08/2013 18:53	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>0.301</b>		mg/L	0.0100	0.0200	1	EPA 200.7	04/08/2013 16:35	04/08/2013 20:53	MW

## Sample Information

**Client Sample ID:** WQ040413:11:20NP2-10

**York Sample ID:** 13D0240-01

York Project (SDG) No.  
13D0240

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 4, 2013 12:00 pm

Date Received  
04/04/2013

**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	04/09/2013 09:16	04/10/2013 14:55	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	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	04/09/2013 09:16	04/10/2013 14:55	SS

## Sample Information

**Client Sample ID:** WQ040413:11:20NP2-10

**York Sample ID:** 13D0240-01

York Project (SDG) No.  
13D0240

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 4, 2013 12:00 pm

Date Received  
04/04/2013

**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	04/09/2013 09:16	04/10/2013 14:55	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS

## Sample Information

**Client Sample ID:** WQ040413:11:20NP2-10

**York Sample ID:** 13D0240-01

York Project (SDG) No.  
13D0240

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 4, 2013 12:00 pm

Date Received  
04/04/2013

**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	04/09/2013 09:16	04/10/2013 14:55	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/09/2013 09:16	04/10/2013 14:55	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	111 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	117 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	110 %			81.2-127						

## Sample Information

**Client Sample ID:** WQ040413:11:20NP2-10

**York Sample ID:** 13D0240-01

York Project (SDG) No.  
13D0240

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 4, 2013 12:00 pm

Date Received  
04/04/2013

**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	0.105		mg/L	0.0100	0.0200	1	EPA SW846-6010B	04/08/2013 16:31	04/08/2013 18:58	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	0.427		mg/L	0.0100	0.0200	1	EPA 200.7	04/08/2013 16:35	04/08/2013 20:57	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	97.0		mg/L	1.00	1.00	1	SM 2540C	04/08/2013 08:04	04/08/2013 08:04	ALD

## Analytical Batch Summary

**Batch ID:** BD30292                      **Preparation Method:** % Solids Prep                      **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13D0240-01	WQ040413:11:20NP2-10	04/08/13
BD30292-BLK1	Blank	04/08/13
BD30292-DUP1	Duplicate	04/08/13

**Batch ID:** BD30392                      **Preparation Method:** EPA 3010A                      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13D0238-01	WQ040413:11:00NP2-6	04/08/13
13D0238-02	WQ040413:11:10NP2-7	04/08/13
13D0240-01	WQ040413:11:20NP2-10	04/08/13
BD30392-BLK1	Blank	04/08/13
BD30392-DUP1	Duplicate	04/08/13
BD30392-MS1	Matrix Spike	04/08/13
BD30392-SRM1	Reference	04/08/13

**Batch ID:** BD30393                      **Preparation Method:** EPA 3010A                      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13D0238-01	WQ040413:11:00NP2-6	04/08/13
13D0238-02	WQ040413:11:10NP2-7	04/08/13
13D0240-01	WQ040413:11:20NP2-10	04/08/13
BD30393-BLK1	Blank	04/08/13
BD30393-DUP1	Duplicate	04/08/13
BD30393-MS1	Matrix Spike	04/08/13
BD30393-SRM1	Reference	04/08/13

**Batch ID:** BD30438                      **Preparation Method:** EPA 5030B                      **Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13D0238-01	WQ040413:11:00NP2-6	04/09/13
13D0238-02	WQ040413:11:10NP2-7	04/09/13
BD30438-BLK1	Blank	04/09/13
BD30438-BS1	LCS	04/09/13
BD30438-BSD1	LCS Dup	04/09/13

**Batch ID:** BD30475                      **Preparation Method:** EPA 5030B                      **Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13D0240-01	WQ040413:11:20NP2-10	04/09/13
BD30475-BLK1	Blank	04/09/13
BD30475-BS1	LCS	04/10/13
BD30475-BSD1	LCS Dup	04/10/13

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

### York Analytical Laboratories, Inc.

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

**Batch BD30438 - EPA 5030B**

**Blank (BD30438-BLK1)**

Prepared & Analyzed: 04/09/2013

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	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 Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD30438 - EPA 5030B**

**Blank (BD30438-BLK1)**

Prepared & Analyzed: 04/09/2013

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*

11.3

"

10.0

113

63.5-145

*Surrogate: Toluene-d8*

10.5

"

10.0

105

81.2-127

**LCS (BD30438-BS1)**

Prepared & Analyzed: 04/09/2013

1,1,1,2-Tetrachloroethane	8.47		ug/L	10.0		84.7	82.3-130		
1,1,1-Trichloroethane	10.8		"	10.0		108	75.6-137		
1,1,2,2-Tetrachloroethane	8.48		"	10.0		84.8	71.3-131		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	71.1-129		
1,1,2-Trichloroethane	9.89		"	10.0		98.9	74.5-129		
1,1-Dichloroethane	10.4		"	10.0		104	79.6-132		
1,1-Dichloroethylene	8.73		"	10.0		87.3	80.2-146		
1,1-Dichloropropylene	9.87		"	10.0		98.7	75-136		
1,2,3-Trichlorobenzene	9.18		"	10.0		91.8	66.1-136		
1,2,3-Trichloropropane	9.78		"	10.0		97.8	63-131		
1,2,4-Trichlorobenzene	8.95		"	10.0		89.5	70.6-136		
1,2,4-Trimethylbenzene	3.80		"	10.0		38.0	75.3-135	Low Bias	
1,2-Dibromo-3-chloropropane	9.21		"	10.0		92.1	58.9-140		
1,2-Dibromoethane	9.02		"	10.0		90.2	79-130		
1,2-Dichlorobenzene	8.43		"	10.0		84.3	76.1-122		
1,2-Dichloroethane	10.8		"	10.0		108	74.6-132		
1,2-Dichloropropane	9.03		"	10.0		90.3	76.9-129		
1,3,5-Trimethylbenzene	5.07		"	10.0		50.7	70.6-127	Low Bias	
1,3-Dichlorobenzene	7.89		"	10.0		78.9	77-124		
1,3-Dichloropropane	9.06		"	10.0		90.6	75.8-126		
1,4-Dichlorobenzene	8.37		"	10.0		83.7	76.6-125		
2,2-Dichloropropane	8.74		"	10.0		87.4	69-133		
2-Chlorotoluene	8.71		"	10.0		87.1	66.3-119		
2-Hexanone	9.63		"	10.0		96.3	70-130		
4-Chlorotoluene	8.37		"	10.0		83.7	69.2-127		
Acetone	9.93		"	10.0		99.3	70-130		
Benzene	10.9		"	10.0		109	76.2-129		
Bromobenzene	8.59		"	10.0		85.9	71.3-123		
Bromochloromethane	10.6		"	10.0		106	70.8-137		
Bromodichloromethane	9.16		"	10.0		91.6	79.7-134		
Bromoform	9.09		"	10.0		90.9	70.5-141		
Bromomethane	10.7		"	10.0		107	43.9-147		
Carbon tetrachloride	10.3		"	10.0		103	78.1-138		
Chlorobenzene	8.95		"	10.0		89.5	80.4-125		
Chloroethane	10.1		"	10.0		101	55.8-140		
Chloroform	10.9		"	10.0		109	76.6-133		
Chloromethane	8.72		"	10.0		87.2	48.8-115		
cis-1,2-Dichloroethylene	11.3		"	10.0		113	75.1-128		
cis-1,3-Dichloropropylene	9.30		"	10.0		93.0	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 BD30438 - EPA 5030B</b>										
<b>LCS (BD30438-BS1)</b>										
Prepared & Analyzed: 04/09/2013										
Dibromochloromethane	8.56		ug/L	10.0		85.6 79.8-134				
Dibromomethane	10.4		"	10.0		104 79-130				
Dichlorodifluoromethane	6.28		"	10.0		62.8 47.1-101				
Ethyl Benzene	9.52		"	10.0		95.2 80.8-128				
Hexachlorobutadiene	8.85		"	10.0		88.5 64.8-128				
Isopropylbenzene	8.57		"	10.0		85.7 75.5-135				
Methyl tert-butyl ether (MTBE)	11.7		"	10.0		117 65.1-140				
Methylene chloride	11.1		"	10.0		111 61.3-120				
Naphthalene	5.05		"	10.0		50.5 62.3-148	Low Bias			
n-Butylbenzene	8.43		"	10.0		84.3 67.2-123				
n-Propylbenzene	8.62		"	10.0		86.2 70.5-127				
o-Xylene	8.29		"	10.0		82.9 75.9-122				
p- & m- Xylenes	16.5		"	20.0		82.6 77.7-127				
p-Isopropyltoluene	7.61		"	10.0		76.1 75.6-129				
sec-Butylbenzene	8.55		"	10.0		85.5 71.5-125				
Styrene	1.45		"	10.0		14.5 77.8-123	Low Bias			
tert-Butylbenzene	8.02		"	10.0		80.2 75.9-151				
Tetrachloroethylene	8.88		"	10.0		88.8 63.6-167				
Toluene	9.24		"	10.0		92.4 77-123				
trans-1,2-Dichloroethylene	9.41		"	10.0		94.1 76.3-139				
trans-1,3-Dichloropropylene	8.64		"	10.0		86.4 72.5-137				
Trichloroethylene	9.19		"	10.0		91.9 77.9-130				
Trichlorofluoromethane	10.5		"	10.0		105 57.4-133				
Vinyl Chloride	7.97		"	10.0		79.7 54.9-124				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.1</i>		<i>"</i>	<i>10.0</i>		<i>111 72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101 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 Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD30438 - EPA 5030B</b>										
<b>LCS Dup (BD30438-BSD1)</b>										
Prepared & Analyzed: 04/09/2013										
1,1,1,2-Tetrachloroethane	8.59		ug/L	10.0		85.9 82.3-130		1.41	21.1	
1,1,1-Trichloroethane	10.2		"	10.0		102 75.6-137		5.33	19.7	
1,1,2,2-Tetrachloroethane	8.96		"	10.0		89.6 71.3-131		5.50	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.76		"	10.0		97.6 71.1-129		3.92	21.7	
1,1,2-Trichloroethane	9.25		"	10.0		92.5 74.5-129		6.69	20.3	
1,1-Dichloroethane	9.77		"	10.0		97.7 79.6-132		5.96	20.6	
1,1-Dichloroethylene	8.59		"	10.0		85.9 80.2-146		1.62	20	
1,1-Dichloropropylene	9.75		"	10.0		97.5 75-136		1.22	19.3	
1,2,3-Trichlorobenzene	9.13		"	10.0		91.3 66.1-136		0.546	21.6	
1,2,3-Trichloropropane	9.40		"	10.0		94.0 63-131		3.96	23.9	
1,2,4-Trichlorobenzene	9.32		"	10.0		93.2 70.6-136		4.05	21.7	
1,2,4-Trimethylbenzene	4.52		"	10.0		45.2 75.3-135	Low Bias	17.3	18.8	
1,2-Dibromo-3-chloropropane	9.59		"	10.0		95.9 58.9-140		4.04	27.7	
1,2-Dibromoethane	8.98		"	10.0		89.8 79-130		0.444	23	
1,2-Dichlorobenzene	8.64		"	10.0		86.4 76.1-122		2.46	19.8	
1,2-Dichloroethane	10.0		"	10.0		100 74.6-132		7.96	20.2	
1,2-Dichloropropane	9.05		"	10.0		90.5 76.9-129		0.221	20.7	
1,3,5-Trimethylbenzene	6.61		"	10.0		66.1 70.6-127	Low Bias	26.4	18.9	Non-dir.
1,3-Dichlorobenzene	8.28		"	10.0		82.8 77-124		4.82	19.2	
1,3-Dichloropropane	8.72		"	10.0		87.2 75.8-126		3.82	22.1	
1,4-Dichlorobenzene	8.49		"	10.0		84.9 76.6-125		1.42	18.6	
2,2-Dichloropropane	8.43		"	10.0		84.3 69-133		3.61	19.8	
2-Chlorotoluene	8.79		"	10.0		87.9 66.3-119		0.914	21.6	
2-Hexanone	9.70		"	10.0		97.0 70-130		0.724	30	
4-Chlorotoluene	8.49		"	10.0		84.9 69.2-127		1.42	19	
Acetone	7.48		"	10.0		74.8 70-130		28.1	30	
Benzene	10.4		"	10.0		104 76.2-129		4.22	19	
Bromobenzene	8.66		"	10.0		86.6 71.3-123		0.812	20.3	
Bromochloromethane	10.3		"	10.0		103 70.8-137		2.59	23.9	
Bromodichloromethane	9.31		"	10.0		93.1 79.7-134		1.62	21	
Bromoform	8.47		"	10.0		84.7 70.5-141		7.06	21.8	
Bromomethane	10.3		"	10.0		103 43.9-147		4.19	28.4	
Carbon tetrachloride	10.1		"	10.0		101 78.1-138		2.65	20.1	
Chlorobenzene	8.84		"	10.0		88.4 80.4-125		1.24	19.9	
Chloroethane	9.66		"	10.0		96.6 55.8-140		4.06	23.3	
Chloroform	10.4		"	10.0		104 76.6-133		4.50	20.3	
Chloromethane	8.31		"	10.0		83.1 48.8-115		4.82	24.5	
cis-1,2-Dichloroethylene	10.8		"	10.0		108 75.1-128		4.63	20.5	
cis-1,3-Dichloropropylene	9.09		"	10.0		90.9 74.5-128		2.28	19.9	
Dibromochloromethane	8.81		"	10.0		88.1 79.8-134		2.88	21.3	
Dibromomethane	10.2		"	10.0		102 79-130		2.33	22.4	
Dichlorodifluoromethane	5.92		"	10.0		59.2 47.1-101		5.90	23.9	
Ethyl Benzene	9.51		"	10.0		95.1 80.8-128		0.105	19.2	
Hexachlorobutadiene	8.73		"	10.0		87.3 64.8-128		1.37	20.6	
Isopropylbenzene	8.77		"	10.0		87.7 75.5-135		2.31	20	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110 65.1-140		6.69	23.6	
Methylene chloride	10.6		"	10.0		106 61.3-120		4.42	20.4	
Naphthalene	5.39		"	10.0		53.9 62.3-148	Low Bias	6.51	27.1	
n-Butylbenzene	8.69		"	10.0		86.9 67.2-123		3.04	19.1	
n-Propylbenzene	8.94		"	10.0		89.4 70.5-127		3.64	23.4	
o-Xylene	8.52		"	10.0		85.2 75.9-122		2.74	19.3	
p- & m- Xylenes	17.2		"	20.0		86.0 77.7-127		3.97	18.6	
p-Isopropyltoluene	7.91		"	10.0		79.1 75.6-129		3.87	19.1	
sec-Butylbenzene	8.95		"	10.0		89.5 71.5-125		4.57	18.9	

## 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

**Batch BD30438 - EPA 5030B**

**LCS Dup (BD30438-BSD1)**

Prepared & Analyzed: 04/09/2013

Styrene	2.83		ug/L	10.0		28.3	77.8-123	Low Bias	64.5	20.9	Non-dir.
tert-Butylbenzene	8.39		"	10.0		83.9	75.9-151		4.51	20.9	
Tetrachloroethylene	8.55		"	10.0		85.5	63.6-167		3.79	27.7	
Toluene	9.24		"	10.0		92.4	77-123		0.00	18.7	
trans-1,2-Dichloroethylene	9.10		"	10.0		91.0	76.3-139		3.35	19.5	
trans-1,3-Dichloropropylene	8.69		"	10.0		86.9	72.5-137		0.577	19.3	
Trichloroethylene	9.26		"	10.0		92.6	77.9-130		0.759	20.5	
Trichlorofluoromethane	10.4		"	10.0		104	57.4-133		1.53	21.4	
Vinyl Chloride	7.88		"	10.0		78.8	54.9-124		1.14	22.3	

*Surrogate: 1,2-Dichloroethane-d4*

11.0

"

10.0

110

72.6-129

*Surrogate: p-Bromofluorobenzene*

10.2

"

10.0

102

63.5-145

*Surrogate: Toluene-d8*

10.3

"

10.0

103

81.2-127

**Batch BD30475 - EPA 5030B**

**Blank (BD30475-BLK1)**

Prepared: 04/09/2013 Analyzed: 04/10/2013

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	1.6	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"

## 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 BD30475 - EPA 5030B**

**Blank (BD30475-BLK1)**

Prepared: 04/09/2013 Analyzed: 04/10/2013

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	6.5	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<hr/>											
Surrogate: 1,2-Dichloroethane-d4	12.6		"	10.0		126	72.6-129				
Surrogate: p-Bromofluorobenzene	11.4		"	10.0		114	63.5-145				
Surrogate: Toluene-d8	11.0		"	10.0		110	81.2-127				

## 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
<b>Batch BD30475 - EPA 5030B</b>											
<b>LCS (BD30475-BS1)</b>										Prepared & Analyzed: 04/10/2013	
1,1,1,2-Tetrachloroethane	8.18		ug/L	10.0		81.8	82.3-130	Low Bias			
1,1,1-Trichloroethane	10.3		"	10.0		103	75.6-137				
1,1,2,2-Tetrachloroethane	8.43		"	10.0		84.3	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.87		"	10.0		98.7	71.1-129				
1,1,2-Trichloroethane	9.15		"	10.0		91.5	74.5-129				
1,1-Dichloroethane	9.95		"	10.0		99.5	79.6-132				
1,1-Dichloroethylene	8.99		"	10.0		89.9	80.2-146				
1,1-Dichloropropylene	9.63		"	10.0		96.3	75-136				
1,2,3-Trichlorobenzene	8.94		"	10.0		89.4	66.1-136				
1,2,3-Trichloropropane	9.53		"	10.0		95.3	63-131				
1,2,4-Trichlorobenzene	9.14		"	10.0		91.4	70.6-136				
1,2,4-Trimethylbenzene	8.74		"	10.0		87.4	75.3-135				
1,2-Dibromo-3-chloropropane	16.6		"	10.0		166	58.9-140	High Bias			
1,2-Dibromoethane	8.82		"	10.0		88.2	79-130				
1,2-Dichlorobenzene	8.58		"	10.0		85.8	76.1-122				
1,2-Dichloroethane	9.54		"	10.0		95.4	74.6-132				
1,2-Dichloropropane	8.89		"	10.0		88.9	76.9-129				
1,3,5-Trimethylbenzene	8.72		"	10.0		87.2	70.6-127				
1,3-Dichlorobenzene	8.27		"	10.0		82.7	77-124				
1,3-Dichloropropane	8.48		"	10.0		84.8	75.8-126				
1,4-Dichlorobenzene	8.48		"	10.0		84.8	76.6-125				
2,2-Dichloropropane	9.84		"	10.0		98.4	69-133				
2-Chlorotoluene	9.29		"	10.0		92.9	66.3-119				
2-Hexanone	8.27		"	10.0		82.7	70-130				
4-Chlorotoluene	9.54		"	10.0		95.4	69.2-127				
Acetone	6.69		"	10.0		66.9	70-130	Low Bias			
Benzene	10.3		"	10.0		103	76.2-129				
Bromobenzene	8.82		"	10.0		88.2	71.3-123				
Bromochloromethane	9.52		"	10.0		95.2	70.8-137				
Bromodichloromethane	9.14		"	10.0		91.4	79.7-134				
Bromoform	8.64		"	10.0		86.4	70.5-141				
Bromomethane	10.6		"	10.0		106	43.9-147				
Carbon tetrachloride	10.0		"	10.0		100	78.1-138				
Chlorobenzene	8.82		"	10.0		88.2	80.4-125				
Chloroethane	9.59		"	10.0		95.9	55.8-140				
Chloroform	10.3		"	10.0		103	76.6-133				
Chloromethane	7.99		"	10.0		79.9	48.8-115				
cis-1,2-Dichloroethylene	10.0		"	10.0		100	75.1-128				
cis-1,3-Dichloropropylene	9.03		"	10.0		90.3	74.5-128				
Dibromochloromethane	8.64		"	10.0		86.4	79.8-134				
Dibromomethane	9.70		"	10.0		97.0	79-130				
Dichlorodifluoromethane	5.42		"	10.0		54.2	47.1-101				
Ethyl Benzene	9.76		"	10.0		97.6	80.8-128				
Hexachlorobutadiene	9.04		"	10.0		90.4	64.8-128				
Isopropylbenzene	9.15		"	10.0		91.5	75.5-135				
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	65.1-140				
Methylene chloride	15.7		"	10.0		157	61.3-120	High Bias			
Naphthalene	7.19		"	10.0		71.9	62.3-148				
n-Butylbenzene	9.52		"	10.0		95.2	67.2-123				
n-Propylbenzene	9.34		"	10.0		93.4	70.5-127				
o-Xylene	9.35		"	10.0		93.5	75.9-122				
p- & m- Xylenes	19.6		"	20.0		98.2	77.7-127				
p-Isopropyltoluene	9.04		"	10.0		90.4	75.6-129				
sec-Butylbenzene	9.25		"	10.0		92.5	71.5-125				

## 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 BD30475 - EPA 5030B</b>										
Prepared & Analyzed: 04/10/2013										
<b>LCS (BD30475-BS1)</b>										
Styrene	8.94		ug/L	10.0		89.4				
tert-Butylbenzene	8.68		"	10.0		86.8				
Tetrachloroethylene	8.76		"	10.0		87.6				
Toluene	9.26		"	10.0		92.6				
trans-1,2-Dichloroethylene	9.48		"	10.0		94.8				
trans-1,3-Dichloropropylene	9.02		"	10.0		90.2				
Trichloroethylene	9.40		"	10.0		94.0				
Trichlorofluoromethane	10.4		"	10.0		104				
Vinyl Chloride	8.27		"	10.0		82.7				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.4</i>		<i>"</i>	<i>10.0</i>		<i>114</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>				
Prepared & Analyzed: 04/10/2013										
<b>LCS Dup (BD30475-BSD1)</b>										
1,1,1,2-Tetrachloroethane	8.95		ug/L	10.0		89.5		82.3-130	8.99	21.1
1,1,1-Trichloroethane	11.0		"	10.0		110		75.6-137	6.11	19.7
1,1,2,2-Tetrachloroethane	9.26		"	10.0		92.6		71.3-131	9.38	20.8
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105		71.1-129	6.19	21.7
1,1,2-Trichloroethane	9.88		"	10.0		98.8		74.5-129	7.67	20.3
1,1-Dichloroethane	10.7		"	10.0		107		79.6-132	7.08	20.6
1,1-Dichloroethylene	9.79		"	10.0		97.9		80.2-146	8.52	20
1,1-Dichloropropylene	10.8		"	10.0		108		75-136	11.2	19.3
1,2,3-Trichlorobenzene	9.37		"	10.0		93.7		66.1-136	4.70	21.6
1,2,3-Trichloropropane	9.53		"	10.0		95.3		63-131	0.00	23.9
1,2,4-Trichlorobenzene	9.13		"	10.0		91.3		70.6-136	0.109	21.7
1,2,4-Trimethylbenzene	9.05		"	10.0		90.5		75.3-135	3.49	18.8
1,2-Dibromo-3-chloropropane	18.1		"	10.0		181		58.9-140	High Bias 8.12	27.7
1,2-Dibromoethane	8.72		"	10.0		87.2		79-130	1.14	23
1,2-Dichlorobenzene	8.92		"	10.0		89.2		76.1-122	3.89	19.8
1,2-Dichloroethane	10.4		"	10.0		104		74.6-132	8.24	20.2
1,2-Dichloropropane	9.09		"	10.0		90.9		76.9-129	2.22	20.7
1,3,5-Trimethylbenzene	9.48		"	10.0		94.8		70.6-127	8.35	18.9
1,3-Dichlorobenzene	8.68		"	10.0		86.8		77-124	4.84	19.2
1,3-Dichloropropane	8.91		"	10.0		89.1		75.8-126	4.95	22.1
1,4-Dichlorobenzene	8.57		"	10.0		85.7		76.6-125	1.06	18.6
2,2-Dichloropropane	10.3		"	10.0		103		69-133	4.47	19.8
2-Chlorotoluene	9.35		"	10.0		93.5		66.3-119	0.644	21.6
2-Hexanone	8.48		"	10.0		84.8		70-130	2.51	30
4-Chlorotoluene	9.78		"	10.0		97.8		69.2-127	2.48	19
Acetone	6.82		"	10.0		68.2		70-130	Low Bias 1.92	30
Benzene	11.1		"	10.0		111		76.2-129	7.84	19
Bromobenzene	9.33		"	10.0		93.3		71.3-123	5.62	20.3
Bromochloromethane	10.6		"	10.0		106		70.8-137	10.3	23.9
Bromodichloromethane	9.66		"	10.0		96.6		79.7-134	5.53	21
Bromoform	9.05		"	10.0		90.5		70.5-141	4.64	21.8
Bromomethane	11.5		"	10.0		115		43.9-147	8.06	28.4
Carbon tetrachloride	10.7		"	10.0		107		78.1-138	6.84	20.1
Chlorobenzene	9.29		"	10.0		92.9		80.4-125	5.19	19.9
Chloroethane	10.2		"	10.0		102		55.8-140	5.67	23.3
Chloroform	11.5		"	10.0		115		76.6-133	10.4	20.3
Chloromethane	8.03		"	10.0		80.3		48.8-115	0.499	24.5
cis-1,2-Dichloroethylene	11.0		"	10.0		110		75.1-128	9.32	20.5
cis-1,3-Dichloropropylene	9.78		"	10.0		97.8		74.5-128	7.97	19.9
Dibromochloromethane	9.00		"	10.0		90.0		79.8-134	4.08	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 BD30475 - EPA 5030B</b>										
<b>LCS Dup (BD30475-BSD1)</b>										
										Prepared & Analyzed: 04/10/2013
Dibromomethane	10.2		ug/L	10.0		102 79-130		4.93	22.4	
Dichlorodifluoromethane	5.26		"	10.0		52.6 47.1-101		3.00	23.9	
Ethyl Benzene	10.1		"	10.0		101 80.8-128		3.03	19.2	
Hexachlorobutadiene	9.29		"	10.0		92.9 64.8-128		2.73	20.6	
Isopropylbenzene	9.56		"	10.0		95.6 75.5-135		4.38	20	
Methyl tert-butyl ether (MTBE)	11.1		"	10.0		111 65.1-140		8.62	23.6	
Methylene chloride	16.8		"	10.0		168 61.3-120	High Bias	6.96	20.4	
Naphthalene	7.40		"	10.0		74.0 62.3-148		2.88	27.1	
n-Butylbenzene	9.62		"	10.0		96.2 67.2-123		1.04	19.1	
n-Propylbenzene	9.80		"	10.0		98.0 70.5-127		4.81	23.4	
o-Xylene	9.48		"	10.0		94.8 75.9-122		1.38	19.3	
p- & m- Xylenes	20.3		"	20.0		102 77.7-127		3.45	18.6	
p-Isopropyltoluene	9.34		"	10.0		93.4 75.6-129		3.26	19.1	
sec-Butylbenzene	9.83		"	10.0		98.3 71.5-125		6.08	18.9	
Styrene	9.04		"	10.0		90.4 77.8-123		1.11	20.9	
tert-Butylbenzene	9.26		"	10.0		92.6 75.9-151		6.47	20.9	
Tetrachloroethylene	9.05		"	10.0		90.5 63.6-167		3.26	27.7	
Toluene	9.69		"	10.0		96.9 77-123		4.54	18.7	
trans-1,2-Dichloroethylene	9.99		"	10.0		99.9 76.3-139		5.24	19.5	
trans-1,3-Dichloropropylene	9.30		"	10.0		93.0 72.5-137		3.06	19.3	
Trichloroethylene	9.41		"	10.0		94.1 77.9-130		0.106	20.5	
Trichlorofluoromethane	10.9		"	10.0		109 57.4-133		5.07	21.4	
Vinyl Chloride	8.34		"	10.0		83.4 54.9-124		0.843	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.3</i>		<i>"</i>	<i>10.0</i>		<i>113 72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100 63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105 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 BD30392 - EPA 3010A</b>											
<b>Blank (BD30392-BLK1)</b>							Prepared & Analyzed: 04/08/2013				
Iron - Dissolved	ND	0.0200	mg/L								
<b>Duplicate (BD30392-DUP1)</b>							Prepared & Analyzed: 04/08/2013				
*Source sample: 13D0240-01 (WQ040413:11:20NP2-10)											
Iron - Dissolved	0.0913	0.0200	mg/L		0.105				14.1	20	
<b>Matrix Spike (BD30392-MS1)</b>							Prepared & Analyzed: 04/08/2013				
*Source sample: 13D0240-01 (WQ040413:11:20NP2-10)											
Iron - Dissolved	1.17	0.0200	mg/L	1.00	0.105	106	75-125				
<b>Reference (BD30392-SRM1)</b>							Prepared & Analyzed: 04/08/2013				
Iron - Dissolved	0.483	0.0200	mg/L	0.462		105	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 BD30393 - EPA 3010A</b>											
<b>Blank (BD30393-BLK1)</b>											
								Prepared & Analyzed: 04/08/2013			
Iron	ND	0.0200	mg/L								
<b>Duplicate (BD30393-DUP1)</b>											
								Prepared & Analyzed: 04/08/2013			
Iron	0.413	0.0200	mg/L		0.427				3.38	20	
<b>Matrix Spike (BD30393-MS1)</b>											
								Prepared & Analyzed: 04/08/2013			
Iron	1.45	0.0200	mg/L	1.00	0.427	102	75-125				
<b>Reference (BD30393-SRM1)</b>											
								Prepared & Analyzed: 04/08/2013			
Iron	0.469	0.0200	mg/L	0.462		102	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	RPD Limit	Flag
<b>Batch BD30292 - % Solids Prep</b>										
<b>Blank (BD30292-BLK1)</b>							Prepared & Analyzed: 04/08/2013			
Total Dissolved Solids	ND	1.00	mg/L							
<b>Duplicate (BD30292-DUP1)</b>							Prepared & Analyzed: 04/08/2013			
*Source sample: 13D0240-01 (WQ040413:11:20NP2-10)										
Total Dissolved Solids	106	1.00	mg/L		97.0			8.87	15	

## Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13D0238-01	WQ040413:11:00NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0238-02	WQ040413:11:10NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0240-01	WQ040413:11:20NP2-10	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.
- 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. 13D0240

<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>NABSA6.</u>		<b>Turn-Around Time</b> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		<b>Report Type</b> Summary Report <input checked="" type="checkbox"/> <u>X, pdf</u> Summary w/ QA summary <input checked="" type="checkbox"/> <u>X, pdf</u> CT RCP Package _____ CTRCP DQADUE Pkg _____ NY ASP A Package _____ NY ASP B Package <u>NE2 10 only, pdf.</u> NUDEP Red. Deliv. _____ Electronic Data Deliverables (EDD) _____ Simple Excel _____ <u>X</u> NYSDEC EQUIS _____ EQUIS (std) _____ EZ-EDD (EQUIS) _____ NUDEP SRP HazSite EDD _____ GIS/KEY (std) _____ Other _____ York Regulatory Comparison _____ Excel Spreadsheet _____ Compare to the following Regs. (please fill in): _____	
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**Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.**

Matrix Codes	Volatiles	Semit-Vols. / Pesticides	Metals	Misc. Org.	Full Lists	Misc.
S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor	8260 full 624 STARS list BTX MTBE TCL list TAGM list CT RCP list Acrom. only Halog. only App. IX list 8021B list	8270 or 625 STARS list BN Only Acetis Only PAH list TAGM list CT RCP list TCL list NUDEP list App. IX SPL or TCLP 8021B list	RCRA8 PP13 list TAL CT15 list TAGM list NUDEP list Total Dissolved SPL or TCLP Inorg. Metals LIST Below	TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 AF STARS AK VPH As TICs Methane Helium	PH Poll. TCL Organics TAL MetCN Full TCLP Full App IX Pat 360 Routine Pat 360 Routine Pat 360 Special Pat 360 Special NYDEP Sewer NYDEP Sewer NYDEP Sewer TAGM Silica	Comoxity Reactivity Ignitability Flash Point Sieve Anal. Heteroatoms TOX BTU/b. Aquatic Tox 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
WQ040413:11:00NP2-6	4-4-13	GW	Fe by EPA 800.7/Fc, Dissolved by EPA 6010 (SW 846-6010B) / VOCs, P260 List (EPA SW 845-8260B) plus freeon 113	240ml vga, 2.250ml unpreserved, 1250ml #N03	3.4 °C
WQ040413:11:10NP2-7	4-4-13	GW	Fe by EPA 800.7/Fc, Dissolved by EPA 6010 (SW 846-6010B) / VOCs, P260 List (EPA SW 845-8260B) plus freeon 113	240ml vga, 2.250ml unpreserved, 1250ml #N03	3.4 °C
WQ040413:11:20NP2-10	4-4-13	GW	Fe by EPA 800.7/Fc, Dissolved by EPA 6010 (SW 846-6010B) / VOCs, P260 List (EPA SW 845-8260B) plus freeon 113	240ml vga, 2.250ml unpreserved, 1250ml #N03	3.4 °C
Preservation: <input type="checkbox"/> 4°C <input type="checkbox"/> Frozen <input type="checkbox"/> HCl <input type="checkbox"/> MeOH <input type="checkbox"/> H <sub>2</sub> O <input type="checkbox"/> NaOH Check those Applicable: <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other Special Instructions: <input type="checkbox"/> Field Filtered <input type="checkbox"/> Lab to Filter Samples Relinquished By: <u>[Signature]</u> Date/Time: <u>4/4/13 1621</u> Samples Received By: <u>Free</u> Date/Time: <u>4-4-13 1622</u> Samples Relinquished By: _____ Date/Time: _____ Samples Received in LAB by: _____ Date/Time: _____					

# 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: 04/17/2013

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 13D0447

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 04/17/2013  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 13D0447

**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 April 11, 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>
13D0447-01	WQ040913:1400 NP2-6	Water	04/09/2013	04/11/2013
13D0447-02	WQ040913:1410 NP2-7	Water	04/09/2013	04/11/2013
13D0448-01	WQ040913:1420 NP2-10	Water	04/09/2013	04/11/2013

## General Notes for York Project (SDG) No.: 13D0447

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: 04/17/2013

**YORK**

## Sample Information

**Client Sample ID:** WQ040913:1400 NP2-6

**York Sample ID:** 13D0447-01

York Project (SDG) No.  
13D0447

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 9, 2013 2:00 pm

Date Received  
04/11/2013

**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	04/15/2013 11:38	04/15/2013 23:07	SS
71-55-6	1,1,1-Trichloroethane	0.55		ug/L	0.024	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS

## Sample Information

**Client Sample ID:** WQ040913:1400 NP2-6

**York Sample ID:** 13D0447-01

York Project (SDG) No.  
13D0447

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 9, 2013 2:00 pm

Date Received  
04/11/2013

**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	04/15/2013 11:38	04/15/2013 23:07	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
75-09-2	Methylene chloride	1.6	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
127-18-4	Tetrachloroethylene	0.76		ug/L	0.070	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:07	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	113 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	102 %			81.2-127						

## Sample Information

**Client Sample ID:** WQ040913:1400 NP2-6

**York Sample ID:** 13D0447-01

York Project (SDG) No.  
13D0447

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 9, 2013 2:00 pm

Date Received  
04/11/2013

**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	ND		mg/L	0.0100	0.0200	1	EPA SW846-6010B	04/15/2013 16:11	04/15/2013 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	1.10	B	mg/L	0.0100	0.0200	1	EPA 200.7	04/15/2013 16:16	04/15/2013 19:33	MW

## Sample Information

**Client Sample ID:** WQ040913:1410 NP2-7

**York Sample ID:** 13D0447-02

York Project (SDG) No.  
13D0447

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 9, 2013 2:10 pm

Date Received  
04/11/2013

**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	04/15/2013 11:38	04/15/2013 23:43	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	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	04/15/2013 11:38	04/15/2013 23:43	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS

## Sample Information

**Client Sample ID:** WQ040913:1410 NP2-7

**York Sample ID:** 13D0447-02

York Project (SDG) No.  
13D0447

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 9, 2013 2:10 pm

Date Received  
04/11/2013

**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	04/15/2013 11:38	04/15/2013 23:43	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
75-09-2	Methylene chloride	1.1	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS

## Sample Information

**Client Sample ID:** WQ040913:1410 NP2-7

**York Sample ID:** 13D0447-02

York Project (SDG) No.  
13D0447

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 9, 2013 2:10 pm

Date Received  
04/11/2013

**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	04/15/2013 11:38	04/15/2013 23:43	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/15/2013 11:38	04/15/2013 23:43	SS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	72.6-129
460-00-4	Surrogate: p-Bromofluorobenzene	120 %	63.5-145
2037-26-5	Surrogate: Toluene-d8	99.1 %	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	0.0443		mg/L	0.0100	0.0200	1	EPA SW846-6010B	04/15/2013 16:11	04/15/2013 18:16	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	0.214	B	mg/L	0.0100	0.0200	1	EPA 200.7	04/15/2013 16:16	04/15/2013 19:38	MW

## Sample Information

**Client Sample ID:** WQ040913:1420 NP2-10

**York Sample ID:** 13D0448-01

York Project (SDG) No.  
13D0448

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 9, 2013 2:20 pm

Date Received  
04/11/2013

**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	04/15/2013 11:38	04/16/2013 12:03	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	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	04/15/2013 11:38	04/16/2013 12:03	SS

## Sample Information

**Client Sample ID:** WQ040913:1420 NP2-10

**York Sample ID:** 13D0448-01

York Project (SDG) No.  
13D0448

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 9, 2013 2:20 pm

Date Received  
04/11/2013

**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	04/15/2013 11:38	04/16/2013 12:03	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS

## Sample Information

**Client Sample ID:** WQ040913:1420 NP2-10

**York Sample ID:** 13D0448-01

York Project (SDG) No.  
13D0448

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 9, 2013 2:20 pm

Date Received  
04/11/2013

**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	04/15/2013 11:38	04/16/2013 12:03	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
75-09-2	Methylene chloride	1.6	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/15/2013 11:38	04/16/2013 12:03	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.1 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	126 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	99.8 %	81.2-127								

## Sample Information

**Client Sample ID:** WQ040913:1420 NP2-10

**York Sample ID:** 13D0448-01

York Project (SDG) No.  
13D0448

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 9, 2013 2:20 pm

Date Received  
04/11/2013

**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	0.0848		mg/L	0.0100	0.0200	1	EPA SW846-6010B	04/15/2013 16:11	04/15/2013 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	0.257	B	mg/L	0.0100	0.0200	1	EPA 200.7	04/15/2013 16:16	04/15/2013 19:43	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	124		mg/L	1.00	1.00	1	SM 2540C	04/16/2013 08:46	04/16/2013 08:46	ALD

## Analytical Batch Summary

**Batch ID:** BD30699                      **Preparation Method:** % Solids Prep                      **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13D0448-01	WQ040913:1420 NP2-10	04/16/13
BD30699-BLK1	Blank	04/16/13
BD30699-DUP1	Duplicate	04/16/13

**Batch ID:** BD30714                      **Preparation Method:** EPA 5030B                      **Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13D0447-01	WQ040913:1400 NP2-6	04/15/13
13D0447-02	WQ040913:1410 NP2-7	04/15/13
BD30714-BLK1	Blank	04/15/13
BD30714-BS1	LCS	04/15/13
BD30714-BSD1	LCS Dup	04/15/13

**Batch ID:** BD30715                      **Preparation Method:** EPA 3010A                      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13D0447-01	WQ040913:1400 NP2-6	04/15/13
13D0447-02	WQ040913:1410 NP2-7	04/15/13
13D0448-01	WQ040913:1420 NP2-10	04/15/13
BD30715-BLK1	Blank	04/15/13
BD30715-DUP1	Duplicate	04/15/13
BD30715-MS1	Matrix Spike	04/15/13
BD30715-SRM1	Reference	04/15/13

**Batch ID:** BD30717                      **Preparation Method:** EPA 3010A                      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13D0447-01	WQ040913:1400 NP2-6	04/15/13
13D0447-02	WQ040913:1410 NP2-7	04/15/13
13D0448-01	WQ040913:1420 NP2-10	04/15/13
BD30717-BLK1	Blank	04/15/13
BD30717-DUP1	Duplicate	04/15/13
BD30717-MS1	Matrix Spike	04/15/13
BD30717-SRM1	Reference	04/15/13

**Batch ID:** BD30753                      **Preparation Method:** EPA 5030B                      **Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13D0448-01	WQ040913:1420 NP2-10	04/15/13
BD30753-BLK1	Blank	04/16/13
BD30753-BS1	LCS	04/16/13
BD30753-BSD1	LCS Dup	04/16/13

## 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 BD30714 - EPA 5030B**

**Blank (BD30714-BLK1)**

Prepared & Analyzed: 04/15/2013

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	3.9	2.0	"								
Naphthalene	0.89	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	Flag	RPD	RPD Limit	Flag
<b>Batch BD30714 - EPA 5030B</b>										
<b>Blank (BD30714-BLK1)</b>										
Prepared & Analyzed: 04/15/2013										
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>	9.99		"	10.0		99.9		72.6-129		
<i>Surrogate: p-Bromofluorobenzene</i>	11.5		"	10.0		115		63.5-145		
<i>Surrogate: Toluene-d8</i>	10.2		"	10.0		102		81.2-127		
<b>LCS (BD30714-BS1)</b>										
Prepared & Analyzed: 04/15/2013										
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107		82.3-130		
1,1,1-Trichloroethane	9.28		"	10.0		92.8		75.6-137		
1,1,2,2-Tetrachloroethane	11.2		"	10.0		112		71.3-131		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.76		"	10.0		77.6		71.1-129		
1,1,2-Trichloroethane	9.76		"	10.0		97.6		74.5-129		
1,1-Dichloroethane	9.39		"	10.0		93.9		79.6-132		
1,1-Dichloroethylene	7.46		"	10.0		74.6		80.2-146	Low Bias	
1,1-Dichloropropylene	9.06		"	10.0		90.6		75-136		
1,2,3-Trichlorobenzene	11.9		"	10.0		119		66.1-136		
1,2,3-Trichloropropane	12.5		"	10.0		125		63-131		
1,2,4-Trichlorobenzene	10.3		"	10.0		103		70.6-136		
1,2,4-Trimethylbenzene	9.21		"	10.0		92.1		75.3-135		
1,2-Dibromo-3-chloropropane	15.9		"	10.0		159		58.9-140	High Bias	
1,2-Dibromoethane	10.0		"	10.0		100		79-130		
1,2-Dichlorobenzene	9.66		"	10.0		96.6		76.1-122		
1,2-Dichloroethane	9.75		"	10.0		97.5		74.6-132		
1,2-Dichloropropane	9.40		"	10.0		94.0		76.9-129		
1,3,5-Trimethylbenzene	9.64		"	10.0		96.4		70.6-127		
1,3-Dichlorobenzene	9.98		"	10.0		99.8		77-124		
1,3-Dichloropropane	9.64		"	10.0		96.4		75.8-126		
1,4-Dichlorobenzene	10.0		"	10.0		100		76.6-125		
2,2-Dichloropropane	8.30		"	10.0		83.0		69-133		
2-Chlorotoluene	9.29		"	10.0		92.9		66.3-119		
2-Hexanone	10.2		"	10.0		102		70-130		
4-Chlorotoluene	9.52		"	10.0		95.2		69.2-127		
Acetone	9.27		"	10.0		92.7		70-130		
Benzene	9.43		"	10.0		94.3		76.2-129		
Bromobenzene	9.86		"	10.0		98.6		71.3-123		
Bromochloromethane	9.36		"	10.0		93.6		70.8-137		
Bromodichloromethane	10.0		"	10.0		100		79.7-134		
Bromoform	10.6		"	10.0		106		70.5-141		
Bromomethane	8.36		"	10.0		83.6		43.9-147		
Carbon tetrachloride	9.15		"	10.0		91.5		78.1-138		
Chlorobenzene	9.83		"	10.0		98.3		80.4-125		
Chloroethane	7.94		"	10.0		79.4		55.8-140		
Chloroform	9.86		"	10.0		98.6		76.6-133		
Chloromethane	6.60		"	10.0		66.0		48.8-115		
cis-1,2-Dichloroethylene	9.40		"	10.0		94.0		75.1-128		
cis-1,3-Dichloropropylene	10.1		"	10.0		101		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 BD30714 - EPA 5030B</b>										
<b>LCS (BD30714-BS1)</b>										
Prepared & Analyzed: 04/15/2013										
Dibromochloromethane	10.4		ug/L	10.0		104	79.8-134			
Dibromomethane	9.70		"	10.0		97.0	79-130			
Dichlorodifluoromethane	3.18		"	10.0		31.8	47.1-101	Low Bias		
Ethyl Benzene	9.53		"	10.0		95.3	80.8-128			
Hexachlorobutadiene	10.7		"	10.0		107	64.8-128			
Isopropylbenzene	9.54		"	10.0		95.4	75.5-135			
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	65.1-140			
Methylene chloride	10.2		"	10.0		102	61.3-120			
Naphthalene	11.4		"	10.0		114	62.3-148			
n-Butylbenzene	9.42		"	10.0		94.2	67.2-123			
n-Propylbenzene	9.53		"	10.0		95.3	70.5-127			
o-Xylene	9.14		"	10.0		91.4	75.9-122			
p- & m- Xylenes	18.9		"	20.0		94.6	77.7-127			
p-Isopropyltoluene	9.83		"	10.0		98.3	75.6-129			
sec-Butylbenzene	9.66		"	10.0		96.6	71.5-125			
Styrene	10.1		"	10.0		101	77.8-123			
tert-Butylbenzene	9.09		"	10.0		90.9	75.9-151			
Tetrachloroethylene	9.54		"	10.0		95.4	63.6-167			
Toluene	9.20		"	10.0		92.0	77-123			
trans-1,2-Dichloroethylene	8.11		"	10.0		81.1	76.3-139			
trans-1,3-Dichloropropylene	10.2		"	10.0		102	72.5-137			
Trichloroethylene	9.12		"	10.0		91.2	77.9-130			
Trichlorofluoromethane	8.25		"	10.0		82.5	57.4-133			
Vinyl Chloride	6.67		"	10.0		66.7	54.9-124			
<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>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</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>			

## 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 BD30714 - EPA 5030B</b>										
<b>LCS Dup (BD30714-BSD1)</b>										
										Prepared & Analyzed: 04/15/2013
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82.3-130	1.31	21.1	
1,1,1-Trichloroethane	9.48		"	10.0		94.8	75.6-137	2.13	19.7	
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	71.3-131	1.68	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.98		"	10.0		79.8	71.1-129	2.80	21.7	
1,1,2-Trichloroethane	9.76		"	10.0		97.6	74.5-129	0.00	20.3	
1,1-Dichloroethane	9.53		"	10.0		95.3	79.6-132	1.48	20.6	
1,1-Dichloroethylene	7.58		"	10.0		75.8	80.2-146	1.60	20	Low Bias
1,1-Dichloropropylene	8.75		"	10.0		87.5	75-136	3.48	19.3	
1,2,3-Trichlorobenzene	11.9		"	10.0		119	66.1-136	0.505	21.6	
1,2,3-Trichloropropane	13.2		"	10.0		132	63-131	5.15	23.9	High Bias
1,2,4-Trichlorobenzene	10.8		"	10.0		108	70.6-136	5.13	21.7	
1,2,4-Trimethylbenzene	9.24		"	10.0		92.4	75.3-135	0.325	18.8	
1,2-Dibromo-3-chloropropane	14.6		"	10.0		146	58.9-140	8.50	27.7	High Bias
1,2-Dibromoethane	9.85		"	10.0		98.5	79-130	1.51	23	
1,2-Dichlorobenzene	9.64		"	10.0		96.4	76.1-122	0.207	19.8	
1,2-Dichloroethane	9.95		"	10.0		99.5	74.6-132	2.03	20.2	
1,2-Dichloropropane	9.74		"	10.0		97.4	76.9-129	3.55	20.7	
1,3,5-Trimethylbenzene	9.26		"	10.0		92.6	70.6-127	4.02	18.9	
1,3-Dichlorobenzene	10.1		"	10.0		101	77-124	1.10	19.2	
1,3-Dichloropropane	9.80		"	10.0		98.0	75.8-126	1.65	22.1	
1,4-Dichlorobenzene	9.67		"	10.0		96.7	76.6-125	3.36	18.6	
2,2-Dichloropropane	8.28		"	10.0		82.8	69-133	0.241	19.8	
2-Chlorotoluene	9.25		"	10.0		92.5	66.3-119	0.432	21.6	
2-Hexanone	10.9		"	10.0		109	70-130	6.65	30	
4-Chlorotoluene	9.10		"	10.0		91.0	69.2-127	4.51	19	
Acetone	9.54		"	10.0		95.4	70-130	2.87	30	
Benzene	9.46		"	10.0		94.6	76.2-129	0.318	19	
Bromobenzene	9.82		"	10.0		98.2	71.3-123	0.407	20.3	
Bromochloromethane	9.75		"	10.0		97.5	70.8-137	4.08	23.9	
Bromodichloromethane	9.74		"	10.0		97.4	79.7-134	3.03	21	
Bromoform	10.9		"	10.0		109	70.5-141	3.44	21.8	
Bromomethane	8.41		"	10.0		84.1	43.9-147	0.596	28.4	
Carbon tetrachloride	9.62		"	10.0		96.2	78.1-138	5.01	20.1	
Chlorobenzene	9.50		"	10.0		95.0	80.4-125	3.41	19.9	
Chloroethane	7.86		"	10.0		78.6	55.8-140	1.01	23.3	
Chloroform	9.57		"	10.0		95.7	76.6-133	2.99	20.3	
Chloromethane	6.95		"	10.0		69.5	48.8-115	5.17	24.5	
cis-1,2-Dichloroethylene	9.28		"	10.0		92.8	75.1-128	1.28	20.5	
cis-1,3-Dichloropropylene	9.86		"	10.0		98.6	74.5-128	2.31	19.9	
Dibromochloromethane	10.4		"	10.0		104	79.8-134	0.385	21.3	
Dibromomethane	10.4		"	10.0		104	79-130	7.44	22.4	
Dichlorodifluoromethane	3.05		"	10.0		30.5	47.1-101	4.17	23.9	Low Bias
Ethyl Benzene	9.36		"	10.0		93.6	80.8-128	1.80	19.2	
Hexachlorobutadiene	11.5		"	10.0		115	64.8-128	7.30	20.6	
Isopropylbenzene	9.32		"	10.0		93.2	75.5-135	2.33	20	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	65.1-140	2.86	23.6	
Methylene chloride	10.2		"	10.0		102	61.3-120	0.197	20.4	
Naphthalene	11.9		"	10.0		119	62.3-148	3.86	27.1	
n-Butylbenzene	9.25		"	10.0		92.5	67.2-123	1.82	19.1	
n-Propylbenzene	9.25		"	10.0		92.5	70.5-127	2.98	23.4	
o-Xylene	9.23		"	10.0		92.3	75.9-122	0.980	19.3	
p- & m- Xylenes	18.6		"	20.0		93.2	77.7-127	1.49	18.6	
p-Isopropyltoluene	9.45		"	10.0		94.5	75.6-129	3.94	19.1	
sec-Butylbenzene	9.54		"	10.0		95.4	71.5-125	1.25	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	RPD Limit	Flag
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#### Batch BD30714 - EPA 5030B

##### LCS Dup (BD30714-BSD1)

Prepared & Analyzed: 04/15/2013

Styrene	9.65		ug/L	10.0		96.5	77.8-123		4.36	20.9
tert-Butylbenzene	8.95		"	10.0		89.5	75.9-151		1.55	20.9
Tetrachloroethylene	9.15		"	10.0		91.5	63.6-167		4.17	27.7
Toluene	8.93		"	10.0		89.3	77-123		2.98	18.7
trans-1,2-Dichloroethylene	8.23		"	10.0		82.3	76.3-139		1.47	19.5
trans-1,3-Dichloropropylene	9.77		"	10.0		97.7	72.5-137		4.21	19.3
Trichloroethylene	8.76		"	10.0		87.6	77.9-130		4.03	20.5
Trichlorofluoromethane	8.33		"	10.0		83.3	57.4-133		0.965	21.4
Vinyl Chloride	6.92		"	10.0		69.2	54.9-124		3.68	22.3
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>	<i>72.6-129</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>63.5-145</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.67</i>		<i>"</i>	<i>10.0</i>		<i>96.7</i>	<i>81.2-127</i>			

#### Batch BD30753 - EPA 5030B

##### Blank (BD30753-BLK1)

Prepared & Analyzed: 04/16/2013

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 BD30753 - EPA 5030B**

**Blank (BD30753-BLK1)**

Prepared & Analyzed: 04/16/2013

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	1.2	2.0	"								
Naphthalene	1.2	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>	9.83		"	10.0		98.3	72.6-129				
<i>Surrogate: p-Bromofluorobenzene</i>	12.5		"	10.0		125	63.5-145				
<i>Surrogate: Toluene-d8</i>	10.0		"	10.0		100	81.2-127				

## 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 BD30753 - EPA 5030B</b>											
<b>LCS (BD30753-BS1)</b>											Prepared & Analyzed: 04/16/2013
1,1,1,2-Tetrachloroethane	11.2		ug/L	10.0		112	82.3-130				
1,1,1-Trichloroethane	10.4		"	10.0		104	75.6-137				
1,1,2,2-Tetrachloroethane	11.3		"	10.0		113	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	71.1-129				
1,1,2-Trichloroethane	10.6		"	10.0		106	74.5-129				
1,1-Dichloroethane	10.7		"	10.0		107	79.6-132				
1,1-Dichloroethylene	10.2		"	10.0		102	80.2-146				
1,1-Dichloropropylene	9.94		"	10.0		99.4	75-136				
1,2,3-Trichlorobenzene	11.8		"	10.0		118	66.1-136				
1,2,3-Trichloropropane	14.2		"	10.0		142	63-131	High Bias			
1,2,4-Trichlorobenzene	11.2		"	10.0		112	70.6-136				
1,2,4-Trimethylbenzene	9.61		"	10.0		96.1	75.3-135				
1,2-Dibromo-3-chloropropane	16.5		"	10.0		165	58.9-140	High Bias			
1,2-Dibromoethane	10.7		"	10.0		107	79-130				
1,2-Dichlorobenzene	10.0		"	10.0		100	76.1-122				
1,2-Dichloroethane	10.7		"	10.0		107	74.6-132				
1,2-Dichloropropane	10.0		"	10.0		100	76.9-129				
1,3,5-Trimethylbenzene	10.0		"	10.0		100	70.6-127				
1,3-Dichlorobenzene	10.5		"	10.0		105	77-124				
1,3-Dichloropropane	10.2		"	10.0		102	75.8-126				
1,4-Dichlorobenzene	10.2		"	10.0		102	76.6-125				
2,2-Dichloropropane	10.6		"	10.0		106	69-133				
2-Chlorotoluene	9.42		"	10.0		94.2	66.3-119				
2-Hexanone	11.4		"	10.0		114	70-130				
4-Chlorotoluene	9.84		"	10.0		98.4	69.2-127				
Acetone	11.1		"	10.0		111	70-130				
Benzene	10.5		"	10.0		105	76.2-129				
Bromobenzene	10.6		"	10.0		106	71.3-123				
Bromochloromethane	10.4		"	10.0		104	70.8-137				
Bromodichloromethane	10.5		"	10.0		105	79.7-134				
Bromoform	10.9		"	10.0		109	70.5-141				
Bromomethane	11.2		"	10.0		112	43.9-147				
Carbon tetrachloride	10.5		"	10.0		105	78.1-138				
Chlorobenzene	10.3		"	10.0		103	80.4-125				
Chloroethane	9.80		"	10.0		98.0	55.8-140				
Chloroform	10.7		"	10.0		107	76.6-133				
Chloromethane	9.95		"	10.0		99.5	48.8-115				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	75.1-128				
cis-1,3-Dichloropropylene	10.8		"	10.0		108	74.5-128				
Dibromochloromethane	10.9		"	10.0		109	79.8-134				
Dibromomethane	10.6		"	10.0		106	79-130				
Dichlorodifluoromethane	8.18		"	10.0		81.8	47.1-101				
Ethyl Benzene	10.3		"	10.0		103	80.8-128				
Hexachlorobutadiene	11.5		"	10.0		115	64.8-128				
Isopropylbenzene	9.61		"	10.0		96.1	75.5-135				
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	65.1-140				
Methylene chloride	8.29		"	10.0		82.9	61.3-120				
Naphthalene	12.2		"	10.0		122	62.3-148				
n-Butylbenzene	9.70		"	10.0		97.0	67.2-123				
n-Propylbenzene	9.62		"	10.0		96.2	70.5-127				
o-Xylene	9.73		"	10.0		97.3	75.9-122				
p- & m- Xylenes	19.9		"	20.0		99.6	77.7-127				
p-Isopropyltoluene	10.1		"	10.0		101	75.6-129				
sec-Butylbenzene	9.87		"	10.0		98.7	71.5-125				

## 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 BD30753 - EPA 5030B</b>										
Prepared & Analyzed: 04/16/2013										
<b>LCS (BD30753-BS1)</b>										
Styrene	10.6		ug/L	10.0		106				
tert-Butylbenzene	9.30		"	10.0		93.0				
Tetrachloroethylene	9.68		"	10.0		96.8				
Toluene	9.87		"	10.0		98.7				
trans-1,2-Dichloroethylene	9.86		"	10.0		98.6				
trans-1,3-Dichloropropylene	10.8		"	10.0		108				
Trichloroethylene	10.0		"	10.0		100				
Trichlorofluoromethane	9.87		"	10.0		98.7				
Vinyl Chloride	9.61		"	10.0		96.1				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.69</i>		<i>"</i>	<i>10.0</i>		<i>96.9</i>				
Prepared & Analyzed: 04/16/2013										
<b>LCS Dup (BD30753-BSD1)</b>										
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106		5.71	21.1	
1,1,1-Trichloroethane	9.58		"	10.0		95.8		7.92	19.7	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110		2.97	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101		4.18	21.7	
1,1,2-Trichloroethane	9.68		"	10.0		96.8		8.88	20.3	
1,1-Dichloroethane	9.78		"	10.0		97.8		8.89	20.6	
1,1-Dichloroethylene	9.52		"	10.0		95.2		6.99	20	
1,1-Dichloropropylene	9.36		"	10.0		93.6		6.01	19.3	
1,2,3-Trichlorobenzene	11.2		"	10.0		112		4.86	21.6	
1,2,3-Trichloropropane	12.5		"	10.0		125		12.8	23.9	
1,2,4-Trichlorobenzene	10.8		"	10.0		108		3.64	21.7	
1,2,4-Trimethylbenzene	9.50		"	10.0		95.0		1.15	18.8	
1,2-Dibromo-3-chloropropane	14.2		"	10.0		142	High Bias	14.5	27.7	
1,2-Dibromoethane	10.7		"	10.0		107		0.0935	23	
1,2-Dichlorobenzene	9.54		"	10.0		95.4		5.01	19.8	
1,2-Dichloroethane	9.85		"	10.0		98.5		8.18	20.2	
1,2-Dichloropropane	10.2		"	10.0		102		1.49	20.7	
1,3,5-Trimethylbenzene	9.78		"	10.0		97.8		2.42	18.9	
1,3-Dichlorobenzene	10.2		"	10.0		102		3.00	19.2	
1,3-Dichloropropane	9.97		"	10.0		99.7		2.38	22.1	
1,4-Dichlorobenzene	9.89		"	10.0		98.9		2.89	18.6	
2,2-Dichloropropane	9.67		"	10.0		96.7		8.80	19.8	
2-Chlorotoluene	9.42		"	10.0		94.2		0.00	21.6	
2-Hexanone	10.7		"	10.0		107		6.53	30	
4-Chlorotoluene	9.86		"	10.0		98.6		0.203	19	
Acetone	10.0		"	10.0		100		9.57	30	
Benzene	9.68		"	10.0		96.8		8.32	19	
Bromobenzene	9.95		"	10.0		99.5		6.42	20.3	
Bromochloromethane	9.59		"	10.0		95.9		8.58	23.9	
Bromodichloromethane	10.0		"	10.0		100		4.48	21	
Bromoform	10.6		"	10.0		106		3.44	21.8	
Bromomethane	9.81		"	10.0		98.1		13.3	28.4	
Carbon tetrachloride	9.82		"	10.0		98.2		6.98	20.1	
Chlorobenzene	9.83		"	10.0		98.3		4.38	19.9	
Chloroethane	9.04		"	10.0		90.4		8.07	23.3	
Chloroform	9.74		"	10.0		97.4		9.21	20.3	
Chloromethane	9.44		"	10.0		94.4		5.26	24.5	
cis-1,2-Dichloroethylene	9.54		"	10.0		95.4		8.24	20.5	
cis-1,3-Dichloropropylene	10.7		"	10.0		107		0.835	19.9	
Dibromochloromethane	10.3		"	10.0		103		5.57	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 BD30753 - EPA 5030B</b>										
<b>LCS Dup (BD30753-BSD1)</b>										
							Prepared & Analyzed: 04/16/2013			
Dibromomethane	10.6		ug/L	10.0		106 79-130		0.471	22.4	
Dichlorodifluoromethane	7.32		"	10.0		73.2 47.1-101		11.1	23.9	
Ethyl Benzene	9.96		"	10.0		99.6 80.8-128		3.06	19.2	
Hexachlorobutadiene	11.2		"	10.0		112 64.8-128		2.29	20.6	
Isopropylbenzene	9.68		"	10.0		96.8 75.5-135		0.726	20	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100 65.1-140		10.9	23.6	
Methylene chloride	7.53		"	10.0		75.3 61.3-120		9.61	20.4	
Naphthalene	11.5		"	10.0		115 62.3-148		6.25	27.1	
n-Butylbenzene	9.61		"	10.0		96.1 67.2-123		0.932	19.1	
n-Propylbenzene	9.65		"	10.0		96.5 70.5-127		0.311	23.4	
o-Xylene	9.52		"	10.0		95.2 75.9-122		2.18	19.3	
p- & m- Xylenes	19.9		"	20.0		99.7 77.7-127		0.0502	18.6	
p-Isopropyltoluene	9.77		"	10.0		97.7 75.6-129		3.12	19.1	
sec-Butylbenzene	9.78		"	10.0		97.8 71.5-125		0.916	18.9	
Styrene	10.2		"	10.0		102 77.8-123		4.03	20.9	
tert-Butylbenzene	9.61		"	10.0		96.1 75.9-151		3.28	20.9	
Tetrachloroethylene	9.84		"	10.0		98.4 63.6-167		1.64	27.7	
Toluene	9.87		"	10.0		98.7 77-123		0.00	18.7	
trans-1,2-Dichloroethylene	9.31		"	10.0		93.1 76.3-139		5.74	19.5	
trans-1,3-Dichloropropylene	10.2		"	10.0		102 72.5-137		5.54	19.3	
Trichloroethylene	9.61		"	10.0		96.1 77.9-130		4.08	20.5	
Trichlorofluoromethane	9.22		"	10.0		92.2 57.4-133		6.81	21.4	
Vinyl Chloride	8.79		"	10.0		87.9 54.9-124		8.91	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.31</i>		<i>"</i>	<i>10.0</i>		<i>93.1 72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101 63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.85</i>		<i>"</i>	<i>10.0</i>		<i>98.5 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 BD30715 - EPA 3010A</b>											
<b>Blank (BD30715-BLK1)</b>											
										Prepared & Analyzed: 04/15/2013	
Iron - Dissolved	ND	0.0200	mg/L								
<b>Duplicate (BD30715-DUP1)</b>											
										Prepared & Analyzed: 04/15/2013	
Iron - Dissolved	0.0919	0.0200	mg/L		0.0848				8.07	20	
<b>Matrix Spike (BD30715-MS1)</b>											
										Prepared & Analyzed: 04/15/2013	
Iron - Dissolved	1.11	0.0200	mg/L	1.00	0.0848	103	75-125				
<b>Reference (BD30715-SRM1)</b>											
										Prepared & Analyzed: 04/15/2013	
Iron - Dissolved	0.459	0.0200	mg/L	0.462		99.4	87.9-114				

# YORK

ANALYTICAL LABORATORIES, INC.

## 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 BD30717 - EPA 3010A</b>											
<b>Blank (BD30717-BLK1)</b>								Prepared & Analyzed: 04/15/2013			
Iron	0.0210	0.0200	mg/L								
<b>Duplicate (BD30717-DUP1)</b>								*Source sample: 13D0448-01 (WQ040913:1420 NP2-10) Prepared & Analyzed: 04/15/2013			
Iron	0.253	0.0200	mg/L		0.257				1.63	20	
<b>Matrix Spike (BD30717-MS1)</b>								*Source sample: 13D0448-01 (WQ040913:1420 NP2-10) Prepared & Analyzed: 04/15/2013			
Iron	1.27	0.0200	mg/L	1.00	0.257	102	75-125				
<b>Reference (BD30717-SRM1)</b>								Prepared & Analyzed: 04/15/2013			
Iron	0.433	0.0200	mg/L	0.462		93.8	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	RPD Limit	Flag
<b>Batch BD30699 - % Solids Prep</b>										
<b>Blank (BD30699-BLK1)</b>							Prepared & Analyzed: 04/16/2013			
Total Dissolved Solids	ND	1.00	mg/L							
<b>Duplicate (BD30699-DUP1)</b>							Prepared & Analyzed: 04/16/2013			
*Source sample: 13D0448-01 (WQ040913:1420 NP2-10)										
Total Dissolved Solids	112	1.00	mg/L		124			10.2	15	

## Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13D0447-01	WQ040913:1400 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0447-02	WQ040913:1410 NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0448-01	WQ040913:1420 NP2-10	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

Page 1 of 1  
York Project No. 13 D0447

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.

<b>YOUR Information</b> Company: <u>LBG</u> Address: <u>4 Research Dr. Suite 301 Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde 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> <u>None</u> Industries: <u>Industries</u> Purchase Order No.: <u>NABSAG</u> Samples from: CT <u>X</u> NY <u>X</u> NJ <u>X</u>		<b>Turn-Around Time</b> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		<b>Report Type</b> Summary Report <u>X</u> PDF Summary w/ QA Summary <u>X</u> PDF CT RCP Package CTRCP DQADUE Pkg NY ASP A Package NY ASP B Package <u>NP2-10 only, PH</u> NUDEP Red. Deliv. Electronic Data Deliverables (EDD) Simple Excel <u>X</u> NYSDEC EQUIS EQUIS (std) EZ-EDD (EQUIS) NUDEP SRP HazSite EDD GIS/KEY (std) Other York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (please fill in):			
<b>Matrix Codes</b> S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		<b>Volatiles</b> TICs She Spec. STARS list Nassau Co. Suffolk Co. MTBE Ketones Oxygens TCLP list TAGM list CT RCP list TCLP list Avrom. only 502.2 Halog. only NUDEP list App. IX SP/Per/TCLP 8021B list		<b>Semi-Vols. Perchlorate</b> \$270 or 625 S082PCB STARS list S081Pest S1511Herb CT RCP App. IX Site Spec. SP/Per/TCLP TCLP Pest TCLP Herb Chlordane 608 Pest SP/Per/TCLP 608 PCR		<b>Metals</b> RCRAS PP13 list TAL CT15 list TAGM list NUDEP list Total Dissolved SP/Per/TCLP InductMetals LIST Below		<b>Misc. Org.</b> TPH GRO TPH DR0 CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Medicine Helium		<b>Full Lists</b> Pri. Poll. TCL Organics TAL MeCN Full TCLP Full App. IX Part 360-Residue Heteroorgs Part 360-Insect TOX Part 360-Animal BTU/ib. Part 360-Animal Aquatic Tox. NYDEP Seve TOC NYSDEC Seve Asbestos TAGM Silica		<b>Container Description(s)</b> 2V 2P 2V 2P 2V 3P	

Choose Analyses Needed from the Menu Above and Enter Below

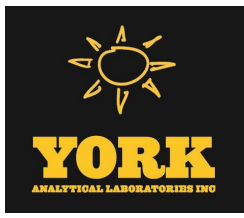
Sample Identification	Date Sampled	Sample Matrix	Preservation	4°C	Frozen	HCl	NiOH	Ascorbic Acid	HNO <sub>3</sub>	NaOH	Temperature on Receipt
WB040913: 1400 NP2-6	4/9/13 1400	GW	Feb by EPA 200.7/ Fe, Dissolved by EPA 601.0 (SH 840-6010B) / VOCs, 8260 List (EPA 845-8260B) plus Fecon (13, I.D. 515 #2540c)								19.0°C
WB040913: 1410 NP2-7	4/9/13 1410	GW									18.8°C
WB040913: 1420 NP2-10	4/9/13 1420	GW									16.1°C
Comments: _____ Preservation: _____ Check those Applicable: _____ Special Instructions: _____ Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>											
Samples Relinquished By: _____ Date/Time: _____ Samples Relinquished By: _____ Date/Time: _____ Samples Received By: _____ Date/Time: _____ Samples Received in LAB by: _____ Date/Time: _____											

## 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.

<b>YOUR Information</b> Company: <u>LBG</u> Address: <u>4 Research Dr. Suite 301 Shelton, CT 06484</u> Phone No.: <u>203-929-8555</u> Contact Person: <u>Tunde Sandor</u> E-Mail Address: <u>TSandor@LBGCT.com</u>	<b>Report To:</b> Company: <u>Same</u> Address: <u>[Arrow]</u> Phone No.: <u>[Arrow]</u> Attention: <u>[Arrow]</u> E-Mail Address: <u>[Arrow]</u>	<b>Invoice To:</b> Company: <u>Same</u> Address: <u>[Arrow]</u> Phone No.: <u>[Arrow]</u> Attention: <u>[Arrow]</u> E-Mail Address: <u>[Arrow]</u>	<b>YOUR Project ID</b> <u>Rove Industries</u> <b>Purchase Order No.</b> <u>NABSA9</u> Samples from: CT <input type="checkbox"/> NY <input checked="" type="checkbox"/> NJ <input type="checkbox"/>	<b>Turn-Around Time</b> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>	<b>Report Type</b> Summary Report <input checked="" type="checkbox"/> <u>X, pdf</u> Summary w/ QA Summary <input checked="" type="checkbox"/> <u>X, pdf</u> CT RCP Package <input type="checkbox"/> CTRCP QA/DUE Pkg <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input checked="" type="checkbox"/> <u>NP2-10 only, pdf</u> NJDEP Red. Deliv. <input type="checkbox"/> Electronic Data Deliverables (EDD) <input type="checkbox"/> Simple Excel <input checked="" type="checkbox"/> <u>X</u> NYSDC EQUIS <input type="checkbox"/> EQUIS (std) <input type="checkbox"/> EZ-EDD (EQUIS) <input type="checkbox"/> NJDEP SRP HazSite EDD <input type="checkbox"/> GIS/KEY (std) <input type="checkbox"/> Other <input type="checkbox"/> York Regulatory Comparison Excel Spreadsheet <input type="checkbox"/> Compare to the following Regs. (please fill in):															
<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> Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor			<b>Volatiles</b> 8260 full TICs 624 Site Spec. STARS list Nassau Co. BTX Suffolk Co. MTBE Ketones TCL list Oxygenates TAGM list TCLP list CT RCP list 524.2 Arom. only 502.2 Halo. only NJDEP list App. IX SPL/Port/TCLP 8021B list			<b>Semi-Vols., Pests/PCB/Herb</b> 8270 or 625 STARS list 8081Pest BN Only Acids Only PAH list TAGM list CT RCP list Site Spec. SPL/Port/TCLP Total TCLP list NJDEP list App. IX Chlordane TCLP BNA 608 Pest SPL/Port/TCLP 608 PCB			<b>Metals</b> RCRA8 PP13 list TAL CT ETPH NY 310-13 Full TCLP TPH 1664 Full App. IX Air TO 4A Air TO 15 Air STARS Air VPH Air TICs Methane Helium			<b>Misc. Org.</b> TPH GRO CT ETPH NY 310-13 Full TCLP TPH 1664 Full App. IX Air TO 4A Air TO 15 Air STARS Air VPH Air TICs Methane Helium			<b>Full Lists</b> Pri. Poll. TCL Organics TAL MecCN Full TCLP Full App. IX Part 360-Rotax Part 360-Bac/He Part 360-Base/He Part 360-Asbestos Part 360-Asbestos NYDEP Sewer TOC NYSDC Sewer Asbestos TAGM Silica			<b>Misc.</b> Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Helicotrophs TOX BTU/lb. Aquatic Tox. TOC Asbestos Silica		
<b>Choose Analyses Needed from the Menu Above and Enter Below</b>																				
Sample Identification <u>WA040913: 1400 NP2-6</u> <u>WA040913: 1410 NP2-7</u> <u>WA040913: 1420 NP2-10</u>	Date Sampled <u>4/9/13 1400</u> <u>4/9/13 1410</u> <u>4/9/13 1420</u>	Sample Matrix <u>GW</u> <u>GW</u> <u>GW</u>	Fe by EPA 200.7/ Fe, Dissolved by EPA 6010 (S4 840-6010B) / VOCs, 8260 list (EPA 845-8260B) plus PCRN 113 Fe by EPA 200.7/ Fe, Dissolved by EPA 6010 (S4 840-6010B) / VOCs, 8260 list (EPA 845-8260B) plus PCRN 113 / TD 564-2540c			Container Description(s) <u>2U 2P</u> <u>2U 2P</u> <u>2U 3P</u>														

<b>Comments</b> [Large Signature]	<b>Preservation</b> Check those Applicable Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>	4°C <input type="checkbox"/> Frozen <input checked="" type="checkbox"/> HCl <input type="checkbox"/> MeOH <input type="checkbox"/> Zn.AC <input type="checkbox"/> Ascorbic Acid <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"/>	Temperature on Receipt <u>3.8</u> °C
Samples Relinquished By <u>[Signature]</u> Date/Time <u>4/9/13 18:30</u> Samples Relinquished in LAB by <u>R. Sandor</u> Date/Time <u>4-11-13 16:10</u>		Samples Received By <u>LBG Fridge</u> Date/Time <u>4/9/13 18:30</u> Date/Time <u>4/11/13 14:00</u>		



# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 04/24/2013

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 13D0722

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 04/24/2013  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 13D0722

**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 April 19, 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>
13D0722-01	WQ041613:1120NP2-6	Water	04/16/2013	04/19/2013
13D0722-02	WQ041613:1125NP2-7	Water	04/16/2013	04/19/2013
13D0724-01	WQ041613:1130NP2-10	Water	04/16/2013	04/22/2013

## General Notes for York Project (SDG) No.: 13D0722

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

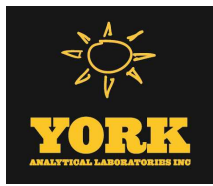
Approved By:



Benjamin Gulizia  
Laboratory Director

Date: 04/24/2013

**YORK**



### Sample Information

**Client Sample ID:** WQ041613:1120NP2-6

**York Sample ID:** 13D0722-01

York Project (SDG) No.  
13D0722

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 16, 2013 11:20 am

Date Received  
04/19/2013

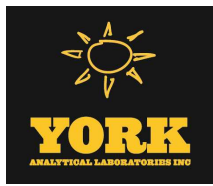
**Volatile Organics, 8260 List - Low Level**

**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	04/23/2013 10:01	04/23/2013 15:45	SS
71-55-6	1,1,1-Trichloroethane	<b>0.28</b>	J	ug/L	0.024	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	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	04/23/2013 10:01	04/23/2013 15:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
75-25-2	Bromoform	<b>1.5</b>		ug/L	0.079	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS



### Sample Information

**Client Sample ID:** WQ041613:1120NP2-6

**York Sample ID:** 13D0722-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0722

Rowe Industries

Water

April 16, 2013 11:20 am

04/19/2013

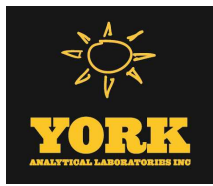
**Volatile Organics, 8260 List - Low Level**

**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
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
156-59-2	cis-1,2-Dichloroethylene	<b>0.11</b>	J	ug/L	0.069	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
75-09-2	Methylene chloride	<b>0.33</b>	J	ug/L	0.26	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
127-18-4	Tetrachloroethylene	<b>0.91</b>		ug/L	0.070	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 15:45	SS



### Sample Information

Client Sample ID: WQ041613:1120NP2-6

York Sample ID: 13D0722-01

York Project (SDG) No.

Client Project ID

Matrix

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13D0722

Rowe Industries

Water

April 16, 2013 11:20 am

04/19/2013

#### 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
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %			72.6	129					
460-00-4	Surrogate: p-Bromofluorobenzene	122 %			63.5	145					
2037-26-5	Surrogate: Toluene-d8	102 %			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	ND		mg/L	0.0100	0.0200	1	EPA SW846-6010B	04/23/2013 17:00	04/23/2013 18:56	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	0.906		mg/L	0.0100	0.0200	1	EPA 200.7	04/23/2013 17:03	04/23/2013 19:53	MW

### Sample Information

Client Sample ID: WQ041613:1125NP2-7

York Sample ID: 13D0722-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0722

Rowe Industries

Water

April 16, 2013 11:25 am

04/19/2013

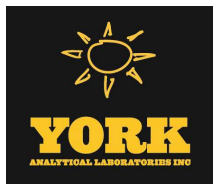
#### Volatile Organics, 8260 List - Low Level

#### 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	04/23/2013 10:01	04/23/2013 16:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	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	04/23/2013 10:01	04/23/2013 16:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS



### Sample Information

**Client Sample ID:** WQ041613:1125NP2-7

**York Sample ID:** 13D0722-02

York Project (SDG) No.

Client Project ID

Matrix

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13D0722

Rowe Industries

Water

April 16, 2013 11:25 am

04/19/2013

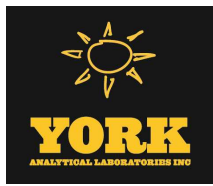
**Volatile Organics, 8260 List - Low Level**

**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
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS



### Sample Information

**Client Sample ID:** WQ041613:1125NP2-7

**York Sample ID:** 13D0722-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0722

Rowe Industries

Water

April 16, 2013 11:25 am

04/19/2013

**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
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
75-09-2	Methylene chloride	<b>0.26</b>	J	ug/L	0.26	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 16:21	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.2 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	118 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	99.2 %	81.2-127								

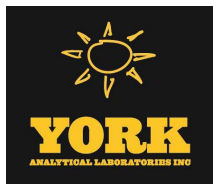
**Iron, Dissolved by EPA 6010**

**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	ND		mg/L	0.0100	0.0200	1	EPA SW846-6010B	04/23/2013 17:00	04/23/2013 19:01	MW



### Sample Information

**Client Sample ID:** WQ041613:1125NP2-7

**York Sample ID:** 13D0722-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0722

Rowe Industries

Water

April 16, 2013 11:25 am

04/19/2013

**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	1.18		mg/L	0.0100	0.0200	1	EPA 200.7	04/23/2013 17:03	04/23/2013 19:58	MW

### Sample Information

**Client Sample ID:** WQ041613:1130NP2-10

**York Sample ID:** 13D0724-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0724

Rowe Industries

Water

April 16, 2013 11:30 am

04/22/2013

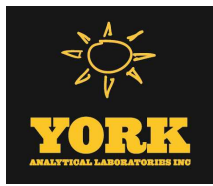
**Volatile Organics, 8260 List - Low Level**

**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	04/23/2013 10:01	04/23/2013 17:32	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	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	04/23/2013 10:01	04/23/2013 17:32	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS



## Sample Information

**Client Sample ID:** WQ041613:1130NP2-10

**York Sample ID:** 13D0724-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0724

Rowe Industries

Water

April 16, 2013 11:30 am

04/22/2013

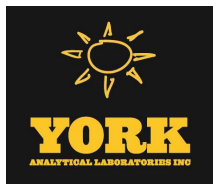
**Volatile Organics, 8260 List - Low Level**

**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
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS



### Sample Information

**Client Sample ID:** WQ041613:1130NP2-10

**York Sample ID:** 13D0724-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0724

Rowe Industries

Water

April 16, 2013 11:30 am

04/22/2013

**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
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/23/2013 10:01	04/23/2013 17:32	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	127 %			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>0.0287</b>		mg/L	0.0100	0.0200	1	EPA SW846-6010B	04/23/2013 17:00	04/23/2013 19:06	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>14.8</b>		mg/L	0.0100	0.0200	1	EPA 200.7	04/23/2013 17:03	04/23/2013 20:03	MW

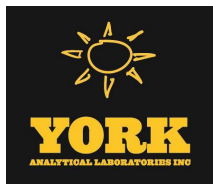
**Total Dissolved Solids**

**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	<b>126</b>		mg/L	1.00	1.00	1	SM 2540C	04/23/2013 09:56	04/24/2013 09:56	ALD



## Analytical Batch Summary

**Batch ID:** BD31067

**Preparation Method:** EPA 5030B

**Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
13D0722-01	WQ041613:1120NP2-6	04/23/13
13D0722-02	WQ041613:1125NP2-7	04/23/13
13D0724-01	WQ041613:1130NP2-10	04/23/13
BD31067-BLK1	Blank	04/23/13
BD31067-BS1	LCS	04/23/13
BD31067-BSD1	LCS Dup	04/23/13

**Batch ID:** BD31096

**Preparation Method:** % Solids Prep

**Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13D0724-01	WQ041613:1130NP2-10	04/23/13
BD31096-BLK1	Blank	04/23/13
BD31096-DUP1	Duplicate	04/23/13

**Batch ID:** BD31111

**Preparation Method:** EPA 3010A

**Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13D0722-01	WQ041613:1120NP2-6	04/23/13
13D0722-02	WQ041613:1125NP2-7	04/23/13
13D0724-01	WQ041613:1130NP2-10	04/23/13
BD31111-BLK1	Blank	04/23/13
BD31111-DUP1	Duplicate	04/23/13
BD31111-MS1	Matrix Spike	04/23/13
BD31111-SRM1	Reference	04/23/13

**Batch ID:** BD31112

**Preparation Method:** EPA 3010A

**Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13D0722-01	WQ041613:1120NP2-6	04/23/13
13D0722-02	WQ041613:1125NP2-7	04/23/13
13D0724-01	WQ041613:1130NP2-10	04/23/13
BD31112-BLK1	Blank	04/23/13
BD31112-DUP1	Duplicate	04/23/13
BD31112-MS1	Matrix Spike	04/23/13
BD31112-SRM1	Reference	04/23/13



**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 BD31067 - EPA 5030B**

**Blank (BD31067-BLK1)**

Prepared & Analyzed: 04/23/2013

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	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	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 BD31067 - EPA 5030B

Blank (BD31067-BLK1)

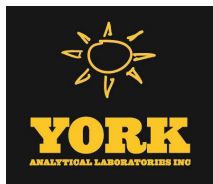
Prepared & Analyzed: 04/23/2013

p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	9.98		"	10.0		99.8	72.6-129				
Surrogate: p-Bromofluorobenzene	12.4		"	10.0		124	63.5-145				
Surrogate: Toluene-d8	10.5		"	10.0		105	81.2-127				

LCS (BD31067-BS1)

Prepared & Analyzed: 04/23/2013

1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82.3-130				
1,1,1-Trichloroethane	9.41		"	10.0		94.1	75.6-137				
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.83		"	10.0		88.3	71.1-129				
1,1,2-Trichloroethane	10.5		"	10.0		105	74.5-129				
1,1-Dichloroethane	9.64		"	10.0		96.4	79.6-132				
1,1-Dichloroethylene	8.49		"	10.0		84.9	80.2-146				
1,1-Dichloropropylene	9.11		"	10.0		91.1	75-136				
1,2,3-Trichlorobenzene	11.2		"	10.0		112	66.1-136				
1,2,3-Trichloropropane	12.8		"	10.0		128	63-131				
1,2,4-Trichlorobenzene	10.5		"	10.0		105	70.6-136				
1,2,4-Trimethylbenzene	10.8		"	10.0		108	75.3-135				
1,2-Dibromo-3-chloropropane	14.8		"	10.0		148	58.9-140	High Bias			
1,2-Dibromoethane	11.4		"	10.0		114	79-130				
1,2-Dichlorobenzene	10.4		"	10.0		104	76.1-122				
1,2-Dichloroethane	9.94		"	10.0		99.4	74.6-132				
1,2-Dichloropropane	10.0		"	10.0		100	76.9-129				
1,3,5-Trimethylbenzene	11.0		"	10.0		110	70.6-127				
1,3-Dichlorobenzene	10.4		"	10.0		104	77-124				
1,3-Dichloropropane	10.4		"	10.0		104	75.8-126				
1,4-Dichlorobenzene	10.3		"	10.0		103	76.6-125				
2,2-Dichloropropane	9.82		"	10.0		98.2	69-133				
2-Chlorotoluene	10.1		"	10.0		101	66.3-119				
2-Hexanone	10.7		"	10.0		107	70-130				
4-Chlorotoluene	10.8		"	10.0		108	69.2-127				
Acetone	7.11		"	10.0		71.1	70-130				
Benzene	9.75		"	10.0		97.5	76.2-129				
Bromobenzene	10.7		"	10.0		107	71.3-123				
Bromochloromethane	10.3		"	10.0		103	70.8-137				
Bromodichloromethane	10.9		"	10.0		109	79.7-134				
Bromoform	11.4		"	10.0		114	70.5-141				
Bromomethane	6.31		"	10.0		63.1	43.9-147				
Carbon tetrachloride	9.88		"	10.0		98.8	78.1-138				
Chlorobenzene	9.85		"	10.0		98.5	80.4-125				



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

York Analytical Laboratories, Inc.

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

Batch BD31067 - EPA 5030B

LCS (BD31067-BS1)

Prepared & Analyzed: 04/23/2013

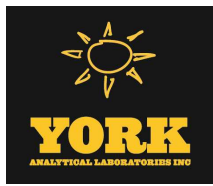
Chloroethane	7.52		ug/L	10.0		75.2	55.8-140						
Chloroform	10.1		"	10.0		101	76.6-133						
Chloromethane	5.18		"	10.0		51.8	48.8-115						
cis-1,2-Dichloroethylene	9.62		"	10.0		96.2	75.1-128						
cis-1,3-Dichloropropylene	10.2		"	10.0		102	74.5-128						
Dibromochloromethane	11.2		"	10.0		112	79.8-134						
Dibromomethane	11.8		"	10.0		118	79-130						
Dichlorodifluoromethane	2.51		"	10.0		25.1	47.1-101	Low Bias					
Ethyl Benzene	10.1		"	10.0		101	80.8-128						
Hexachlorobutadiene	10.2		"	10.0		102	64.8-128						
Isopropylbenzene	10.3		"	10.0		103	75.5-135						
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	65.1-140						
Methylene chloride	9.65		"	10.0		96.5	61.3-120						
Naphthalene	10.8		"	10.0		108	62.3-148						
n-Butylbenzene	10.4		"	10.0		104	67.2-123						
n-Propylbenzene	10.1		"	10.0		101	70.5-127						
o-Xylene	9.70		"	10.0		97.0	75.9-122						
p- & m- Xylenes	20.1		"	20.0		100	77.7-127						
p-Isopropyltoluene	10.5		"	10.0		105	75.6-129						
sec-Butylbenzene	10.7		"	10.0		107	71.5-125						
Styrene	10.7		"	10.0		107	77.8-123						
tert-Butylbenzene	10.8		"	10.0		108	75.9-151						
Tetrachloroethylene	9.75		"	10.0		97.5	63.6-167						
Toluene	9.66		"	10.0		96.6	77-123						
trans-1,2-Dichloroethylene	9.00		"	10.0		90.0	76.3-139						
trans-1,3-Dichloropropylene	10.2		"	10.0		102	72.5-137						
Trichloroethylene	9.76		"	10.0		97.6	77.9-130						
Trichlorofluoromethane	7.71		"	10.0		77.1	57.4-133						
Vinyl Chloride	6.14		"	10.0		61.4	54.9-124						
Surrogate: 1,2-Dichloroethane-d4	10.5		"	10.0		105	72.6-129						
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	63.5-145						
Surrogate: Toluene-d8	10.1		"	10.0		101	81.2-127						



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 BD31067 - EPA 5030B</b>											
<b>LCS Dup (BD31067-BSD1)</b>											
Prepared & Analyzed: 04/23/2013											
1,1,1,2-Tetrachloroethane	11.2		ug/L	10.0		112	82.3-130		5.11	21.1	
1,1,1-Trichloroethane	9.60		"	10.0		96.0	75.6-137		2.00	19.7	
1,1,2,2-Tetrachloroethane	11.3		"	10.0		113	71.3-131		2.59	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.36		"	10.0		83.6	71.1-129		5.47	21.7	
1,1,2-Trichloroethane	10.7		"	10.0		107	74.5-129		2.27	20.3	
1,1-Dichloroethane	9.31		"	10.0		93.1	79.6-132		3.48	20.6	
1,1-Dichloroethylene	8.29		"	10.0		82.9	80.2-146		2.38	20	
1,1-Dichloropropylene	8.86		"	10.0		88.6	75-136		2.78	19.3	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	66.1-136		9.55	21.6	
1,2,3-Trichloropropane	12.9		"	10.0		129	63-131		0.545	23.9	
1,2,4-Trichlorobenzene	10.4		"	10.0		104	70.6-136		1.25	21.7	
1,2,4-Trimethylbenzene	10.7		"	10.0		107	75.3-135		0.186	18.8	
1,2-Dibromo-3-chloropropane	14.6		"	10.0		146	58.9-140	High Bias	1.63	27.7	
1,2-Dibromoethane	10.5		"	10.0		105	79-130		8.50	23	
1,2-Dichlorobenzene	10.4		"	10.0		104	76.1-122		0.672	19.8	
1,2-Dichloroethane	9.27		"	10.0		92.7	74.6-132		6.98	20.2	
1,2-Dichloropropane	10.4		"	10.0		104	76.9-129		3.24	20.7	
1,3,5-Trimethylbenzene	10.8		"	10.0		108	70.6-127		1.65	18.9	
1,3-Dichlorobenzene	10.4		"	10.0		104	77-124		0.193	19.2	
1,3-Dichloropropane	9.97		"	10.0		99.7	75.8-126		3.93	22.1	
1,4-Dichlorobenzene	10.4		"	10.0		104	76.6-125		1.35	18.6	
2,2-Dichloropropane	9.41		"	10.0		94.1	69-133		4.26	19.8	
2-Chlorotoluene	10.0		"	10.0		100	66.3-119		0.496	21.6	
2-Hexanone	10.5		"	10.0		105	70-130		1.70	30	
4-Chlorotoluene	11.0		"	10.0		110	69.2-127		1.56	19	
Acetone	6.52		"	10.0		65.2	70-130	Low Bias	8.66	30	
Benzene	9.12		"	10.0		91.2	76.2-129		6.68	19	
Bromobenzene	10.7		"	10.0		107	71.3-123		0.281	20.3	
Bromochloromethane	9.49		"	10.0		94.9	70.8-137		8.19	23.9	
Bromodichloromethane	11.2		"	10.0		112	79.7-134		2.81	21	
Bromoform	12.0		"	10.0		120	70.5-141		4.36	21.8	
Bromomethane	6.15		"	10.0		61.5	43.9-147		2.57	28.4	
Carbon tetrachloride	9.17		"	10.0		91.7	78.1-138		7.45	20.1	
Chlorobenzene	9.90		"	10.0		99.0	80.4-125		0.506	19.9	
Chloroethane	7.40		"	10.0		74.0	55.8-140		1.61	23.3	
Chloroform	9.29		"	10.0		92.9	76.6-133		8.26	20.3	
Chloromethane	4.82		"	10.0		48.2	48.8-115	Low Bias	7.20	24.5	
cis-1,2-Dichloroethylene	9.16		"	10.0		91.6	75.1-128		4.90	20.5	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	74.5-128		1.55	19.9	
Dibromochloromethane	11.2		"	10.0		112	79.8-134		0.0889	21.3	
Dibromomethane	11.5		"	10.0		115	79-130		2.58	22.4	
Dichlorodifluoromethane	2.37		"	10.0		23.7	47.1-101	Low Bias	5.74	23.9	
Ethyl Benzene	10.2		"	10.0		102	80.8-128		1.28	19.2	
Hexachlorobutadiene	10.3		"	10.0		103	64.8-128		1.07	20.6	
Isopropylbenzene	10.8		"	10.0		108	75.5-135		4.65	20	
Methyl tert-butyl ether (MTBE)	9.32		"	10.0		93.2	65.1-140		7.14	23.6	
Methylene chloride	8.89		"	10.0		88.9	61.3-120		8.20	20.4	
Naphthalene	10.1		"	10.0		101	62.3-148		6.90	27.1	
n-Butylbenzene	10.5		"	10.0		105	67.2-123		0.383	19.1	
n-Propylbenzene	10.6		"	10.0		106	70.5-127		4.84	23.4	
o-Xylene	9.91		"	10.0		99.1	75.9-122		2.14	19.3	



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

**York Analytical Laboratories, Inc.**

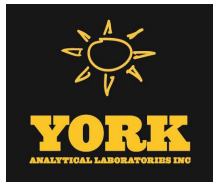
Analyte	Result	Reporting	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit								Limit	

**Batch BD31067 - EPA 5030B**

**LCS Dup (BD31067-BSD1)**

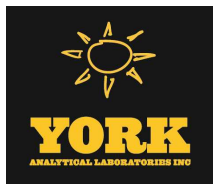
Prepared & Analyzed: 04/23/2013

p- & m- Xylenes	20.3		ug/L	20.0		101	77.7-127		0.991	18.6	
p-Isopropyltoluene	10.8		"	10.0		108	75.6-129		2.71	19.1	
sec-Butylbenzene	10.7		"	10.0		107	71.5-125		0.467	18.9	
Styrene	10.7		"	10.0		107	77.8-123		0.467	20.9	
tert-Butylbenzene	11.2		"	10.0		112	75.9-151		3.00	20.9	
Tetrachloroethylene	10.2		"	10.0		102	63.6-167		5.00	27.7	
Toluene	9.86		"	10.0		98.6	77-123		2.05	18.7	
trans-1,2-Dichloroethylene	8.68		"	10.0		86.8	76.3-139		3.62	19.5	
trans-1,3-Dichloropropylene	10.2		"	10.0		102	72.5-137		0.491	19.3	
Trichloroethylene	10.1		"	10.0		101	77.9-130		3.42	20.5	
Trichlorofluoromethane	7.53		"	10.0		75.3	57.4-133		2.36	21.4	
Vinyl Chloride	5.87		"	10.0		58.7	54.9-124		4.50	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.29</i>		<i>"</i>	<i>10.0</i>		<i>92.9</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.8</i>		<i>"</i>	<i>10.0</i>		<i>108</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>81.2-127</i>				



**Metals by EPA 6000 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc.**

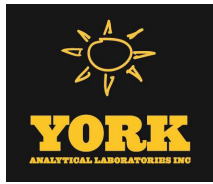
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD31111 - EPA 3010A</b>											
<b>Blank (BD31111-BLK1)</b>										Prepared & Analyzed: 04/23/2013	
Iron - Dissolved	ND	0.0200	mg/L								
<b>Duplicate (BD31111-DUP1)</b>										*Source sample: 13D0724-01 (WQ041613:1130NP2-10) Prepared & Analyzed: 04/23/2013	
Iron - Dissolved	0.0299	0.0200	mg/L		0.0287				4.11	20	
<b>Matrix Spike (BD31111-MS1)</b>										*Source sample: 13D0724-01 (WQ041613:1130NP2-10) Prepared & Analyzed: 04/23/2013	
Iron - Dissolved	1.09	0.0200	mg/L	1.00	0.0287	106	75-125				
<b>Reference (BD31111-SRM1)</b>										Prepared & Analyzed: 04/23/2013	
Iron - Dissolved	0.482	0.0200	mg/L	0.462		104	87.9-114				



**Metals by EPA 200 Series Methods - Quality Control Data**

**York Analytical Laboratories, Inc.**

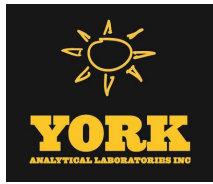
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD31112 - EPA 3010A</b>											
<b>Blank (BD31112-BLK1)</b>								Prepared & Analyzed: 04/23/2013			
Iron	ND	0.0200	mg/L								
<b>Duplicate (BD31112-DUP1)</b>								*Source sample: 13D0724-01 (WQ041613:1130NP2-10) Prepared & Analyzed: 04/23/2013			
Iron	14.6	0.0200	mg/L		14.8				1.16	20	
<b>Matrix Spike (BD31112-MS1)</b>								*Source sample: 13D0724-01 (WQ041613:1130NP2-10) Prepared & Analyzed: 04/23/2013			
Iron	15.6	0.0200	mg/L	1.00	14.8	88.6	75-125				
<b>Reference (BD31112-SRM1)</b>								Prepared & Analyzed: 04/23/2013			
Iron	0.472	0.0200	mg/L	0.462		102	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
<b>Batch BD31096 - % Solids Prep</b>											
<b>Blank (BD31096-BLK1)</b>											
						Prepared: 04/23/2013 Analyzed: 04/24/2013					
Total Dissolved Solids	ND	1.00	mg/L								
<b>Duplicate (BD31096-DUP1)</b>											
*Source sample: 13D0724-01 (WQ041613:1130NP2-10)						Prepared: 04/23/2013 Analyzed: 04/24/2013					
Total Dissolved Solids	122	1.00	mg/L		126				3.23	15	



## Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13D0722-01	WQ041613:1120NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0722-02	WQ041613:1125NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0724-01	WQ041613:1130NP2-10	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.
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.

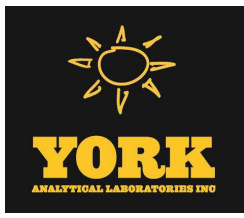


# Field Chain-of-Custody Record

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. 13D0724

<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 Sander</u> E-Mail Address: <u>TSander@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> Name: <u>Rewe 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 <input checked="" type="checkbox"/> <u>pdf</u> Summary w/ QA Summary <input checked="" type="checkbox"/> <u>pdf</u> CT RCP Package <input type="checkbox"/> CIRCP DQADUE Pkg <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input type="checkbox"/> <u>to only</u> NIDEP Red. Deliv. <input type="checkbox"/> <u>pdf</u> Electronic Data Deliverables (EDD) <input type="checkbox"/>	
<b>Matrix Codes</b> S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		<b>Volatiles</b> 8260 full TICs 624 Site Spec STARS list Nassau Co. BTEX Suffolc Co. MTBE Ketones TCL list Oxygenates TAGM list TCLP list CT RCP list 524.2 Arom. only 502.2 Halog. only NIDEP list App. IX list SFLP or TCLP 8021B list		<b>Metals</b> RCRA8 PP13 list TAL CT15 list TAGM list NIDEP list Total Dissolved SFLP or TCLP Air VPH Inert Metals LIST Below Helium		<b>Misc. Org.</b> TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS SFLP or TCLP Chloroform Methane Helium		<b>Full Lists</b> Phi. Poll. TCL Ognats TAL MeCN Full TCLP Full App. IX Part 360 Releas Heteroatpols Part 360 Releas TOX Part 360 Releas BTUdb. Part 360 Releas Aquatic Tox NYCEP Score TOC NYCEP Score TOC NYCEP Score Asbestos Silica		<b>Container Description(s)</b> <u>3v 2r</u> <u>3v 2r</u> <u>3v 3r</u>	
<b>Choose Analyses Needed from the Menu Above and Enter Below</b> Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010) / VOCs, 8260 List (EPA SW 845-8260) plus from 113 ↓ Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010) / VOCs 8260 List (EPA SW 845-8260) plus from 113 / TDS (SH 2540c)											
<b>Sample Matrix</b> GW GW GW		<b>Date Sampled</b> 4/16/13 1120 1125 1130		<b>Sample Identification</b> WQ041613-1120NF2-10 WQ041613-1125NF2-7 WQ041613-1130NF2-10		<b>Comments</b> Preservation <input checked="" type="checkbox"/> Frozen Check those Applicable: HCl <input checked="" type="checkbox"/> MeOH <input checked="" type="checkbox"/> HNO <sub>3</sub> <input checked="" type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> Special: Ascorbic Acid Instructions: _____ Field Filled <input type="checkbox"/> Lab to Filler <input type="checkbox"/>		<b>Temperature on Receipt</b> 4.2 °C			
<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>		Samples Collected/Authorized By (Signature)  STEPHEN HNAT Name (printed)		Samples Relinquished By: _____ Date/Time: _____ Samples Relinquished By: _____ Date/Time: _____ Samples Received By: <u>Cherie</u> Date/Time: <u>4-19-13 8:25</u> Samples Received By: <u>Cherie</u> Date/Time: <u>4/19/13-1530</u>		Samples Received in LAB by: _____ Date/Time: _____					



# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 05/01/2013

**Client Project ID: ROWE INDUSTRIES**

York Project (SDG) No.: 13D0928

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 05/01/2013  
Client Project ID: ROWE INDUSTRIES  
York Project (SDG) No.: 13D0928

**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 April 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>
13D0928-01	WQ042213:1530NP2-6	Water	04/22/2013	04/25/2013
13D0928-02	WQ042213:1535NP2-7	Water	04/22/2013	04/25/2013
13D0929-01	WQ042213:1540NP2-10	Water	04/22/2013	04/25/2013

## General Notes for York Project (SDG) No.: 13D0928

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

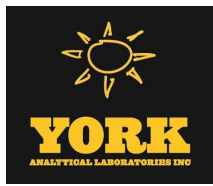
Approved By:



Benjamin Gulizia  
Laboratory Director

Date: 05/01/2013

**YORK**



### Sample Information

**Client Sample ID:** WQ042213:1530NP2-6

**York Sample ID:** 13D0928-01

York Project (SDG) No.  
13D0928

Client Project ID  
ROWE INDUSTRIES

Matrix  
Water

Collection Date/Time  
April 22, 2013 3:30 pm

Date Received  
04/25/2013

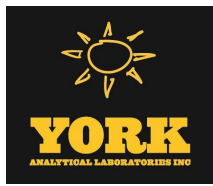
**Volatile Organics, 8260 List - Low Level**

**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	04/29/2013 09:39	04/29/2013 11:30	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	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	04/29/2013 09:39	04/29/2013 11:30	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS



### Sample Information

**Client Sample ID:** WQ042213:1530NP2-6

**York Sample ID:** 13D0928-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0928

ROWE INDUSTRIES

Water

April 22, 2013 3:30 pm

04/25/2013

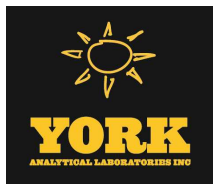
**Volatile Organics, 8260 List - Low Level**

**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
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
75-09-2	Methylene chloride	<b>2.0</b>	B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
127-18-4	Tetrachloroethylene	<b>0.69</b>		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 11:30	SS



Sample Information

Client Sample ID: WQ042213:1530NP2-6

York Sample ID: 13D0928-01

York Project (SDG) No. 13D0928 Client Project ID ROWE INDUSTRIES Matrix Water Collection Date/Time April 22, 2013 3:30 pm Date Received 04/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Surrogate Recoveries (17060-07-0, 460-00-4, 2037-26-5).

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

Table with columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes row for Iron (CAS No. 7439-89-6).

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

Table with columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes row for Iron (CAS No. 7439-89-6).

Sample Information

Client Sample ID: WQ042213:1535NP2-7

York Sample ID: 13D0928-02

York Project (SDG) No. 13D0928 Client Project ID ROWE INDUSTRIES Matrix Water Collection Date/Time April 22, 2013 3:35 pm Date Received 04/25/2013

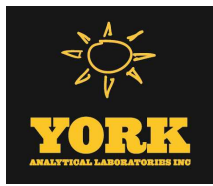
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for various volatile organics (630-20-6, 71-55-6, 79-34-5, 76-13-1, 79-00-5, 75-34-3, 75-35-4, 563-58-6, 87-61-6, 96-18-4, 120-82-1, 95-63-6).



### Sample Information

**Client Sample ID:** WQ042213:1535NP2-7

**York Sample ID:** 13D0928-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0928

ROWE INDUSTRIES

Water

April 22, 2013 3:35 pm

04/25/2013

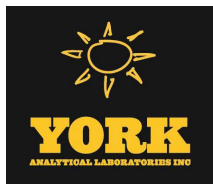
**Volatile Organics, 8260 List - Low Level**

**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
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
108-90-7	Chlorobenzene	<b>0.11</b>	J	ug/L	0.063	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS



### Sample Information

**Client Sample ID:** WQ042213:1535NP2-7

**York Sample ID:** 13D0928-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0928

ROWE INDUSTRIES

Water

April 22, 2013 3:35 pm

04/25/2013

**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
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
75-09-2	Methylene chloride	2.5	B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/29/2013 09:39	04/29/2013 12:06	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.8 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	124 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	103 %	81.2-127								

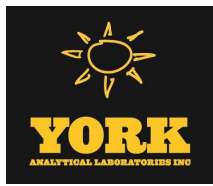
**Iron, Dissolved by EPA 6010**

**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	0.0285		mg/L	0.0100	0.0200	1	EPA SW846-6010B	04/29/2013 16:10	04/29/2013 18:51	MW



### Sample Information

**Client Sample ID:** WQ042213:1535NP2-7

**York Sample ID:** 13D0928-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0928

ROWE INDUSTRIES

Water

April 22, 2013 3:35 pm

04/25/2013

**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	0.350		mg/L	0.0100	0.0200	1	EPA 200.7	04/29/2013 16:13	04/29/2013 19:48	MW

### Sample Information

**Client Sample ID:** WQ042213:1540NP2-10

**York Sample ID:** 13D0929-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0929

ROWE INDUSTRIES

Water

April 22, 2013 3:40 pm

04/25/2013

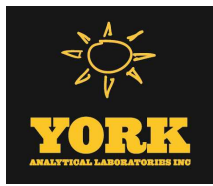
**Volatile Organics, 8260 List - Low Level**

**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	04/30/2013 10:50	04/30/2013 12:52	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	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	04/30/2013 10:50	04/30/2013 12:52	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS



### Sample Information

**Client Sample ID:** WQ042213:1540NP2-10

**York Sample ID:** 13D0929-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0929

ROWE INDUSTRIES

Water

April 22, 2013 3:40 pm

04/25/2013

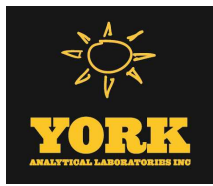
**Volatile Organics, 8260 List - Low Level**

**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
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
75-09-2	Methylene chloride	2.4	B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS



### Sample Information

**Client Sample ID:** WQ042213:1540NP2-10

**York Sample ID:** 13D0929-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0929

ROWE INDUSTRIES

Water

April 22, 2013 3:40 pm

04/25/2013

**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
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/30/2013 10:50	04/30/2013 12:52	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	124 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	104 %			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>0.0673</b>		mg/L	0.0100	0.0200	1	EPA SW846-6010B	04/29/2013 16:10	04/29/2013 18:56	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>0.622</b>		mg/L	0.0100	0.0200	1	EPA 200.7	04/29/2013 16:13	04/29/2013 19:53	MW

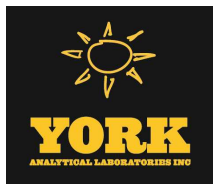
**Total Dissolved Solids**

**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	<b>118</b>		mg/L	1.00	1.00	1	SM 2540C	04/29/2013 08:13	04/29/2013 08:13	ALD



## Analytical Batch Summary

**Batch ID:** BD31299      **Preparation Method:** % Solids Prep      **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13D0929-01	WQ042213:1540NP2-10	04/29/13
BD31299-BLK1	Blank	04/29/13
BD31299-DUP1	Duplicate	04/29/13

**Batch ID:** BD31332      **Preparation Method:** EPA 5030B      **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13D0928-01	WQ042213:1530NP2-6	04/29/13
13D0928-02	WQ042213:1535NP2-7	04/29/13
BD31332-BLK1	Blank	04/29/13
BD31332-BS1	LCS	04/29/13
BD31332-BSD1	LCS Dup	04/29/13

**Batch ID:** BD31368      **Preparation Method:** EPA 3010A      **Prepared By:** MW

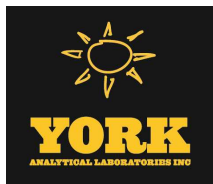
YORK Sample ID	Client Sample ID	Preparation Date
13D0928-01	WQ042213:1530NP2-6	04/29/13
13D0928-02	WQ042213:1535NP2-7	04/29/13
13D0929-01	WQ042213:1540NP2-10	04/29/13
BD31368-BLK1	Blank	04/29/13
BD31368-DUP1	Duplicate	04/29/13
BD31368-MS1	Matrix Spike	04/29/13
BD31368-SRM1	Reference	04/29/13

**Batch ID:** BD31369      **Preparation Method:** EPA 3010A      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13D0928-01	WQ042213:1530NP2-6	04/29/13
13D0928-02	WQ042213:1535NP2-7	04/29/13
13D0929-01	WQ042213:1540NP2-10	04/29/13
BD31369-BLK1	Blank	04/29/13
BD31369-DUP1	Duplicate	04/29/13
BD31369-MS1	Matrix Spike	04/29/13
BD31369-SRM1	Reference	04/29/13

**Batch ID:** BD31393      **Preparation Method:** EPA 5030B      **Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13D0929-01	WQ042213:1540NP2-10	04/30/13
BD31393-BLK1	Blank	04/30/13
BD31393-BS1	LCS	04/30/13
BD31393-BSD1	LCS Dup	04/30/13



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

York Analytical Laboratories, Inc.

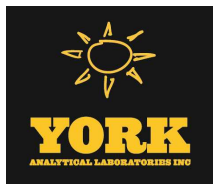
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD31332 - EPA 5030B

Blank (BD31332-BLK1)

Prepared & Analyzed: 04/29/2013

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	1.5	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	1.1	2.0	"								
Naphthalene	0.64	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	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 BD31332 - EPA 5030B

Blank (BD31332-BLK1)

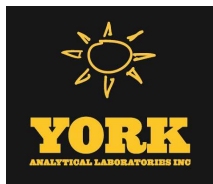
Prepared & Analyzed: 04/29/2013

p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.49		"	10.0		94.9	72.6-129				
<i>Surrogate: p-Bromofluorobenzene</i>	12.3		"	10.0		123	63.5-145				
<i>Surrogate: Toluene-d8</i>	9.80		"	10.0		98.0	81.2-127				

LCS (BD31332-BS1)

Prepared & Analyzed: 04/29/2013

1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82.3-130				
1,1,1-Trichloroethane	10.2		"	10.0		102	75.6-137				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	71.1-129				
1,1,2-Trichloroethane	10.1		"	10.0		101	74.5-129				
1,1-Dichloroethane	10.5		"	10.0		105	79.6-132				
1,1-Dichloroethylene	10.3		"	10.0		103	80.2-146				
1,1-Dichloropropylene	9.64		"	10.0		96.4	75-136				
1,2,3-Trichlorobenzene	9.63		"	10.0		96.3	66.1-136				
1,2,3-Trichloropropane	11.4		"	10.0		114	63-131				
1,2,4-Trichlorobenzene	9.91		"	10.0		99.1	70.6-136				
1,2,4-Trimethylbenzene	9.98		"	10.0		99.8	75.3-135				
1,2-Dibromo-3-chloropropane	13.4		"	10.0		134	58.9-140				
1,2-Dibromoethane	10.2		"	10.0		102	79-130				
1,2-Dichlorobenzene	9.82		"	10.0		98.2	76.1-122				
1,2-Dichloroethane	10.0		"	10.0		100	74.6-132				
1,2-Dichloropropane	10.1		"	10.0		101	76.9-129				
1,3,5-Trimethylbenzene	10.5		"	10.0		105	70.6-127				
1,3-Dichlorobenzene	10.1		"	10.0		101	77-124				
1,3-Dichloropropane	9.99		"	10.0		99.9	75.8-126				
1,4-Dichlorobenzene	10.0		"	10.0		100	76.6-125				
2,2-Dichloropropane	10.8		"	10.0		108	69-133				
2-Chlorotoluene	9.80		"	10.0		98.0	66.3-119				
2-Hexanone	9.26		"	10.0		92.6	70-130				
4-Chlorotoluene	10.2		"	10.0		102	69.2-127				
Acetone	9.71		"	10.0		97.1	70-130				
Benzene	10.4		"	10.0		104	76.2-129				
Bromobenzene	10.6		"	10.0		106	71.3-123				
Bromochloromethane	10.6		"	10.0		106	70.8-137				
Bromodichloromethane	10.5		"	10.0		105	79.7-134				
Bromoform	11.2		"	10.0		112	70.5-141				
Bromomethane	7.91		"	10.0		79.1	43.9-147				
Carbon tetrachloride	10.3		"	10.0		103	78.1-138				
Chlorobenzene	9.86		"	10.0		98.6	80.4-125				



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

**York Analytical Laboratories, Inc.**

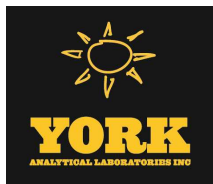
Analyte	Result	Reporting	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit								Limit	

**Batch BD31332 - EPA 5030B**

**LCS (BD31332-BS1)**

Prepared & Analyzed: 04/29/2013

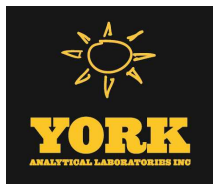
Chloroethane	10.7		ug/L	10.0		107	55.8-140				
Chloroform	10.2		"	10.0		102	76.6-133				
Chloromethane	8.96		"	10.0		89.6	48.8-115				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	75.1-128				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	74.5-128				
Dibromochloromethane	10.8		"	10.0		108	79.8-134				
Dibromomethane	11.9		"	10.0		119	79-130				
Dichlorodifluoromethane	9.88		"	10.0		98.8	47.1-101				
Ethyl Benzene	9.86		"	10.0		98.6	80.8-128				
Hexachlorobutadiene	9.50		"	10.0		95.0	64.8-128				
Isopropylbenzene	10.1		"	10.0		101	75.5-135				
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	65.1-140				
Methylene chloride	11.1		"	10.0		111	61.3-120				
Naphthalene	9.79		"	10.0		97.9	62.3-148				
n-Butylbenzene	9.67		"	10.0		96.7	67.2-123				
n-Propylbenzene	10.1		"	10.0		101	70.5-127				
o-Xylene	9.45		"	10.0		94.5	75.9-122				
p- & m- Xylenes	19.4		"	20.0		97.0	77.7-127				
p-Isopropyltoluene	10.3		"	10.0		103	75.6-129				
sec-Butylbenzene	10.4		"	10.0		104	71.5-125				
Styrene	9.53		"	10.0		95.3	77.8-123				
tert-Butylbenzene	10.5		"	10.0		105	75.9-151				
Tetrachloroethylene	9.72		"	10.0		97.2	63.6-167				
Toluene	9.55		"	10.0		95.5	77-123				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	76.3-139				
trans-1,3-Dichloropropylene	10.0		"	10.0		100	72.5-137				
Trichloroethylene	9.98		"	10.0		99.8	77.9-130				
Trichlorofluoromethane	10.4		"	10.0		104	57.4-133				
Vinyl Chloride	9.95		"	10.0		99.5	54.9-124				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.86</i>		<i>"</i>	<i>10.0</i>		<i>98.6</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.89</i>		<i>"</i>	<i>10.0</i>		<i>98.9</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 BD31332 - EPA 5030B</b>											
<b>LCS Dup (BD31332-BSD1)</b>											
Prepared & Analyzed: 04/29/2013											
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82.3-130		2.88	21.1	
1,1,1-Trichloroethane	10.4		"	10.0		104	75.6-137		1.55	19.7	
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	71.3-131		0.582	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	71.1-129		4.56	21.7	
1,1,2-Trichloroethane	10.4		"	10.0		104	74.5-129		2.84	20.3	
1,1-Dichloroethane	10.0		"	10.0		100	79.6-132		4.97	20.6	
1,1-Dichloroethylene	10.0		"	10.0		100	80.2-146		2.75	20	
1,1-Dichloropropylene	9.49		"	10.0		94.9	75-136		1.57	19.3	
1,2,3-Trichlorobenzene	10.7		"	10.0		107	66.1-136		10.6	21.6	
1,2,3-Trichloropropane	11.4		"	10.0		114	63-131		0.701	23.9	
1,2,4-Trichlorobenzene	10.4		"	10.0		104	70.6-136		5.30	21.7	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	75.3-135		2.08	18.8	
1,2-Dibromo-3-chloropropane	13.4		"	10.0		134	58.9-140		0.150	27.7	
1,2-Dibromoethane	10.1		"	10.0		101	79-130		1.67	23	
1,2-Dichlorobenzene	10.3		"	10.0		103	76.1-122		4.97	19.8	
1,2-Dichloroethane	9.68		"	10.0		96.8	74.6-132		3.75	20.2	
1,2-Dichloropropane	10.3		"	10.0		103	76.9-129		1.47	20.7	
1,3,5-Trimethylbenzene	10.9		"	10.0		109	70.6-127		3.36	18.9	
1,3-Dichlorobenzene	10.6		"	10.0		106	77-124		5.13	19.2	
1,3-Dichloropropane	10.2		"	10.0		102	75.8-126		1.98	22.1	
1,4-Dichlorobenzene	10.2		"	10.0		102	76.6-125		2.27	18.6	
2,2-Dichloropropane	10.2		"	10.0		102	69-133		5.14	19.8	
2-Chlorotoluene	10.3		"	10.0		103	66.3-119		5.17	21.6	
2-Hexanone	10.7		"	10.0		107	70-130		14.2	30	
4-Chlorotoluene	10.9		"	10.0		109	69.2-127		5.97	19	
Acetone	8.28		"	10.0		82.8	70-130		15.9	30	
Benzene	9.76		"	10.0		97.6	76.2-129		5.96	19	
Bromobenzene	11.3		"	10.0		113	71.3-123		5.94	20.3	
Bromochloromethane	9.91		"	10.0		99.1	70.8-137		6.54	23.9	
Bromodichloromethane	10.9		"	10.0		109	79.7-134		3.18	21	
Bromoform	11.4		"	10.0		114	70.5-141		1.95	21.8	
Bromomethane	8.05		"	10.0		80.5	43.9-147		1.75	28.4	
Carbon tetrachloride	10.3		"	10.0		103	78.1-138		0.0968	20.1	
Chlorobenzene	10.3		"	10.0		103	80.4-125		4.17	19.9	
Chloroethane	10.0		"	10.0		100	55.8-140		6.58	23.3	
Chloroform	9.99		"	10.0		99.9	76.6-133		2.47	20.3	
Chloromethane	8.67		"	10.0		86.7	48.8-115		3.29	24.5	
cis-1,2-Dichloroethylene	9.76		"	10.0		97.6	75.1-128		3.23	20.5	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	74.5-128		2.52	19.9	
Dibromochloromethane	11.0		"	10.0		110	79.8-134		2.29	21.3	
Dibromomethane	12.2		"	10.0		122	79-130		2.24	22.4	
Dichlorodifluoromethane	9.56		"	10.0		95.6	47.1-101		3.29	23.9	
Ethyl Benzene	10.5		"	10.0		105	80.8-128		6.57	19.2	
Hexachlorobutadiene	10.8		"	10.0		108	64.8-128		12.8	20.6	
Isopropylbenzene	10.6		"	10.0		106	75.5-135		5.12	20	
Methyl tert-butyl ether (MTBE)	9.75		"	10.0		97.5	65.1-140		9.57	23.6	
Methylene chloride	10.6		"	10.0		106	61.3-120		4.60	20.4	
Naphthalene	10.3		"	10.0		103	62.3-148		4.88	27.1	
n-Butylbenzene	10.4		"	10.0		104	67.2-123		7.37	19.1	
n-Propylbenzene	10.7		"	10.0		107	70.5-127		5.58	23.4	
o-Xylene	9.94		"	10.0		99.4	75.9-122		5.05	19.3	



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD31332 - EPA 5030B**

**LCS Dup (BD31332-BSD1)**

Prepared & Analyzed: 04/29/2013

p- & m- Xylenes	20.4		ug/L	20.0		102	77.7-127		4.88	18.6	
p-Isopropyltoluene	10.7		"	10.0		107	75.6-129		4.19	19.1	
sec-Butylbenzene	10.9		"	10.0		109	71.5-125		4.89	18.9	
Styrene	9.29		"	10.0		92.9	77.8-123		2.55	20.9	
tert-Butylbenzene	11.3		"	10.0		113	75.9-151		7.53	20.9	
Tetrachloroethylene	9.92		"	10.0		99.2	63.6-167		2.04	27.7	
Toluene	10.2		"	10.0		102	77-123		7.07	18.7	
trans-1,2-Dichloroethylene	10.0		"	10.0		100	76.3-139		1.19	19.5	
trans-1,3-Dichloropropylene	10.0		"	10.0		100	72.5-137		0.00	19.3	
Trichloroethylene	10.7		"	10.0		107	77.9-130		6.68	20.5	
Trichlorofluoromethane	9.87		"	10.0		98.7	57.4-133		5.04	21.4	
Vinyl Chloride	9.95		"	10.0		99.5	54.9-124		0.00	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.53		"	10.0		95.3	72.6-129				
<i>Surrogate: p-Bromofluorobenzene</i>	10.8		"	10.0		108	63.5-145				
<i>Surrogate: Toluene-d8</i>	10.0		"	10.0		100	81.2-127				

**Batch BD31393 - EPA 5030B**

**Blank (BD31393-BLK1)**

Prepared & Analyzed: 04/30/2013

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	"								



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

**York Analytical Laboratories, Inc.**

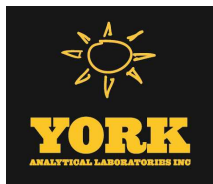
Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit								Limit			

**Batch BD31393 - EPA 5030B**

**Blank (BD31393-BLK1)**

Prepared & Analyzed: 04/30/2013

Chlorobenzene	ND	0.50	ug/L										
Chloroethane	ND	0.50	"										
Chloroform	ND	0.50	"										
Chloromethane	ND	0.50	"										
cis-1,2-Dichloroethylene	ND	0.50	"										
cis-1,3-Dichloropropylene	ND	0.50	"										
Dibromochloromethane	ND	0.50	"										
Dibromomethane	ND	0.50	"										
Dichlorodifluoromethane	ND	0.50	"										
Ethyl Benzene	ND	0.50	"										
Hexachlorobutadiene	ND	0.50	"										
Isopropylbenzene	ND	0.50	"										
Methyl tert-butyl ether (MTBE)	ND	0.50	"										
Methylene chloride	1.7	2.0	"										
Naphthalene	ND	2.0	"										
n-Butylbenzene	ND	0.50	"										
n-Propylbenzene	ND	0.50	"										
o-Xylene	ND	0.50	"										
p- & m- Xylenes	ND	1.0	"										
p-Isopropyltoluene	ND	0.50	"										
sec-Butylbenzene	ND	0.50	"										
Styrene	ND	0.50	"										
tert-Butylbenzene	ND	0.50	"										
Tetrachloroethylene	ND	0.50	"										
Toluene	ND	0.50	"										
trans-1,2-Dichloroethylene	ND	0.50	"										
trans-1,3-Dichloropropylene	ND	0.50	"										
Trichloroethylene	ND	0.50	"										
Trichlorofluoromethane	ND	0.50	"										
Vinyl Chloride	ND	0.50	"										
Xylenes, Total	ND	1.5	"										
<hr/>													
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>72.6-129</i>						
<i>Surrogate: p-Bromofluorobenzene</i>	<i>12.4</i>		<i>"</i>	<i>10.0</i>		<i>124</i>	<i>63.5-145</i>						
<i>Surrogate: Toluene-d8</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>81.2-127</i>						



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

York Analytical Laboratories, Inc.

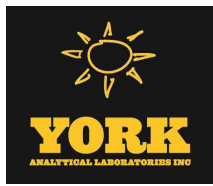
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD31393 - EPA 5030B

LCS (BD31393-BS1)

Prepared & Analyzed: 04/30/2013

1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82.3-130				
1,1,1-Trichloroethane	10.2		"	10.0		102	75.6-137				
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.33		"	10.0		93.3	71.1-129				
1,1,2-Trichloroethane	10.2		"	10.0		102	74.5-129				
1,1-Dichloroethane	10.4		"	10.0		104	79.6-132				
1,1-Dichloroethylene	9.57		"	10.0		95.7	80.2-146				
1,1-Dichloropropylene	9.78		"	10.0		97.8	75-136				
1,2,3-Trichlorobenzene	10.2		"	10.0		102	66.1-136				
1,2,3-Trichloropropane	12.1		"	10.0		121	63-131				
1,2,4-Trichlorobenzene	9.76		"	10.0		97.6	70.6-136				
1,2,4-Trimethylbenzene	11.2		"	10.0		112	75.3-135				
1,2-Dibromo-3-chloropropane	13.2		"	10.0		132	58.9-140				
1,2-Dibromoethane	10.7		"	10.0		107	79-130				
1,2-Dichlorobenzene	9.94		"	10.0		99.4	76.1-122				
1,2-Dichloroethane	10.7		"	10.0		107	74.6-132				
1,2-Dichloropropane	9.85		"	10.0		98.5	76.9-129				
1,3,5-Trimethylbenzene	11.0		"	10.0		110	70.6-127				
1,3-Dichlorobenzene	10.4		"	10.0		104	77-124				
1,3-Dichloropropane	10.1		"	10.0		101	75.8-126				
1,4-Dichlorobenzene	10.1		"	10.0		101	76.6-125				
2,2-Dichloropropane	10.7		"	10.0		107	69-133				
2-Chlorotoluene	10.6		"	10.0		106	66.3-119				
2-Hexanone	10.0		"	10.0		100	70-130				
4-Chlorotoluene	11.2		"	10.0		112	69.2-127				
Acetone	7.84		"	10.0		78.4	70-130				
Benzene	10.5		"	10.0		105	76.2-129				
Bromobenzene	11.0		"	10.0		110	71.3-123				
Bromochloromethane	11.3		"	10.0		113	70.8-137				
Bromodichloromethane	10.3		"	10.0		103	79.7-134				
Bromoform	10.1		"	10.0		101	70.5-141				
Bromomethane	3.97		"	10.0		39.7	43.9-147	Low Bias			
Carbon tetrachloride	10.0		"	10.0		100	78.1-138				
Chlorobenzene	9.97		"	10.0		99.7	80.4-125				
Chloroethane	8.04		"	10.0		80.4	55.8-140				
Chloroform	10.7		"	10.0		107	76.6-133				
Chloromethane	3.84		"	10.0		38.4	48.8-115	Low Bias			
cis-1,2-Dichloroethylene	10.6		"	10.0		106	75.1-128				
cis-1,3-Dichloropropylene	10.1		"	10.0		101	74.5-128				
Dibromochloromethane	10.7		"	10.0		107	79.8-134				
Dibromomethane	11.2		"	10.0		112	79-130				
Dichlorodifluoromethane	2.13		"	10.0		21.3	47.1-101	Low Bias			
Ethyl Benzene	10.4		"	10.0		104	80.8-128				
Hexachlorobutadiene	10.2		"	10.0		102	64.8-128				
Isopropylbenzene	10.9		"	10.0		109	75.5-135				
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	65.1-140				
Methylene chloride	11.6		"	10.0		116	61.3-120				
Naphthalene	9.49		"	10.0		94.9	62.3-148				
n-Butylbenzene	10.8		"	10.0		108	67.2-123				
n-Propylbenzene	10.9		"	10.0		109	70.5-127				
o-Xylene	9.90		"	10.0		99.0	75.9-122				



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 BD31393 - EPA 5030B

LCS (BD31393-BS1)

Prepared & Analyzed: 04/30/2013

p- & m- Xylenes	20.8		ug/L	20.0		104	77.7-127				
p-Isopropyltoluene	10.8		"	10.0		108	75.6-129				
sec-Butylbenzene	11.0		"	10.0		110	71.5-125				
Styrene	10.0		"	10.0		100	77.8-123				
tert-Butylbenzene	11.1		"	10.0		111	75.9-151				
Tetrachloroethylene	9.80		"	10.0		98.0	63.6-167				
Toluene	10.2		"	10.0		102	77-123				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	76.3-139				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	72.5-137				
Trichloroethylene	10.3		"	10.0		103	77.9-130				
Trichlorofluoromethane	7.92		"	10.0		79.2	57.4-133				
Vinyl Chloride	5.40		"	10.0		54.0	54.9-124	Low Bias			
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	72.6-129				
Surrogate: p-Bromofluorobenzene	10.7		"	10.0		107	63.5-145				
Surrogate: Toluene-d8	10.2		"	10.0		102	81.2-127				

LCS Dup (BD31393-BSD1)

Prepared & Analyzed: 04/30/2013

1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82.3-130		2.97	21.1	
1,1,1-Trichloroethane	10.1		"	10.0		101	75.6-137		1.67	19.7	
1,1,2,2-Tetrachloroethane	10.9		"	10.0		109	71.3-131		2.04	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.12		"	10.0		91.2	71.1-129		2.28	21.7	
1,1,2-Trichloroethane	10.0		"	10.0		100	74.5-129		2.27	20.3	
1,1-Dichloroethane	10.0		"	10.0		100	79.6-132		3.72	20.6	
1,1-Dichloroethylene	9.01		"	10.0		90.1	80.2-146		6.03	20	
1,1-Dichloropropylene	9.94		"	10.0		99.4	75-136		1.62	19.3	
1,2,3-Trichlorobenzene	10.8		"	10.0		108	66.1-136		5.15	21.6	
1,2,3-Trichloropropane	14.2		"	10.0		142	63-131	High Bias	16.5	23.9	
1,2,4-Trichlorobenzene	10.8		"	10.0		108	70.6-136		10.4	21.7	
1,2,4-Trimethylbenzene	12.0		"	10.0		120	75.3-135		7.68	18.8	
1,2-Dibromo-3-chloropropane	14.4		"	10.0		144	58.9-140	High Bias	9.42	27.7	
1,2-Dibromoethane	10.1		"	10.0		101	79-130		5.97	23	
1,2-Dichlorobenzene	10.8		"	10.0		108	76.1-122		8.39	19.8	
1,2-Dichloroethane	9.92		"	10.0		99.2	74.6-132		7.75	20.2	
1,2-Dichloropropane	10.6		"	10.0		106	76.9-129		7.71	20.7	
1,3,5-Trimethylbenzene	11.9		"	10.0		119	70.6-127		8.15	18.9	
1,3-Dichlorobenzene	11.1		"	10.0		111	77-124		6.79	19.2	
1,3-Dichloropropane	10.0		"	10.0		100	75.8-126		0.695	22.1	
1,4-Dichlorobenzene	11.7		"	10.0		117	76.6-125		14.8	18.6	
2,2-Dichloropropane	10.3		"	10.0		103	69-133		3.61	19.8	
2-Chlorotoluene	12.0		"	10.0		120	66.3-119	High Bias	12.2	21.6	
2-Hexanone	10.9		"	10.0		109	70-130		8.41	30	
4-Chlorotoluene	12.6		"	10.0		126	69.2-127		11.5	19	
Acetone	7.39		"	10.0		73.9	70-130		5.91	30	
Benzene	10.1		"	10.0		101	76.2-129		4.47	19	
Bromobenzene	11.7		"	10.0		117	71.3-123		6.44	20.3	
Bromochloromethane	10.4		"	10.0		104	70.8-137		8.49	23.9	
Bromodichloromethane	10.5		"	10.0		105	79.7-134		2.50	21	
Bromoform	11.1		"	10.0		111	70.5-141		9.71	21.8	
Bromomethane	4.01		"	10.0		40.1	43.9-147	Low Bias	1.00	28.4	
Carbon tetrachloride	10.2		"	10.0		102	78.1-138		1.58	20.1	
Chlorobenzene	10.5		"	10.0		105	80.4-125		5.27	19.9	
Chloroethane	7.99		"	10.0		79.9	55.8-140		0.624	23.3	



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

York Analytical Laboratories, Inc.

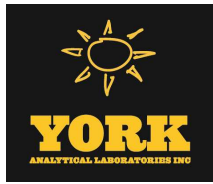
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD31393 - EPA 5030B

LCS Dup (BD31393-BSD1)

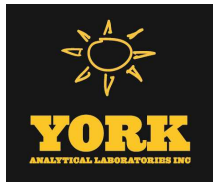
Prepared & Analyzed: 04/30/2013

Chloroform	10.5		ug/L	10.0		105	76.6-133		1.60	20.3	
Chloromethane	3.70		"	10.0		37.0	48.8-115	Low Bias	3.71	24.5	
cis-1,2-Dichloroethylene	9.97		"	10.0		99.7	75.1-128		5.94	20.5	
cis-1,3-Dichloropropylene	10.0		"	10.0		100	74.5-128		0.894	19.9	
Dibromochloromethane	11.3		"	10.0		113	79.8-134		5.18	21.3	
Dibromomethane	11.6		"	10.0		116	79-130		3.49	22.4	
Dichlorodifluoromethane	2.19		"	10.0		21.9	47.1-101	Low Bias	2.78	23.9	
Ethyl Benzene	10.9		"	10.0		109	80.8-128		4.69	19.2	
Hexachlorobutadiene	11.7		"	10.0		117	64.8-128		14.0	20.6	
Isopropylbenzene	11.9		"	10.0		119	75.5-135		8.86	20	
Methyl tert-butyl ether (MTBE)	9.23		"	10.0		92.3	65.1-140		8.51	23.6	
Methylene chloride	11.4		"	10.0		114	61.3-120		1.65	20.4	
Naphthalene	11.1		"	10.0		111	62.3-148		15.6	27.1	
n-Butylbenzene	12.1		"	10.0		121	67.2-123		11.5	19.1	
n-Propylbenzene	11.9		"	10.0		119	70.5-127		8.41	23.4	
o-Xylene	10.2		"	10.0		102	75.9-122		3.08	19.3	
p- & m- Xylenes	22.0		"	20.0		110	77.7-127		5.23	18.6	
p-Isopropyltoluene	12.1		"	10.0		121	75.6-129		11.1	19.1	
sec-Butylbenzene	12.6		"	10.0		126	71.5-125	High Bias	13.7	18.9	
Styrene	10.4		"	10.0		104	77.8-123		4.11	20.9	
tert-Butylbenzene	12.5		"	10.0		125	75.9-151		11.7	20.9	
Tetrachloroethylene	10.1		"	10.0		101	63.6-167		3.41	27.7	
Toluene	10.6		"	10.0		106	77-123		4.13	18.7	
trans-1,2-Dichloroethylene	9.51		"	10.0		95.1	76.3-139		5.92	19.5	
trans-1,3-Dichloropropylene	10.1		"	10.0		101	72.5-137		3.13	19.3	
Trichloroethylene	11.4		"	10.0		114	77.9-130		10.2	20.5	
Trichlorofluoromethane	7.99		"	10.0		79.9	57.4-133		0.880	21.4	
Vinyl Chloride	5.24		"	10.0		52.4	54.9-124	Low Bias	3.01	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.12</i>		<i>"</i>	<i>10.0</i>		<i>91.2</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>11.7</i>		<i>"</i>	<i>10.0</i>		<i>117</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>				



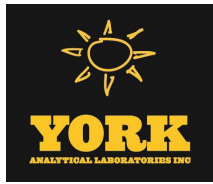
**Metals by EPA 6000 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD31368 - EPA 3010A</b>											
<b>Blank (BD31368-BLK1)</b>										Prepared & Analyzed: 04/29/2013	
Iron - Dissolved	ND	0.0200	mg/L								
<b>Duplicate (BD31368-DUP1)</b>										*Source sample: 13D0929-01 (WQ042213:1540NP2-10) Prepared & Analyzed: 04/29/2013	
Iron - Dissolved	0.0572	0.0200	mg/L		0.0673				16.2	20	
<b>Matrix Spike (BD31368-MS1)</b>										*Source sample: 13D0929-01 (WQ042213:1540NP2-10) Prepared & Analyzed: 04/29/2013	
Iron - Dissolved	1.11	0.0200	mg/L	1.00	0.0673	104	75-125				
<b>Reference (BD31368-SRM1)</b>										Prepared & Analyzed: 04/29/2013	
Iron - Dissolved	0.430	0.0200	mg/L	0.462		93.0	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 BD31369 - EPA 3010A</b>											
<b>Blank (BD31369-BLK1)</b>								Prepared & Analyzed: 04/29/2013			
Iron	ND	0.0200	mg/L								
<b>Duplicate (BD31369-DUP1)</b>								*Source sample: 13D0929-01 (WQ042213:1540NP2-10) Prepared & Analyzed: 04/29/2013			
Iron	0.629	0.0200	mg/L		0.622				1.11	20	
<b>Matrix Spike (BD31369-MS1)</b>								*Source sample: 13D0929-01 (WQ042213:1540NP2-10) Prepared & Analyzed: 04/29/2013			
Iron	1.66	0.0200	mg/L	1.00	0.622	103	75-125				
<b>Reference (BD31369-SRM1)</b>								Prepared & Analyzed: 04/29/2013			
Iron	0.426	0.0200	mg/L	0.462		92.3	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 BD31299 - % Solids Prep**

**Blank (BD31299-BLK1)**

Prepared & Analyzed: 04/29/2013

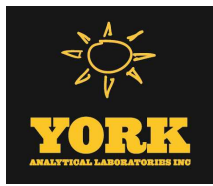
Total Dissolved Solids                      ND                      1.00                      mg/L

**Duplicate (BD31299-DUP1)**

\*Source sample: 13D0929-01 (WQ042213:1540NP2-10)

Prepared & Analyzed: 04/29/2013

Total Dissolved Solids                      112                      1.00                      mg/L                      118                      5.22                      15



## Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13D0928-01	WQ042213:1530NP2-6	250mL Plastic Cool to 4° C
13D0928-02	WQ042213:1535NP2-7	250mL Plastic Cool to 4° C
13D0929-01	WQ042213:1540NP2-10	250mL Plastic 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.

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

# Field Chain-of-Custody Record

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

Page 1 of 1

York Project No. BDO929

<b>YOUR Information</b> Company: <u>LBG</u> Address: <u>4 Research Dr. Suite 301 Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sandor</u> E-Mail Address: <u>TSandor@lbgi.com</u>		<b>Report To:</b> Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<b>Invoice To:</b> Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<b>YOUR Project ID</b> <u>Howe Industries</u> Purchase Order No. <u>NAG5AG</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, pdf</u> Summary w/ QA Summary <u>X, pdf</u> CT RCP Package _____ CT RCP DOA/DUE Pkg _____ NY ASP A Package _____ NY ASP B Package <u>NE2-10 only</u> , pdf. 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.

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

Volatiles: 8260 full TICs, 624 Site Spec, STARS list, Nassaw Co., BTEX, Sulfalk Co., Ketones, MTBE, Oxygenates, TAGM list, TCLP list, CT RCP list, Arom. only, Halog. only, App. IX list, 8021B list

Semi-Vols: 8270 & 625, STARS list, BN Only, PAH list, TAGM list, CT RCP list, TCLP list, Arom. only, Halog. only, App. IX list, 8021B list

Perf-Cartrich: 8082 PCB, 8081 Pest, 815 Herb, CT RCP, App. IX, Site Spec, SLP & TCLP Total, TCLP Pest, 524.2, 502.2, NUDEP list, App. IX, SLP & TCLP, 608 PCB

Metals: RCRA8, PP13 list, TAL, CT15 list, TAGM list, NUDEP list, Total, Dissolved, SLP & TCLP, TCLP Herb, Chloridane, 608 Pest, SLP & TCLP

Misc Org: TPH GRO, TPH DRO, CT BTPH, NY 310-13, TPH 1664, Air TO14A, Air TO15, Air STARS, SLP & TCLP, Air VPH, Ind. Meth, LIST Below

Full Lists: Full Poll., TCL Ognas, TAL-MACN, Full TCLP, Full App. IX, Pat 360-Ruize, Pat 360-Basine, Pat 360-Gen, Pat 360-Gen, NYDEP-Serv, NYDEP-Serv, NYDEP-Serv, NYDEP-Serv, TAGM

Misc: Cerrosivity, Reactivity, Ignitability, Flash Point, Site Anal., Hexanonyls, TOX, BTU/b, Aquatic Tox, TOC, NYDEP-Serv, NYDEP-Serv, NYDEP-Serv, Silicon

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ042213: 1530 NP2-6	4/22/13 1530	GW	Fe by EPA 800.7 Fe, Dissolved by EPA 6010 (SW 846-0100) / VOCs, 8260 List (EPA SW 846-8260b) plus from 113	3V 2P
WQ042213: 1535 NP2-7	4/22/13 1535	GW	Fe by EPA 800.7 Fe, Dissolved by EPA 6010 (SW 846-0100) / VOCs, 8260 List (EPA SW 846-8260b) plus from 113 / TDS (SH 2540 c)	3V 2P
WQ042213: 1540 NP2-10	4/22/13 1540	GW	Fe by EPA 800.7 Fe, Dissolved by EPA 6010 (SW 846-0100) / VOCs, 8260 List (EPA SW 846-8260b) plus from 113 / TDS (SH 2540 c)	3V 3P

Preservation:  4°C,  Frozen,  HCl,  MeOH,  HNO<sub>3</sub>,  H<sub>2</sub>O,  NaOH

Check those Applicable:  Ascorbic Acid,  Other

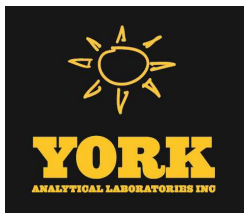
Special Instructions:  Field Filtered,  Lab to Filter

Comments: \_\_\_\_\_

Temperature on Receipt: 4.0 °C

Sample Received By: [Signature] Date/Time: 4/25/13 1415

Signature Received in LAB by: [Signature] Date/Time: \_\_\_\_\_



# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 05/08/2013

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 13E0058

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 05/08/2013  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 13E0058

**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 May 01, 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>
13E0058-01	WQ042913:1030NP2-6	Water	04/29/2013	05/01/2013
13E0058-02	WQ042913:1035NP2-7	Water	04/29/2013	05/01/2013
13E0059-01	WQ042913:1040NP2-10	Water	04/29/2013	05/01/2013

## General Notes for York Project (SDG) No.: 13E0058

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

Approved By:



Benjamin Gulizia  
Laboratory Director

Date: 05/08/2013

**YORK**



## Sample Information

**Client Sample ID:** WQ042913:1030NP2-6

**York Sample ID:** 13E0058-01

York Project (SDG) No.  
13E0058

Client Project ID  
Rowe Industries

Matrix  
Water

Collection Date/Time  
April 29, 2013 10:30 am

Date Received  
05/01/2013

**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	05/03/2013 10:45	05/06/2013 13:09	SS
71-55-6	1,1,1-Trichloroethane	0.57		ug/L	0.024	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	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	05/03/2013 10:45	05/06/2013 13:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
75-34-3	1,1-Dichloroethane	0.20	J	ug/L	0.044	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS



## Sample Information

**Client Sample ID:** WQ042913:1030NP2-6

**York Sample ID:** 13E0058-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13E0058

Rowe Industries

Water

April 29, 2013 10:30 am

05/01/2013

**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
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
67-66-3	Chloroform	<b>0.15</b>	J	ug/L	0.079	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
75-09-2	Methylene chloride	<b>0.69</b>	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
127-18-4	Tetrachloroethylene	<b>0.79</b>		ug/L	0.070	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:09	SS



### Sample Information

**Client Sample ID:** WQ042913:1030NP2-6

**York Sample ID:** 13E0058-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13E0058

Rowe Industries

Water

April 29, 2013 10:30 am

05/01/2013

#### 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
	<b>Surrogate Recoveries</b>	<b>Result</b>									
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	100 %			72.6	129					
460-00-4	Surrogate: p-Bromofluorobenzene	114 %			63.5	145					
2037-26-5	Surrogate: Toluene-d8	100 %			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	0.0221		mg/L	0.0100	0.0200	1	EPA SW846-6010B	05/02/2013 15:55	05/02/2013 18:06	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	1.08		mg/L	0.0100	0.0200	1	EPA 200.7	05/02/2013 10:18	05/02/2013 19:08	MW

### Sample Information

**Client Sample ID:** WQ042913:1035NP2-7

**York Sample ID:** 13E0058-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13E0058

Rowe Industries

Water

April 29, 2013 10:35 am

05/01/2013

#### 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	05/03/2013 10:45	05/06/2013 13:45	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	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	05/03/2013 10:45	05/06/2013 13:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS



### Sample Information

**Client Sample ID:** WQ042913:1035NP2-7

**York Sample ID:** 13E0058-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13E0058

Rowe Industries

Water

April 29, 2013 10:35 am

05/01/2013

**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
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS



### Sample Information

**Client Sample ID:** WQ042913:1035NP2-7

**York Sample ID:** 13E0058-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13E0058

Rowe Industries

Water

April 29, 2013 10:35 am

05/01/2013

**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
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
75-09-2	Methylene chloride	<b>0.86</b>	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	05/03/2013 10:45	05/06/2013 13:45	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	113 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	108 %	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	ND		mg/L	0.0100	0.0200	1	EPA SW846-6010B	05/02/2013 15:55	05/02/2013 18:11	MW



### Sample Information

**Client Sample ID:** WQ042913:1035NP2-7

**York Sample ID:** 13E0058-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13E0058

Rowe Industries

Water

April 29, 2013 10:35 am

05/01/2013

**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	0.720		mg/L	0.0100	0.0200	1	EPA 200.7	05/02/2013 10:18	05/02/2013 19:13	MW

### Sample Information

**Client Sample ID:** WQ042913:1040NP2-10

**York Sample ID:** 13E0059-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13E0059

Rowe Industries

Water

April 29, 2013 10:40 am

05/01/2013

**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	05/03/2013 10:35	05/04/2013 06:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	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	05/03/2013 10:35	05/04/2013 06:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS



## Sample Information

**Client Sample ID:** WQ042913:1040NP2-10

**York Sample ID:** 13E0059-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13E0059

Rowe Industries

Water

April 29, 2013 10:40 am

05/01/2013

**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
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
75-09-2	Methylene chloride	<b>0.69</b>	J	ug/L	0.26	2.0	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS



### Sample Information

**Client Sample ID:** WQ042913:1040NP2-10

**York Sample ID:** 13E0059-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13E0059

Rowe Industries

Water

April 29, 2013 10:40 am

05/01/2013

**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
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	05/03/2013 10:35	05/04/2013 06:46	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	111 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	106 %			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	0.0403		mg/L	0.0100	0.0200	1	EPA SW846-6010B	05/02/2013 15:55	05/02/2013 18:16	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	2.18		mg/L	0.0100	0.0200	1	EPA 200.7	05/02/2013 10:18	05/02/2013 19:18	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	107		mg/L	1.00	1.00	1	SM 2540C	05/03/2013 10:26	05/03/2013 10:26	ALD



## Analytical Batch Summary

**Batch ID:** BE30090      **Preparation Method:** EPA 3010A      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13E0058-01	WQ042913:1030NP2-6	05/02/13
13E0058-02	WQ042913:1035NP2-7	05/02/13
13E0059-01	WQ042913:1040NP2-10	05/02/13
BE30090-BLK1	Blank	05/02/13
BE30090-DUP1	Duplicate	05/02/13
BE30090-MS1	Matrix Spike	05/02/13
BE30090-SRM1	Reference	05/02/13

**Batch ID:** BE30114      **Preparation Method:** EPA 3010A      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13E0058-01	WQ042913:1030NP2-6	05/02/13
13E0058-02	WQ042913:1035NP2-7	05/02/13
13E0059-01	WQ042913:1040NP2-10	05/02/13
BE30114-BLK1	Blank	05/02/13
BE30114-DUP1	Duplicate	05/02/13
BE30114-MS1	Matrix Spike	05/02/13
BE30114-SRM1	Reference	05/02/13

**Batch ID:** BE30157      **Preparation Method:** % Solids Prep      **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13E0059-01	WQ042913:1040NP2-10	05/03/13
BE30157-BLK1	Blank	05/03/13
BE30157-DUP1	Duplicate	05/03/13

**Batch ID:** BE30161      **Preparation Method:** EPA 5030B      **Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13E0059-01	WQ042913:1040NP2-10	05/03/13
BE30161-BLK1	Blank	05/03/13
BE30161-BS1	LCS	05/03/13
BE30161-BSD1	LCS Dup	05/03/13

**Batch ID:** BE30199      **Preparation Method:** EPA 5030B      **Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13E0058-01	WQ042913:1030NP2-6	05/03/13
13E0058-02	WQ042913:1035NP2-7	05/03/13
BE30199-BLK1	Blank	05/06/13
BE30199-BS1	LCS	05/06/13
BE30199-BSD1	LCS Dup	05/06/13



**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 BE30161 - EPA 5030B**

**Blank (BE30161-BLK1)**

Prepared: 05/03/2013 Analyzed: 05/04/2013

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	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



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

**York Analytical Laboratories, Inc.**

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

**Batch BE30161 - EPA 5030B**

**Blank (BE30161-BLK1)**

Prepared: 05/03/2013 Analyzed: 05/04/2013

p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.60		"	10.0		96.0	72.6-129				
<i>Surrogate: p-Bromofluorobenzene</i>	12.2		"	10.0		122	63.5-145				
<i>Surrogate: Toluene-d8</i>	10.5		"	10.0		105	81.2-127				

**LCS (BE30161-BS1)**

Prepared & Analyzed: 05/03/2013

1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82.3-130				
1,1,1-Trichloroethane	10.2		"	10.0		102	75.6-137				
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.84		"	10.0		98.4	71.1-129				
1,1,2-Trichloroethane	10.4		"	10.0		104	74.5-129				
1,1-Dichloroethane	10.3		"	10.0		103	79.6-132				
1,1-Dichloroethylene	9.34		"	10.0		93.4	80.2-146				
1,1-Dichloropropylene	9.58		"	10.0		95.8	75-136				
1,2,3-Trichlorobenzene	9.58		"	10.0		95.8	66.1-136				
1,2,3-Trichloropropane	11.0		"	10.0		110	63-131				
1,2,4-Trichlorobenzene	9.69		"	10.0		96.9	70.6-136				
1,2,4-Trimethylbenzene	9.38		"	10.0		93.8	75.3-135				
1,2-Dibromo-3-chloropropane	11.2		"	10.0		112	58.9-140				
1,2-Dibromoethane	10.6		"	10.0		106	79-130				
1,2-Dichlorobenzene	9.60		"	10.0		96.0	76.1-122				
1,2-Dichloroethane	9.55		"	10.0		95.5	74.6-132				
1,2-Dichloropropane	9.92		"	10.0		99.2	76.9-129				
1,3,5-Trimethylbenzene	9.99		"	10.0		99.9	70.6-127				
1,3-Dichlorobenzene	9.63		"	10.0		96.3	77-124				
1,3-Dichloropropane	10.0		"	10.0		100	75.8-126				
1,4-Dichlorobenzene	10.0		"	10.0		100	76.6-125				
2,2-Dichloropropane	8.78		"	10.0		87.8	69-133				
2-Chlorotoluene	9.75		"	10.0		97.5	66.3-119				
2-Hexanone	10.1		"	10.0		101	70-130				
4-Chlorotoluene	10.7		"	10.0		107	69.2-127				
Acetone	9.35		"	10.0		93.5	70-130				
Benzene	10.0		"	10.0		100	76.2-129				
Bromobenzene	10.4		"	10.0		104	71.3-123				
Bromochloromethane	10.2		"	10.0		102	70.8-137				
Bromodichloromethane	10.6		"	10.0		106	79.7-134				
Bromoform	10.3		"	10.0		103	70.5-141				
Bromomethane	6.77		"	10.0		67.7	43.9-147				
Carbon tetrachloride	9.87		"	10.0		98.7	78.1-138				
Chlorobenzene	9.79		"	10.0		97.9	80.4-125				



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

York Analytical Laboratories, Inc.

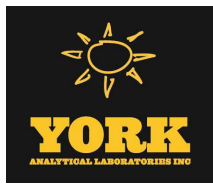
Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit			Result					Limit	

Batch BE30161 - EPA 5030B

LCS (BE30161-BS1)

Prepared & Analyzed: 05/03/2013

Chloroethane	9.14		ug/L	10.0		91.4	55.8-140				
Chloroform	10.2		"	10.0		102	76.6-133				
Chloromethane	6.07		"	10.0		60.7	48.8-115				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	75.1-128				
cis-1,3-Dichloropropylene	9.80		"	10.0		98.0	74.5-128				
Dibromochloromethane	10.6		"	10.0		106	79.8-134				
Dibromomethane	12.1		"	10.0		121	79-130				
Dichlorodifluoromethane	4.63		"	10.0		46.3	47.1-101	Low Bias			
Ethyl Benzene	10.1		"	10.0		101	80.8-128				
Hexachlorobutadiene	9.66		"	10.0		96.6	64.8-128				
Isopropylbenzene	10.4		"	10.0		104	75.5-135				
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	65.1-140				
Methylene chloride	10.0		"	10.0		100	61.3-120				
Naphthalene	9.14		"	10.0		91.4	62.3-148				
n-Butylbenzene	10.2		"	10.0		102	67.2-123				
n-Propylbenzene	10.4		"	10.0		104	70.5-127				
o-Xylene	9.64		"	10.0		96.4	75.9-122				
p- & m- Xylenes	19.8		"	20.0		98.8	77.7-127				
p-Isopropyltoluene	10.1		"	10.0		101	75.6-129				
sec-Butylbenzene	10.4		"	10.0		104	71.5-125				
Styrene	7.99		"	10.0		79.9	77.8-123				
tert-Butylbenzene	10.7		"	10.0		107	75.9-151				
Tetrachloroethylene	9.23		"	10.0		92.3	63.6-167				
Toluene	10.0		"	10.0		100	77-123				
trans-1,2-Dichloroethylene	9.42		"	10.0		94.2	76.3-139				
trans-1,3-Dichloropropylene	9.67		"	10.0		96.7	72.5-137				
Trichloroethylene	10.4		"	10.0		104	77.9-130				
Trichlorofluoromethane	8.78		"	10.0		87.8	57.4-133				
Vinyl Chloride	6.99		"	10.0		69.9	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	72.6-129				
Surrogate: p-Bromofluorobenzene	9.94		"	10.0		99.4	63.5-145				
Surrogate: Toluene-d8	10.3		"	10.0		103	81.2-127				



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 BE30161 - EPA 5030B</b>											
<b>LCS Dup (BE30161-BSD1)</b>											
Prepared & Analyzed: 05/03/2013											
1,1,1,2-Tetrachloroethane	11.3		ug/L	10.0		113	82.3-130		8.58	21.1	
1,1,1-Trichloroethane	10.1		"	10.0		101	75.6-137		1.09	19.7	
1,1,2,2-Tetrachloroethane	11.6		"	10.0		116	71.3-131		8.92	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	71.1-129		2.11	21.7	
1,1,2-Trichloroethane	10.3		"	10.0		103	74.5-129		0.771	20.3	
1,1-Dichloroethane	9.85		"	10.0		98.5	79.6-132		4.76	20.6	
1,1-Dichloroethylene	9.28		"	10.0		92.8	80.2-146		0.644	20	
1,1-Dichloropropylene	9.37		"	10.0		93.7	75-136		2.22	19.3	
1,2,3-Trichlorobenzene	9.53		"	10.0		95.3	66.1-136		0.523	21.6	
1,2,3-Trichloropropane	12.8		"	10.0		128	63-131		15.1	23.9	
1,2,4-Trichlorobenzene	10.4		"	10.0		104	70.6-136		6.78	21.7	
1,2,4-Trimethylbenzene	9.70		"	10.0		97.0	75.3-135		3.35	18.8	
1,2-Dibromo-3-chloropropane	11.2		"	10.0		112	58.9-140		0.535	27.7	
1,2-Dibromoethane	10.3		"	10.0		103	79-130		3.26	23	
1,2-Dichlorobenzene	10.4		"	10.0		104	76.1-122		8.38	19.8	
1,2-Dichloroethane	9.07		"	10.0		90.7	74.6-132		5.16	20.2	
1,2-Dichloropropane	10.3		"	10.0		103	76.9-129		3.56	20.7	
1,3,5-Trimethylbenzene	10.5		"	10.0		105	70.6-127		4.88	18.9	
1,3-Dichlorobenzene	10.7		"	10.0		107	77-124		10.7	19.2	
1,3-Dichloropropane	10.2		"	10.0		102	75.8-126		1.78	22.1	
1,4-Dichlorobenzene	10.7		"	10.0		107	76.6-125		6.47	18.6	
2,2-Dichloropropane	8.93		"	10.0		89.3	69-133		1.69	19.8	
2-Chlorotoluene	10.8		"	10.0		108	66.3-119		10.1	21.6	
2-Hexanone	10.0		"	10.0		100	70-130		0.595	30	
4-Chlorotoluene	11.3		"	10.0		113	69.2-127		5.90	19	
Acetone	8.77		"	10.0		87.7	70-130		6.40	30	
Benzene	10.0		"	10.0		100	76.2-129		0.199	19	
Bromobenzene	11.3		"	10.0		113	71.3-123		8.74	20.3	
Bromochloromethane	10.1		"	10.0		101	70.8-137		1.38	23.9	
Bromodichloromethane	11.0		"	10.0		110	79.7-134		3.53	21	
Bromoform	11.6		"	10.0		116	70.5-141		11.8	21.8	
Bromomethane	6.50		"	10.0		65.0	43.9-147		4.07	28.4	
Carbon tetrachloride	9.73		"	10.0		97.3	78.1-138		1.43	20.1	
Chlorobenzene	9.90		"	10.0		99.0	80.4-125		1.12	19.9	
Chloroethane	8.93		"	10.0		89.3	55.8-140		2.32	23.3	
Chloroform	10.2		"	10.0		102	76.6-133		0.294	20.3	
Chloromethane	6.17		"	10.0		61.7	48.8-115		1.63	24.5	
cis-1,2-Dichloroethylene	9.98		"	10.0		99.8	75.1-128		2.47	20.5	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	74.5-128		3.90	19.9	
Dibromochloromethane	10.3		"	10.0		103	79.8-134		3.15	21.3	
Dibromomethane	11.7		"	10.0		117	79-130		3.19	22.4	
Dichlorodifluoromethane	4.63		"	10.0		46.3	47.1-101	Low Bias	0.00	23.9	
Ethyl Benzene	10.7		"	10.0		107	80.8-128		5.20	19.2	
Hexachlorobutadiene	10.4		"	10.0		104	64.8-128		7.76	20.6	
Isopropylbenzene	11.2		"	10.0		112	75.5-135		7.50	20	
Methyl tert-butyl ether (MTBE)	9.91		"	10.0		99.1	65.1-140		3.57	23.6	
Methylene chloride	10.0		"	10.0		100	61.3-120		0.0998	20.4	
Naphthalene	9.68		"	10.0		96.8	62.3-148		5.74	27.1	
n-Butylbenzene	10.6		"	10.0		106	67.2-123		4.14	19.1	
n-Propylbenzene	11.2		"	10.0		112	70.5-127		6.96	23.4	
o-Xylene	9.87		"	10.0		98.7	75.9-122		2.36	19.3	



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

**York Analytical Laboratories, Inc.**

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

**Batch BE30161 - EPA 5030B**

**LCS Dup (BE30161-BSD1)**

Prepared & Analyzed: 05/03/2013

p- & m- Xylenes	20.2		ug/L	20.0		101	77.7-127			2.10	18.6		
p-Isopropyltoluene	10.9		"	10.0		109	75.6-129			8.28	19.1		
sec-Butylbenzene	11.3		"	10.0		113	71.5-125			8.19	18.9		
Styrene	7.96		"	10.0		79.6	77.8-123			0.376	20.9		
tert-Butylbenzene	11.3		"	10.0		113	75.9-151			5.64	20.9		
Tetrachloroethylene	9.96		"	10.0		99.6	63.6-167			7.61	27.7		
Toluene	10.1		"	10.0		101	77-123			0.893	18.7		
trans-1,2-Dichloroethylene	9.46		"	10.0		94.6	76.3-139			0.424	19.5		
trans-1,3-Dichloropropylene	9.93		"	10.0		99.3	72.5-137			2.65	19.3		
Trichloroethylene	10.8		"	10.0		108	77.9-130			3.88	20.5		
Trichlorofluoromethane	8.91		"	10.0		89.1	57.4-133			1.47	21.4		
Vinyl Chloride	7.27		"	10.0		72.7	54.9-124			3.93	22.3		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.54</i>		<i>"</i>	<i>10.0</i>		<i>95.4</i>	<i>72.6-129</i>						
<i>Surrogate: p-Bromofluorobenzene</i>	<i>11.1</i>		<i>"</i>	<i>10.0</i>		<i>111</i>	<i>63.5-145</i>						
<i>Surrogate: Toluene-d8</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>81.2-127</i>						

**Batch BE30199 - EPA 5030B**

**Blank (BE30199-BLK1)**

Prepared & Analyzed: 05/06/2013

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	0.98	2.0	"										
Benzene	ND	0.50	"										
Bromobenzene	ND	0.50	"										
Bromochloromethane	ND	0.50	"										
Bromodichloromethane	ND	0.50	"										
Bromoform	ND	0.50	"										
Bromomethane	ND	0.50	"										
Carbon tetrachloride	ND	0.50	"										



Volatile Organic Compounds by 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 BE30199 - EPA 5030B

Blank (BE30199-BLK1)

Prepared & Analyzed: 05/06/2013

Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	1.7	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
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Surrogate: 1,2-Dichloroethane-d4	8.60		"	10.0		86.0	72.6-129				
Surrogate: p-Bromofluorobenzene	13.0		"	10.0		130	63.5-145				
Surrogate: Toluene-d8	10.1		"	10.0		101	81.2-127				



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 BE30199 - EPA 5030B

LCS (BE30199-BS1)

Prepared & Analyzed: 05/06/2013

1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82.3-130				
1,1,1-Trichloroethane	9.53		"	10.0		95.3	75.6-137				
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.76		"	10.0		77.6	71.1-129				
1,1,2-Trichloroethane	9.82		"	10.0		98.2	74.5-129				
1,1-Dichloroethane	9.08		"	10.0		90.8	79.6-132				
1,1-Dichloroethylene	7.41		"	10.0		74.1	80.2-146	Low Bias			
1,1-Dichloropropylene	8.66		"	10.0		86.6	75-136				
1,2,3-Trichlorobenzene	10.6		"	10.0		106	66.1-136				
1,2,3-Trichloropropane	13.0		"	10.0		130	63-131				
1,2,4-Trichlorobenzene	9.94		"	10.0		99.4	70.6-136				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	75.3-135				
1,2-Dibromo-3-chloropropane	14.2		"	10.0		142	58.9-140	High Bias			
1,2-Dibromoethane	10.4		"	10.0		104	79-130				
1,2-Dichlorobenzene	10.3		"	10.0		103	76.1-122				
1,2-Dichloroethane	8.59		"	10.0		85.9	74.6-132				
1,2-Dichloropropane	9.47		"	10.0		94.7	76.9-129				
1,3,5-Trimethylbenzene	10.6		"	10.0		106	70.6-127				
1,3-Dichlorobenzene	10.5		"	10.0		105	77-124				
1,3-Dichloropropane	9.82		"	10.0		98.2	75.8-126				
1,4-Dichlorobenzene	10.5		"	10.0		105	76.6-125				
2,2-Dichloropropane	9.34		"	10.0		93.4	69-133				
2-Chlorotoluene	10.4		"	10.0		104	66.3-119				
2-Hexanone	9.99		"	10.0		99.9	70-130				
4-Chlorotoluene	10.9		"	10.0		109	69.2-127				
Acetone	7.78		"	10.0		77.8	70-130				
Benzene	9.18		"	10.0		91.8	76.2-129				
Bromobenzene	11.1		"	10.0		111	71.3-123				
Bromochloromethane	9.16		"	10.0		91.6	70.8-137				
Bromodichloromethane	10.3		"	10.0		103	79.7-134				
Bromoform	11.2		"	10.0		112	70.5-141				
Bromomethane	5.02		"	10.0		50.2	43.9-147				
Carbon tetrachloride	8.96		"	10.0		89.6	78.1-138				
Chlorobenzene	9.80		"	10.0		98.0	80.4-125				
Chloroethane	6.43		"	10.0		64.3	55.8-140				
Chloroform	9.48		"	10.0		94.8	76.6-133				
Chloromethane	3.27		"	10.0		32.7	48.8-115	Low Bias			
cis-1,2-Dichloroethylene	9.20		"	10.0		92.0	75.1-128				
cis-1,3-Dichloropropylene	10.1		"	10.0		101	74.5-128				
Dibromochloromethane	11.0		"	10.0		110	79.8-134				
Dibromomethane	10.3		"	10.0		103	79-130				
Dichlorodifluoromethane	0.950		"	10.0		9.50	47.1-101	Low Bias			
Ethyl Benzene	10.2		"	10.0		102	80.8-128				
Hexachlorobutadiene	10.8		"	10.0		108	64.8-128				
Isopropylbenzene	10.4		"	10.0		104	75.5-135				
Methyl tert-butyl ether (MTBE)	9.23		"	10.0		92.3	65.1-140				
Methylene chloride	10.4		"	10.0		104	61.3-120				
Naphthalene	10.3		"	10.0		103	62.3-148				
n-Butylbenzene	10.6		"	10.0		106	67.2-123				
n-Propylbenzene	10.5		"	10.0		105	70.5-127				
o-Xylene	9.56		"	10.0		95.6	75.9-122				



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 BE30199 - EPA 5030B

LCS (BE30199-BS1)

Prepared & Analyzed: 05/06/2013

p- & m- Xylenes	20.0		ug/L	20.0		100	77.7-127				
p-Isopropyltoluene	11.0		"	10.0		110	75.6-129				
sec-Butylbenzene	10.9		"	10.0		109	71.5-125				
Styrene	9.42		"	10.0		94.2	77.8-123				
tert-Butylbenzene	11.2		"	10.0		112	75.9-151				
Tetrachloroethylene	9.59		"	10.0		95.9	63.6-167				
Toluene	9.63		"	10.0		96.3	77-123				
trans-1,2-Dichloroethylene	8.03		"	10.0		80.3	76.3-139				
trans-1,3-Dichloropropylene	10.1		"	10.0		101	72.5-137				
Trichloroethylene	10.0		"	10.0		100	77.9-130				
Trichlorofluoromethane	6.44		"	10.0		64.4	57.4-133				
Vinyl Chloride	4.18		"	10.0		41.8	54.9-124	Low Bias			
Surrogate: 1,2-Dichloroethane-d4	9.09		"	10.0		90.9	72.6-129				
Surrogate: p-Bromofluorobenzene	10.5		"	10.0		105	63.5-145				
Surrogate: Toluene-d8	10.2		"	10.0		102	81.2-127				

LCS Dup (BE30199-BSD1)

Prepared & Analyzed: 05/06/2013

1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82.3-130		1.77	21.1	
1,1,1-Trichloroethane	9.33		"	10.0		93.3	75.6-137		2.12	19.7	
1,1,2,2-Tetrachloroethane	10.9		"	10.0		109	71.3-131		0.911	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.84		"	10.0		78.4	71.1-129		1.03	21.7	
1,1,2-Trichloroethane	10.1		"	10.0		101	74.5-129		2.91	20.3	
1,1-Dichloroethane	9.17		"	10.0		91.7	79.6-132		0.986	20.6	
1,1-Dichloroethylene	7.31		"	10.0		73.1	80.2-146	Low Bias	1.36	20	
1,1-Dichloropropylene	8.66		"	10.0		86.6	75-136		0.00	19.3	
1,2,3-Trichlorobenzene	9.94		"	10.0		99.4	66.1-136		6.05	21.6	
1,2,3-Trichloropropane	11.8		"	10.0		118	63-131		9.33	23.9	
1,2,4-Trichlorobenzene	9.54		"	10.0		95.4	70.6-136		4.11	21.7	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	75.3-135		0.495	18.8	
1,2-Dibromo-3-chloropropane	14.0		"	10.0		140	58.9-140		1.91	27.7	
1,2-Dibromoethane	10.6		"	10.0		106	79-130		1.53	23	
1,2-Dichlorobenzene	10.2		"	10.0		102	76.1-122		0.781	19.8	
1,2-Dichloroethane	8.95		"	10.0		89.5	74.6-132		4.10	20.2	
1,2-Dichloropropane	9.85		"	10.0		98.5	76.9-129		3.93	20.7	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	70.6-127		0.189	18.9	
1,3-Dichlorobenzene	10.1		"	10.0		101	77-124		3.99	19.2	
1,3-Dichloropropane	10.1		"	10.0		101	75.8-126		2.91	22.1	
1,4-Dichlorobenzene	10.4		"	10.0		104	76.6-125		0.479	18.6	
2,2-Dichloropropane	8.92		"	10.0		89.2	69-133		4.60	19.8	
2-Chlorotoluene	10.6		"	10.0		106	66.3-119		1.24	21.6	
2-Hexanone	10.2		"	10.0		102	70-130		2.47	30	
4-Chlorotoluene	11.0		"	10.0		110	69.2-127		0.825	19	
Acetone	7.03		"	10.0		70.3	70-130		10.1	30	
Benzene	9.45		"	10.0		94.5	76.2-129		2.90	19	
Bromobenzene	10.6		"	10.0		106	71.3-123		4.98	20.3	
Bromochloromethane	9.26		"	10.0		92.6	70.8-137		1.09	23.9	
Bromodichloromethane	10.3		"	10.0		103	79.7-134		0.00	21	
Bromoform	11.1		"	10.0		111	70.5-141		0.449	21.8	
Bromomethane	4.61		"	10.0		46.1	43.9-147		8.52	28.4	
Carbon tetrachloride	9.42		"	10.0		94.2	78.1-138		5.01	20.1	
Chlorobenzene	9.77		"	10.0		97.7	80.4-125		0.307	19.9	
Chloroethane	6.47		"	10.0		64.7	55.8-140		0.620	23.3	



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE30199 - EPA 5030B

LCS Dup (BE30199-BSD1)

Prepared & Analyzed: 05/06/2013

Chloroform	9.62		ug/L	10.0		96.2	76.6-133		1.47	20.3	
Chloromethane	3.23		"	10.0		32.3	48.8-115	Low Bias	1.23	24.5	
cis-1,2-Dichloroethylene	9.37		"	10.0		93.7	75.1-128		1.83	20.5	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	74.5-128		3.13	19.9	
Dibromochloromethane	10.8		"	10.0		108	79.8-134		1.47	21.3	
Dibromomethane	11.5		"	10.0		115	79-130		11.5	22.4	
Dichlorodifluoromethane	0.860		"	10.0		8.60	47.1-101	Low Bias	9.94	23.9	
Ethyl Benzene	10.1		"	10.0		101	80.8-128		1.28	19.2	
Hexachlorobutadiene	10.2		"	10.0		102	64.8-128		5.81	20.6	
Isopropylbenzene	10.7		"	10.0		107	75.5-135		2.55	20	
Methyl tert-butyl ether (MTBE)	9.30		"	10.0		93.0	65.1-140		0.756	23.6	
Methylene chloride	10.2		"	10.0		102	61.3-120		1.07	20.4	
Naphthalene	9.79		"	10.0		97.9	62.3-148		4.88	27.1	
n-Butylbenzene	10.3		"	10.0		103	67.2-123		3.07	19.1	
n-Propylbenzene	10.4		"	10.0		104	70.5-127		0.859	23.4	
o-Xylene	9.56		"	10.0		95.6	75.9-122		0.00	19.3	
p- & m- Xylenes	19.8		"	20.0		99.0	77.7-127		1.21	18.6	
p-Isopropyltoluene	11.0		"	10.0		110	75.6-129		0.273	19.1	
sec-Butylbenzene	10.7		"	10.0		107	71.5-125		2.50	18.9	
Styrene	9.66		"	10.0		96.6	77.8-123		2.52	20.9	
tert-Butylbenzene	11.2		"	10.0		112	75.9-151		0.625	20.9	
Tetrachloroethylene	9.72		"	10.0		97.2	63.6-167		1.35	27.7	
Toluene	9.65		"	10.0		96.5	77-123		0.207	18.7	
trans-1,2-Dichloroethylene	8.35		"	10.0		83.5	76.3-139		3.91	19.5	
trans-1,3-Dichloropropylene	10.2		"	10.0		102	72.5-137		0.988	19.3	
Trichloroethylene	10.1		"	10.0		101	77.9-130		1.19	20.5	
Trichlorofluoromethane	6.42		"	10.0		64.2	57.4-133		0.311	21.4	
Vinyl Chloride	4.07		"	10.0		40.7	54.9-124	Low Bias	2.67	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.43		"	10.0		94.3	72.6-129				
<i>Surrogate: p-Bromofluorobenzene</i>	10.5		"	10.0		105	63.5-145				
<i>Surrogate: Toluene-d8</i>	9.82		"	10.0		98.2	81.2-127				



**Metals by EPA 6000 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Limit	Flag		
		Limit		Level	Result		Limits		Limit					
<b>Batch BE30114 - EPA 3010A</b>														
<b>Blank (BE30114-BLK1)</b>											Prepared & Analyzed: 05/02/2013			
Iron - Dissolved	ND	0.0200	mg/L											
<b>Duplicate (BE30114-DUP1)</b>											*Source sample: 13E0059-01 (WQ042913:1040NP2-10)		Prepared & Analyzed: 05/02/2013	
Iron - Dissolved	0.0144	0.0200	mg/L		0.0403				94.7	20	Non-dir.			
<b>Matrix Spike (BE30114-MS1)</b>											*Source sample: 13E0059-01 (WQ042913:1040NP2-10)		Prepared & Analyzed: 05/02/2013	
Iron - Dissolved	1.07	0.0200	mg/L	1.00	0.0403	103	75-125							
<b>Reference (BE30114-SRM1)</b>											Prepared & Analyzed: 05/02/2013			
Iron - Dissolved	0.430	0.0200	mg/L	0.462		93.1	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 BE30090 - EPA 3010A</b>											
<b>Blank (BE30090-BLK1)</b>								Prepared & Analyzed: 05/02/2013			
Iron	ND	0.0200	mg/L								
<b>Duplicate (BE30090-DUP1)</b>								*Source sample: 13E0059-01 (WQ042913:1040NP2-10) Prepared & Analyzed: 05/02/2013			
Iron	2.17	0.0200	mg/L		2.18				0.264	20	
<b>Matrix Spike (BE30090-MS1)</b>								*Source sample: 13E0059-01 (WQ042913:1040NP2-10) Prepared & Analyzed: 05/02/2013			
Iron	3.22	0.0200	mg/L	1.00	2.18	105	75-125				
<b>Reference (BE30090-SRM1)</b>								Prepared & Analyzed: 05/02/2013			
Iron	0.435	0.0200	mg/L	0.462		94.1	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 BE30157 - % Solids Prep**

**Blank (BE30157-BLK1)**

Prepared & Analyzed: 05/03/2013

Total Dissolved Solids                      ND                      1.00                      mg/L

**Duplicate (BE30157-DUP1)**

\*Source sample: 13E0059-01 (WQ042913:1040NP2-10)

Prepared & Analyzed: 05/03/2013

Total Dissolved Solids                      110                      1.00                      mg/L                      107                      2.76                      15



## Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13E0058-01	WQ042913:1030NP2-6	250mL Plastic Cool to 4° C
13E0058-02	WQ042913:1035NP2-7	250mL Plastic Cool to 4° C
13E0059-01	WQ042913:1040NP2-10	250mL Plastic 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.
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) 357-0166

# Field Chain-of-Custody Record

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

Page 1 of 1

York Project No. BEB009

<b>YOUR Information</b> Company: <u>L.B.C.</u> Address: <u>4 Research Dr, Suite 301 Shelton, CT 06484</u> Phone No: <u>263-929-8555</u> Contact Person: <u>Tunde Sandor</u> E-Mail Address: <u>TSandor@lbcct.com</u>		<b>Report To:</b> Company: <u>Same</u> Address: _____ Phone No: _____ Attention: _____ E-Mail Address: _____		<b>Invoice To:</b> Company: <u>Same</u> Address: _____ Phone No: _____ Attention: _____ E-Mail Address: _____		<b>YOUR Project ID</b> <u>Apwe Industries</u> Purchase Order No. <u>NAB5A6</u>		<b>Turn-Around Time</b> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		<b>Report Type</b> Summary Report <u>X</u> pdf Summary w/ QA Summary <u>X</u> pdf CT RCP Package CT RCP DQA/DUE Pkg NY ASP A Package NY ASP B Package <u>№2-10 only</u> NIDEP Red. Deliv. <i>Electronic Data Deliverables (EDD)</i>	
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	-----------------------------------------------------------------------------------------------------------------------------	--	------------------------------------------------------------------------------------------------------------------------------	--	--------------------------------------------------------------------------------------	--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

**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) \_\_\_\_\_  
 Name (printed) STEPHEN HAVAT

Matrix Codes	Semi-Volatiles	Perchlorated	Metals	Misc. Org.	Full Lists	Misc.
S - soil	8260 list	3270 & 825	RCRA8	TPH GRC	Pin Poll	Cerrosity
Other - specify (oil, etc)	Site Spec	STARs list	PPD list	TPH DR0	TCL Orgs	Resistivity
WW - wastewater	STARS list	BH Only	TAL	CT ETPH	TAL MacC	Ignitability
GW - groundwater	BTEX	Acids Only	CT RCP	NY 310-13	Full TCLP	Flash Point
DW - drinking water	MTBE	PAH list	App. IX	TPH 1664	Full App. IX	Sieve Anal
Air-A - ambient air	TCL list	Ketones	Site Spec	Air TO14A	Part 300 Base	Hexamethyls
Air-SV - soil vapor	TAGM list	Oxygenates	CT RCP list	Air TO15	Part 300 Base	TOX
	CT RCP list	TCL list	TCLP list	Air STARS	Part 300 Base	BTL lib
	Arcw. only	302.2	TCLP Herb	SRLP or TCLP	Part 300 Base	Appar. Tox
	Halog. only	NIDEP list	Chlordane	Air HCS	NYCEP Spec	TOC
	App. IX list	SRLP or TCLP	608 Pest	Methane	NYCEP Spec	Adesates
	3021B list	SRLP or TCLP	608 PCB	Hydroc.	NYCEP Spec	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Descriptions
W6042913 103CN#2.6	4/25/13 1030	GW	Fe by EPA 800.71 Fe, Dissolved by EPA 8010 (SW 846-60108) / VOCs, P260 list (EPA SW 845-8260b) plus fecal #13	3v 2P
W6042913 103SN#2.7	1022	GW	Fe by EPA 800.71 Fe, Dissolved by EPA 8010 (SW 846-60108) / VOCs	3v 2P
W6042913 103CN#2.10	1046	GW	P260 list (EPA SW 845-8260b) plus fecal #13 / TDS (9H 25405)	3v 3P

Comments

Preservation:  4°C,  Frozen,  ICI,  ZnAs,  MeOH,  Ascorbic Acid,  Other

Special Instructions: 4/30/13 9:00

Full Federal Chain of Custody Form

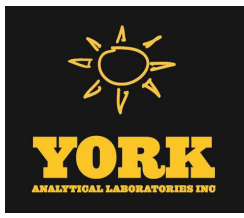
Samples Requisitioned By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Samples Received By: S. Schwick Date/Time: 4/30/13 9:00

Temperature on Receipt: \_\_\_\_\_

Signature: Charles 5-1-13 9:00

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



# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 05/01/2013

**Client Project ID: ROWE INDUSTRIES**

York Project (SDG) No.: 13D0932

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

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

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 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>
13D0932-01	GWQ042313:1000NP1-1-2	Water	04/23/2013	04/25/2013
13D0932-02	GWQ042313:1035NP1-1-4	Water	04/23/2013	04/25/2013
13D0932-03	GWQ042313:1015NP1-1-6	Water	04/23/2013	04/25/2013
13D0932-04	GWQ042313:1025NP1-1-7	Water	04/23/2013	04/25/2013

## General Notes for York Project (SDG) No.: 13D0932

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

Approved By:



Benjamin Gulizia  
Laboratory Director

Date: 05/01/2013

**YORK**



## Sample Information

**Client Sample ID:** GWQ042313:1000NP1-1-2

**York Sample ID:** 13D0932-01

York Project (SDG) No.  
13D0932

Client Project ID  
ROWE INDUSTRIES

Matrix  
Water

Collection Date/Time  
April 23, 2013 10:00 am

Date Received  
04/25/2013

**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	04/29/2013 09:50	04/30/2013 03:58	SS
71-55-6	1,1,1-Trichloroethane	0.24	J	ug/L	0.024	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	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	04/29/2013 09:50	04/30/2013 03:58	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS



### Sample Information

**Client Sample ID:** GWQ042313:1000NP1-1-2

**York Sample ID:** 13D0932-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0932

ROWE INDUSTRIES

Water

April 23, 2013 10:00 am

04/25/2013

**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
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
156-59-2	cis-1,2-Dichloroethylene	<b>0.59</b>		ug/L	0.069	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
75-09-2	Methylene chloride	<b>1.9</b>	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
127-18-4	Tetrachloroethylene	<b>0.74</b>		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
79-01-6	Trichloroethylene	<b>0.45</b>	J	ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:58	SS



### Sample Information

**Client Sample ID:** GWQ042313:1000NP1-1-2

**York Sample ID:** 13D0932-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0932

ROWE INDUSTRIES

Water

April 23, 2013 10:00 am

04/25/2013

**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
	<b>Surrogate Recoveries</b>	<b>Result</b>									
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	109 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	100 %			81.2-127						

### Sample Information

**Client Sample ID:** GWQ042313:1035NP1-1-4

**York Sample ID:** 13D0932-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0932

ROWE INDUSTRIES

Water

April 23, 2013 10:35 am

04/25/2013

**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	04/29/2013 09:50	04/30/2013 04:38	SS
71-55-6	1,1,1-Trichloroethane	2.7		ug/L	0.024	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
75-34-3	1,1-Dichloroethane	0.77		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS



### Sample Information

**Client Sample ID:** GWQ042313:1035NP1-1-4

**York Sample ID:** 13D0932-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0932

ROWE INDUSTRIES

Water

April 23, 2013 10:35 am

04/25/2013

**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
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
75-00-3	Chloroethane	0.12	J	ug/L	0.090	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
67-66-3	Chloroform	0.18	J	ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
75-09-2	Methylene chloride	2.1	B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS



### Sample Information

**Client Sample ID:** GWQ042313:1035NP1-1-4

**York Sample ID:** 13D0932-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0932

ROWE INDUSTRIES

Water

April 23, 2013 10:35 am

04/25/2013

**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
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
127-18-4	Tetrachloroethylene	1.1		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
79-01-6	Trichloroethylene	0.15	J	ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 04:38	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	111 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	101 %			81.2-127						

### Sample Information

**Client Sample ID:** GWQ042313:1015NP1-1-6

**York Sample ID:** 13D0932-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0932

ROWE INDUSTRIES

Water

April 23, 2013 10:15 am

04/25/2013

**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	04/29/2013 09:50	04/30/2013 05:17	SS
71-55-6	1,1,1-Trichloroethane	0.56		ug/L	0.024	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	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	04/29/2013 09:50	04/30/2013 05:17	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
75-34-3	1,1-Dichloroethane	0.29	J	ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS



## Sample Information

**Client Sample ID:** GWQ042313:1015NP1-1-6

**York Sample ID:** 13D0932-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0932

ROWE INDUSTRIES

Water

April 23, 2013 10:15 am

04/25/2013

**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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
67-66-3	Chloroform	0.27	J	ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS



### Sample Information

**Client Sample ID:** GWQ042313:1015NP1-1-6

**York Sample ID:** 13D0932-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0932

ROWE INDUSTRIES

Water

April 23, 2013 10:15 am

04/25/2013

**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
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
75-09-2	Methylene chloride	2.0	B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
127-18-4	Tetrachloroethylene	2.0		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:17	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	108 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	100 %	81.2-127								

### Sample Information

**Client Sample ID:** GWQ042313:1025NP1-1-7

**York Sample ID:** 13D0932-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0932

ROWE INDUSTRIES

Water

April 23, 2013 10:25 am

04/25/2013

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

**Log-in Notes:**

**Sample Notes:**



### Sample Information

**Client Sample ID:** GWQ042313:1025NP1-1-7

**York Sample ID:** 13D0932-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0932

ROWE INDUSTRIES

Water

April 23, 2013 10:25 am

04/25/2013

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	04/29/2013 09:50	04/30/2013 05:57	SS
71-55-6	1,1,1-Trichloroethane	0.16	J	ug/L	0.024	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	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	04/29/2013 09:50	04/30/2013 05:57	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS



## Sample Information

**Client Sample ID:** GWQ042313:1025NP1-1-7

**York Sample ID:** 13D0932-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0932

ROWE INDUSTRIES

Water

April 23, 2013 10:25 am

04/25/2013

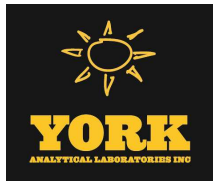
**Volatile Organics, 8260 List - Low Level**

**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	04/29/2013 09:50	04/30/2013 05:57	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
67-66-3	Chloroform	<b>0.19</b>	J	ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
75-09-2	Methylene chloride	<b>1.8</b>	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
127-18-4	Tetrachloroethylene	<b>0.67</b>		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 05:57	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %	72.6-129								



### Sample Information

**Client Sample ID:** GWQ042313:1025NP1-1-7

**York Sample ID:** 13D0932-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0932

ROWE INDUSTRIES

Water

April 23, 2013 10:25 am

04/25/2013

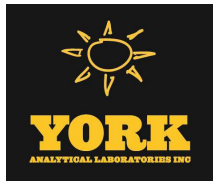
**Volatile Organics, 8260 List - Low Level**

**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
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	110 %			63.5-145						
2037-26-5	Surrogate: Toluene- <i>d</i> 8	102 %			81.2-127						



## Analytical Batch Summary

**Batch ID:** BD31361

**Preparation Method:** EPA 5030B

**Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13D0932-01	GWQ042313:1000NP1-1-2	04/29/13
13D0932-02	GWQ042313:1035NP1-1-4	04/29/13
13D0932-03	GWQ042313:1015NP1-1-6	04/29/13
13D0932-04	GWQ042313:1025NP1-1-7	04/29/13
BD31361-BLK1	Blank	04/29/13
BD31361-BS1	LCS	04/29/13
BD31361-BSD1	LCS Dup	04/29/13



**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 BD31361 - EPA 5030B**

**Blank (BD31361-BLK1)**

Prepared & Analyzed: 04/29/2013

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	1.9	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	2.9	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



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

**York Analytical Laboratories, Inc.**

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

**Batch BD31361 - EPA 5030B**

**Blank (BD31361-BLK1)**

Prepared & Analyzed: 04/29/2013

p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>		<i>72.6-129</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.8</i>		<i>"</i>	<i>10.0</i>		<i>108</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>			

**LCS (BD31361-BS1)**

Prepared & Analyzed: 04/29/2013

1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110		82.3-130			
1,1,1-Trichloroethane	11.1		"	10.0		111		75.6-137			
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104		71.3-131			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.42		"	10.0		94.2		71.1-129			
1,1,2-Trichloroethane	10.7		"	10.0		107		74.5-129			
1,1-Dichloroethane	10.8		"	10.0		108		79.6-132			
1,1-Dichloroethylene	9.01		"	10.0		90.1		80.2-146			
1,1-Dichloropropylene	9.90		"	10.0		99.0		75-136			
1,2,3-Trichlorobenzene	12.3		"	10.0		123		66.1-136			
1,2,3-Trichloropropane	10.1		"	10.0		101		63-131			
1,2,4-Trichlorobenzene	12.4		"	10.0		124		70.6-136			
1,2,4-Trimethylbenzene	9.65		"	10.0		96.5		75.3-135			
1,2-Dibromo-3-chloropropane	8.32		"	10.0		83.2		58.9-140			
1,2-Dibromoethane	10.9		"	10.0		109		79-130			
1,2-Dichlorobenzene	9.78		"	10.0		97.8		76.1-122			
1,2-Dichloroethane	10.2		"	10.0		102		74.6-132			
1,2-Dichloropropane	10.4		"	10.0		104		76.9-129			
1,3,5-Trimethylbenzene	9.90		"	10.0		99.0		70.6-127			
1,3-Dichlorobenzene	10.1		"	10.0		101		77-124			
1,3-Dichloropropane	10.4		"	10.0		104		75.8-126			
1,4-Dichlorobenzene	10.3		"	10.0		103		76.6-125			
2,2-Dichloropropane	9.46		"	10.0		94.6		69-133			
2-Chlorotoluene	10.2		"	10.0		102		66.3-119			
2-Hexanone	10.8		"	10.0		108		70-130			
4-Chlorotoluene	10.4		"	10.0		104		69.2-127			
Acetone	9.83		"	10.0		98.3		70-130			
Benzene	10.7		"	10.0		107		76.2-129			
Bromobenzene	10.5		"	10.0		105		71.3-123			
Bromochloromethane	10.4		"	10.0		104		70.8-137			
Bromodichloromethane	11.0		"	10.0		110		79.7-134			
Bromoform	11.3		"	10.0		113		70.5-141			
Bromomethane	14.2		"	10.0		142		43.9-147			
Carbon tetrachloride	11.0		"	10.0		110		78.1-138			
Chlorobenzene	10.2		"	10.0		102		80.4-125			



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

York Analytical Laboratories, Inc.

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

Batch BD31361 - EPA 5030B

LCS (BD31361-BS1)

Prepared & Analyzed: 04/29/2013

Chloroethane	8.72		ug/L	10.0		87.2	55.8-140				
Chloroform	10.7		"	10.0		107	76.6-133				
Chloromethane	9.79		"	10.0		97.9	48.8-115				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	75.1-128				
cis-1,3-Dichloropropylene	11.3		"	10.0		113	74.5-128				
Dibromochloromethane	11.2		"	10.0		112	79.8-134				
Dibromomethane	10.6		"	10.0		106	79-130				
Dichlorodifluoromethane	8.78		"	10.0		87.8	47.1-101				
Ethyl Benzene	10.7		"	10.0		107	80.8-128				
Hexachlorobutadiene	10.4		"	10.0		104	64.8-128				
Isopropylbenzene	10.5		"	10.0		105	75.5-135				
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	65.1-140				
Methylene chloride	11.8		"	10.0		118	61.3-120				
Naphthalene	10.5		"	10.0		105	62.3-148				
n-Butylbenzene	10.3		"	10.0		103	67.2-123				
n-Propylbenzene	10.7		"	10.0		107	70.5-127				
o-Xylene	10.1		"	10.0		101	75.9-122				
p- & m- Xylenes	21.1		"	20.0		106	77.7-127				
p-Isopropyltoluene	10.6		"	10.0		106	75.6-129				
sec-Butylbenzene	10.6		"	10.0		106	71.5-125				
Styrene	8.80		"	10.0		88.0	77.8-123				
tert-Butylbenzene	10.6		"	10.0		106	75.9-151				
Tetrachloroethylene	9.93		"	10.0		99.3	63.6-167				
Toluene	10.4		"	10.0		104	77-123				
trans-1,2-Dichloroethylene	10.0		"	10.0		100	76.3-139				
trans-1,3-Dichloropropylene	10.7		"	10.0		107	72.5-137				
Trichloroethylene	10.6		"	10.0		106	77.9-130				
Trichlorofluoromethane	9.52		"	10.0		95.2	57.4-133				
Vinyl Chloride	9.16		"	10.0		91.6	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	72.6-129				
Surrogate: p-Bromofluorobenzene	9.99		"	10.0		99.9	63.5-145				
Surrogate: Toluene-d8	10.1		"	10.0		101	81.2-127				



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 BD31361 - EPA 5030B</b>											
<b>LCS Dup (BD31361-BSD1)</b>											
										Prepared & Analyzed: 04/29/2013	
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82.3-130		3.34	21.1	
1,1,1-Trichloroethane	10.5		"	10.0		105	75.6-137		5.27	19.7	
1,1,2,2-Tetrachloroethane	9.86		"	10.0		98.6	71.3-131		5.62	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.01		"	10.0		90.1	71.1-129		4.45	21.7	
1,1,2-Trichloroethane	10.0		"	10.0		100	74.5-129		6.27	20.3	
1,1-Dichloroethane	10.1		"	10.0		101	79.6-132		6.88	20.6	
1,1-Dichloroethylene	8.66		"	10.0		86.6	80.2-146		3.96	20	
1,1-Dichloropropylene	9.37		"	10.0		93.7	75-136		5.50	19.3	
1,2,3-Trichlorobenzene	11.4		"	10.0		114	66.1-136		8.02	21.6	
1,2,3-Trichloropropane	10.1		"	10.0		101	63-131		0.396	23.9	
1,2,4-Trichlorobenzene	11.3		"	10.0		113	70.6-136		8.77	21.7	
1,2,4-Trimethylbenzene	9.36		"	10.0		93.6	75.3-135		3.05	18.8	
1,2-Dibromo-3-chloropropane	7.73		"	10.0		77.3	58.9-140		7.35	27.7	
1,2-Dibromoethane	10.4		"	10.0		104	79-130		4.40	23	
1,2-Dichlorobenzene	9.39		"	10.0		93.9	76.1-122		4.07	19.8	
1,2-Dichloroethane	9.47		"	10.0		94.7	74.6-132		7.91	20.2	
1,2-Dichloropropane	10.4		"	10.0		104	76.9-129		0.289	20.7	
1,3,5-Trimethylbenzene	9.61		"	10.0		96.1	70.6-127		2.97	18.9	
1,3-Dichlorobenzene	9.77		"	10.0		97.7	77-124		3.22	19.2	
1,3-Dichloropropane	9.98		"	10.0		99.8	75.8-126		4.03	22.1	
1,4-Dichlorobenzene	9.61		"	10.0		96.1	76.6-125		7.12	18.6	
2,2-Dichloropropane	8.97		"	10.0		89.7	69-133		5.32	19.8	
2-Chlorotoluene	9.73		"	10.0		97.3	66.3-119		4.62	21.6	
2-Hexanone	10.1		"	10.0		101	70-130		6.40	30	
4-Chlorotoluene	9.97		"	10.0		99.7	69.2-127		4.03	19	
Acetone	9.06		"	10.0		90.6	70-130		8.15	30	
Benzene	10.2		"	10.0		102	76.2-129		4.98	19	
Bromobenzene	9.90		"	10.0		99.0	71.3-123		5.50	20.3	
Bromochloromethane	9.90		"	10.0		99.0	70.8-137		5.02	23.9	
Bromodichloromethane	10.7		"	10.0		107	79.7-134		3.31	21	
Bromoform	10.6		"	10.0		106	70.5-141		6.49	21.8	
Bromomethane	13.7		"	10.0		137	43.9-147		3.52	28.4	
Carbon tetrachloride	10.5		"	10.0		105	78.1-138		4.18	20.1	
Chlorobenzene	9.90		"	10.0		99.0	80.4-125		2.99	19.9	
Chloroethane	8.40		"	10.0		84.0	55.8-140		3.74	23.3	
Chloroform	10.2		"	10.0		102	76.6-133		4.77	20.3	
Chloromethane	9.31		"	10.0		93.1	48.8-115		5.03	24.5	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	75.1-128		5.90	20.5	
cis-1,3-Dichloropropylene	10.9		"	10.0		109	74.5-128		3.62	19.9	
Dibromochloromethane	10.7		"	10.0		107	79.8-134		4.38	21.3	
Dibromomethane	10.2		"	10.0		102	79-130		3.83	22.4	
Dichlorodifluoromethane	8.23		"	10.0		82.3	47.1-101		6.47	23.9	
Ethyl Benzene	10.4		"	10.0		104	80.8-128		3.23	19.2	
Hexachlorobutadiene	10.1		"	10.0		101	64.8-128		3.31	20.6	
Isopropylbenzene	10.2		"	10.0		102	75.5-135		2.81	20	
Methyl tert-butyl ether (MTBE)	9.23		"	10.0		92.3	65.1-140		10.6	23.6	
Methylene chloride	11.2		"	10.0		112	61.3-120		4.95	20.4	
Naphthalene	9.90		"	10.0		99.0	62.3-148		5.88	27.1	
n-Butylbenzene	9.82		"	10.0		98.2	67.2-123		4.67	19.1	
n-Propylbenzene	10.3		"	10.0		103	70.5-127		3.53	23.4	
o-Xylene	9.76		"	10.0		97.6	75.9-122		3.62	19.3	



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

**York Analytical Laboratories, Inc.**

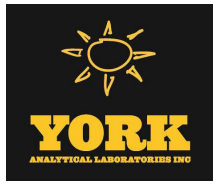
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD31361 - EPA 5030B**

**LCS Dup (BD31361-BSD1)**

Prepared & Analyzed: 04/29/2013

p- & m- Xylenes	20.4		ug/L	20.0		102	77.7-127		3.42	18.6	
p-Isopropyltoluene	10.2		"	10.0		102	75.6-129		3.75	19.1	
sec-Butylbenzene	10.3		"	10.0		103	71.5-125		2.87	18.9	
Styrene	8.81		"	10.0		88.1	77.8-123		0.114	20.9	
tert-Butylbenzene	9.89		"	10.0		98.9	75.9-151		6.55	20.9	
Tetrachloroethylene	9.72		"	10.0		97.2	63.6-167		2.14	27.7	
Toluene	10.0		"	10.0		100	77-123		3.73	18.7	
trans-1,2-Dichloroethylene	9.32		"	10.0		93.2	76.3-139		7.14	19.5	
trans-1,3-Dichloropropylene	10.3		"	10.0		103	72.5-137		3.72	19.3	
Trichloroethylene	10.1		"	10.0		101	77.9-130		4.91	20.5	
Trichlorofluoromethane	9.35		"	10.0		93.5	57.4-133		1.80	21.4	
Vinyl Chloride	8.77		"	10.0		87.7	54.9-124		4.35	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>9.97</i>		<i>"</i>	<i>10.0</i>		<i>99.7</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 Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13D0932-01	GWQ042313:1000NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0932-02	GWQ042313:1035NP1-1-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0932-03	GWQ042313:1015NP1-1-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0932-04	GWQ042313:1025NP1-1-7	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.

# 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. 13D0932

<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 checked="" type="checkbox"/> SAME	<input type="checkbox"/> Tunde Sandor	<input checked="" type="checkbox"/> SAME	Name: <u>Mark Goldberg</u>		Rowe Industries		RUSH Same Day	Summary	x, pdf	
Address: <u>4 Research Drive, Suite 301, Shelton CT, 06484</u>	Name: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Name: <u>Same</u>		Purchase Order no. <u>NABSAG</u>		RUSH Next Day	QA/QC Summary	x, pdf	
Phone no.: <u>203-929-8555</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Name: <u>Same</u>		Samples from: <u>CT_NY_NJ_OTHER</u>		RUSH Two Day	CT RCP Pkg		
Contact Person <u>Tunde Sandor</u>	E-mail: <u>tsandor@lbgct.com</u>	E-mail: <u>Same</u>	E-mail: <u>Same</u>	Name: <u>Same</u>				RUSH Three Day	ASP A Pkg		
FAX No.: <u>203-926-9140</u>	Fax No.: <u>Same</u>	Fax No.: <u>Same</u>	Fax No.: <u>Same</u>	Name: <u>Same</u>				RUSH Four Day	ASP B Pkg	x, pdf	
			E-mail: <u>Same</u>			Standard (5-7 days) <input checked="" type="checkbox"/>			Excel		
			Fax No.: <u>Same</u>			OTHER			EDD		

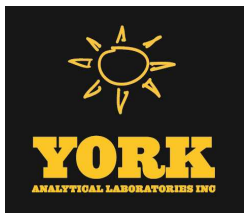
*Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.*

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

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
<u>6W0042313 1000N1-1-2</u>	<u>4/23/13 1000</u>	<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B)</u>	<u>3v</u>
<u>6W0072313 1035N1-1-4</u>	<u>1035</u>	<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B)</u>	<u>3v</u>
<u>6W0042313 1015N1-1-6</u>	<u>1015</u>	<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B)</u>	<u>3v</u>
<u>6W0012313 1025N1-1-7</u>	<u>1025</u>	<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B)</u>	<u>3v</u>
			<u>VOC 8260 full list (EPA SW846-8260B)</u>	
			<u>VOC 8260 full list (EPA SW846-8260B)</u>	
			<u>VOC 8260 full list (EPA SW846-8260B)</u>	
			<u>VOC 8260 full list (EPA SW846-8260B)</u>	
			<u>VOC 8260 full list (EPA SW846-8260B)</u>	
			<u>VOC 8260 full list (EPA SW846-8260B)</u>	
			<u>VOC 8260 full list (EPA SW846-8260B)</u>	
			<u>VOC 8260 full list (EPA SW846-8260B)</u>	
			<u>VOC 8260 full list (EPA SW846-8260B)</u>	
			<u>VOC 8260 full list (EPA SW846-8260B)</u>	
			<u>VOC 8260 full list (EPA SW846-8260B)</u>	

Comments	Preservation "X" those applicable	Cool 4°C	HNO3	H2SO4	NaOH	FROZEN	Temperature on Receipt
							<u>3.8 °C</u>
Samples Relinquished By <u>[Signature]</u>		Date/Time <u>4/24/13 1600</u>	Samples Received By <u>[Signature]</u>		Date/Time <u>4/25/13 1415</u>	Temperature on Receipt <u>3.8 °C</u>	
Samples Relinquished By		Date/Time	Samples Received in LAB by		Date/Time	Temperature on Receipt	



# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 05/01/2013

**Client Project ID: ROWE INDUSTRIES**

York Project (SDG) No.: 13D0931

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

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

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 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>
13D0931-01	WQ042313:840FRW1	Water	04/23/2013	04/25/2013
13D0931-02	WQ042313:906FRW2	Water	04/23/2013	04/25/2013
13D0931-03	WQ042313:1036FRW3	Water	04/23/2013	04/25/2013
13D0931-04	WQ042313:1106FRW4	Water	04/23/2013	04/25/2013

## General Notes for York Project (SDG) No.: 13D0931

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

Approved By:



Benjamin Gulizia  
Laboratory Director

Date: 05/01/2013

**YORK**



## Sample Information

**Client Sample ID:** WQ042313:840FRW1

**York Sample ID:** 13D0931-01

York Project (SDG) No.  
13D0931

Client Project ID  
ROWE INDUSTRIES

Matrix  
Water

Collection Date/Time  
April 23, 2013 8:40 am

Date Received  
04/25/2013

**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	04/29/2013 09:50	04/30/2013 01:18	SS
71-55-6	1,1,1-Trichloroethane	4.4		ug/L	0.024	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	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	04/29/2013 09:50	04/30/2013 01:18	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
75-34-3	1,1-Dichloroethane	2.0		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
75-35-4	1,1-Dichloroethylene	0.86		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
67-64-1	Acetone	1.5	J, B	ug/L	0.90	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS



## Sample Information

**Client Sample ID:** WQ042313:840FRW1

**York Sample ID:** 13D0931-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0931

ROWE INDUSTRIES

Water

April 23, 2013 8:40 am

04/25/2013

**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
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
156-59-2	cis-1,2-Dichloroethylene	<b>290</b>		ug/L	0.69	5.0	10	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 13:28	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
75-09-2	Methylene chloride	<b>2.5</b>	B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
127-18-4	Tetrachloroethylene	<b>360</b>		ug/L	0.70	5.0	10	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 13:28	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
156-60-5	trans-1,2-Dichloroethylene	<b>0.53</b>		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
79-01-6	Trichloroethylene	<b>42</b>		ug/L	0.71	5.0	10	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 13:28	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
75-01-4	Vinyl Chloride	<b>9.5</b>		ug/L	0.062	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:18	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								



### Sample Information

**Client Sample ID:** WQ042313:840FRW1

**York Sample ID:** 13D0931-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0931

ROWE INDUSTRIES

Water

April 23, 2013 8:40 am

04/25/2013

**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
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	110 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	103 %			81.2-127						

### Sample Information

**Client Sample ID:** WQ042313:906FRW2

**York Sample ID:** 13D0931-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0931

ROWE INDUSTRIES

Water

April 23, 2013 9:06 am

04/25/2013

**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	04/29/2013 09:50	04/30/2013 01:58	SS
71-55-6	1,1,1-Trichloroethane	0.16	J	ug/L	0.024	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	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	04/29/2013 09:50	04/30/2013 01:58	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
75-34-3	1,1-Dichloroethane	0.60		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS



## Sample Information

**Client Sample ID:** WQ042313:906FRW2

**York Sample ID:** 13D0931-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0931

ROWE INDUSTRIES

Water

April 23, 2013 9:06 am

04/25/2013

**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
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
67-64-1	Acetone	<b>22</b>	B	ug/L	0.90	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
71-43-2	Benzene	<b>0.34</b>	J	ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
156-59-2	cis-1,2-Dichloroethylene	<b>47</b>		ug/L	0.14	1.0	2	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 14:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
100-41-4	Ethyl Benzene	<b>0.25</b>	J	ug/L	0.057	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
75-09-2	Methylene chloride	<b>2.2</b>	B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS



### Sample Information

**Client Sample ID:** WQ042313:906FRW2

**York Sample ID:** 13D0931-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0931

ROWE INDUSTRIES

Water

April 23, 2013 9:06 am

04/25/2013

**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
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
127-18-4	Tetrachloroethylene	4.0		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
108-88-3	Toluene	0.33	J	ug/L	0.042	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
79-01-6	Trichloroethylene	1.4		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
75-01-4	Vinyl Chloride	7.9		ug/L	0.062	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 01:58	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	106 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	99.9 %			81.2-127						

### Sample Information

**Client Sample ID:** WQ042313:1036FRW3

**York Sample ID:** 13D0931-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0931

ROWE INDUSTRIES

Water

April 23, 2013 10:36 am

04/25/2013

**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	04/29/2013 09:50	04/30/2013 02:38	SS
71-55-6	1,1,1-Trichloroethane	0.56		ug/L	0.024	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	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	04/29/2013 09:50	04/30/2013 02:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
75-34-3	1,1-Dichloroethane	3.6		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
75-35-4	1,1-Dichloroethylene	0.35	J	ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS



### Sample Information

**Client Sample ID:** WQ042313:1036FRW3

**York Sample ID:** 13D0931-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0931

ROWE INDUSTRIES

Water

April 23, 2013 10:36 am

04/25/2013

**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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
67-64-1	Acetone	10	B	ug/L	0.90	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
156-59-2	cis-1,2-Dichloroethylene	370		ug/L	0.69	5.0	10	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 14:39	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS



### Sample Information

**Client Sample ID:** WQ042313:1036FRW3

**York Sample ID:** 13D0931-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0931

ROWE INDUSTRIES

Water

April 23, 2013 10:36 am

04/25/2013

**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
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
98-82-8	Isopropylbenzene	0.29	J	ug/L	0.056	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
75-09-2	Methylene chloride	2.3	B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
127-18-4	Tetrachloroethylene	1.3		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
108-88-3	Toluene	0.18	J	ug/L	0.042	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
156-60-5	trans-1,2-Dichloroethylene	0.42	J	ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
79-01-6	Trichloroethylene	0.31	J	ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 02:38	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	99.2 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	102 %			81.2-127						

### Sample Information

**Client Sample ID:** WQ042313:1106FRW4

**York Sample ID:** 13D0931-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0931

ROWE INDUSTRIES

Water

April 23, 2013 11:03 am

04/25/2013

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

**Log-in Notes:**

**Sample Notes:**



## Sample Information

**Client Sample ID:** WQ042313:1106FRW4

**York Sample ID:** 13D0931-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0931

ROWE INDUSTRIES

Water

April 23, 2013 11:03 am

04/25/2013

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	04/29/2013 09:50	04/30/2013 03:18	SS
71-55-6	1,1,1-Trichloroethane	2.7		ug/L	0.024	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	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	04/29/2013 09:50	04/30/2013 03:18	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
75-34-3	1,1-Dichloroethane	1.7		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS



### Sample Information

**Client Sample ID:** WQ042313:1106FRW4

**York Sample ID:** 13D0931-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0931

ROWE INDUSTRIES

Water

April 23, 2013 11:03 am

04/25/2013

**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	04/29/2013 09:50	04/30/2013 03:18	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
156-59-2	cis-1,2-Dichloroethylene	<b>39</b>		ug/L	0.069	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
75-09-2	Methylene chloride	<b>2.0</b>	B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
127-18-4	Tetrachloroethylene	<b>82</b>		ug/L	0.35	2.5	5	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 15:15	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
79-01-6	Trichloroethylene	<b>11</b>		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 03:18	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.3 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	104 %			63.5-145						



### Sample Information

**Client Sample ID:** WQ042313:1106FRW4

**York Sample ID:** 13D0931-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0931

ROWE INDUSTRIES

Water

April 23, 2013 11:03 am

04/25/2013

**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
2037-26-5	Surrogate: Toluene-d8	125 %			81.2-127						



## Analytical Batch Summary

**Batch ID:** BD31361

**Preparation Method:** EPA 5030B

**Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13D0931-01	WQ042313:840FRW1	04/29/13
13D0931-02	WQ042313:906FRW2	04/29/13
13D0931-03	WQ042313:1036FRW3	04/29/13
13D0931-04	WQ042313:1106FRW4	04/29/13
BD31361-BLK1	Blank	04/29/13
BD31361-BS1	LCS	04/29/13
BD31361-BSD1	LCS Dup	04/29/13

**Batch ID:** BD31393

**Preparation Method:** EPA 5030B

**Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13D0931-01RE1	WQ042313:840FRW1	04/30/13
13D0931-02RE1	WQ042313:906FRW2	04/30/13
13D0931-03RE1	WQ042313:1036FRW3	04/30/13
13D0931-04RE1	WQ042313:1106FRW4	04/30/13
BD31393-BLK1	Blank	04/30/13
BD31393-BS1	LCS	04/30/13
BD31393-BSD1	LCS Dup	04/30/13



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

**York Analytical Laboratories, Inc.**

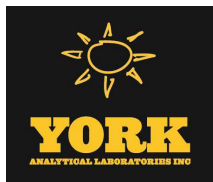
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD31361 - EPA 5030B**

**Blank (BD31361-BLK1)**

Prepared & Analyzed: 04/29/2013

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	1.9	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	2.9	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



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

**York Analytical Laboratories, Inc.**

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

**Batch BD31361 - EPA 5030B**

**Blank (BD31361-BLK1)**

Prepared & Analyzed: 04/29/2013

p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>		<i>72.6-129</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.8</i>		<i>"</i>	<i>10.0</i>		<i>108</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>			

**LCS (BD31361-BS1)**

Prepared & Analyzed: 04/29/2013

1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110		82.3-130			
1,1,1-Trichloroethane	11.1		"	10.0		111		75.6-137			
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104		71.3-131			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.42		"	10.0		94.2		71.1-129			
1,1,2-Trichloroethane	10.7		"	10.0		107		74.5-129			
1,1-Dichloroethane	10.8		"	10.0		108		79.6-132			
1,1-Dichloroethylene	9.01		"	10.0		90.1		80.2-146			
1,1-Dichloropropylene	9.90		"	10.0		99.0		75-136			
1,2,3-Trichlorobenzene	12.3		"	10.0		123		66.1-136			
1,2,3-Trichloropropane	10.1		"	10.0		101		63-131			
1,2,4-Trichlorobenzene	12.4		"	10.0		124		70.6-136			
1,2,4-Trimethylbenzene	9.65		"	10.0		96.5		75.3-135			
1,2-Dibromo-3-chloropropane	8.32		"	10.0		83.2		58.9-140			
1,2-Dibromoethane	10.9		"	10.0		109		79-130			
1,2-Dichlorobenzene	9.78		"	10.0		97.8		76.1-122			
1,2-Dichloroethane	10.2		"	10.0		102		74.6-132			
1,2-Dichloropropane	10.4		"	10.0		104		76.9-129			
1,3,5-Trimethylbenzene	9.90		"	10.0		99.0		70.6-127			
1,3-Dichlorobenzene	10.1		"	10.0		101		77-124			
1,3-Dichloropropane	10.4		"	10.0		104		75.8-126			
1,4-Dichlorobenzene	10.3		"	10.0		103		76.6-125			
2,2-Dichloropropane	9.46		"	10.0		94.6		69-133			
2-Chlorotoluene	10.2		"	10.0		102		66.3-119			
2-Hexanone	10.8		"	10.0		108		70-130			
4-Chlorotoluene	10.4		"	10.0		104		69.2-127			
Acetone	9.83		"	10.0		98.3		70-130			
Benzene	10.7		"	10.0		107		76.2-129			
Bromobenzene	10.5		"	10.0		105		71.3-123			
Bromochloromethane	10.4		"	10.0		104		70.8-137			
Bromodichloromethane	11.0		"	10.0		110		79.7-134			
Bromoform	11.3		"	10.0		113		70.5-141			
Bromomethane	14.2		"	10.0		142		43.9-147			
Carbon tetrachloride	11.0		"	10.0		110		78.1-138			
Chlorobenzene	10.2		"	10.0		102		80.4-125			



**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	Flag
		Limit			Result					Limit	

**Batch BD31361 - EPA 5030B**

**LCS (BD31361-BS1)**

Prepared & Analyzed: 04/29/2013

Chloroethane	8.72		ug/L	10.0		87.2	55.8-140				
Chloroform	10.7		"	10.0		107	76.6-133				
Chloromethane	9.79		"	10.0		97.9	48.8-115				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	75.1-128				
cis-1,3-Dichloropropylene	11.3		"	10.0		113	74.5-128				
Dibromochloromethane	11.2		"	10.0		112	79.8-134				
Dibromomethane	10.6		"	10.0		106	79-130				
Dichlorodifluoromethane	8.78		"	10.0		87.8	47.1-101				
Ethyl Benzene	10.7		"	10.0		107	80.8-128				
Hexachlorobutadiene	10.4		"	10.0		104	64.8-128				
Isopropylbenzene	10.5		"	10.0		105	75.5-135				
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	65.1-140				
Methylene chloride	11.8		"	10.0		118	61.3-120				
Naphthalene	10.5		"	10.0		105	62.3-148				
n-Butylbenzene	10.3		"	10.0		103	67.2-123				
n-Propylbenzene	10.7		"	10.0		107	70.5-127				
o-Xylene	10.1		"	10.0		101	75.9-122				
p- & m- Xylenes	21.1		"	20.0		106	77.7-127				
p-Isopropyltoluene	10.6		"	10.0		106	75.6-129				
sec-Butylbenzene	10.6		"	10.0		106	71.5-125				
Styrene	8.80		"	10.0		88.0	77.8-123				
tert-Butylbenzene	10.6		"	10.0		106	75.9-151				
Tetrachloroethylene	9.93		"	10.0		99.3	63.6-167				
Toluene	10.4		"	10.0		104	77-123				
trans-1,2-Dichloroethylene	10.0		"	10.0		100	76.3-139				
trans-1,3-Dichloropropylene	10.7		"	10.0		107	72.5-137				
Trichloroethylene	10.6		"	10.0		106	77.9-130				
Trichlorofluoromethane	9.52		"	10.0		95.2	57.4-133				
Vinyl Chloride	9.16		"	10.0		91.6	54.9-124				
<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>9.99</i>		<i>"</i>	<i>10.0</i>		<i>99.9</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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD31361 - EPA 5030B</b>											
<b>LCS Dup (BD31361-BSD1)</b>											
										Prepared & Analyzed: 04/29/2013	
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82.3-130		3.34	21.1	
1,1,1-Trichloroethane	10.5		"	10.0		105	75.6-137		5.27	19.7	
1,1,2,2-Tetrachloroethane	9.86		"	10.0		98.6	71.3-131		5.62	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.01		"	10.0		90.1	71.1-129		4.45	21.7	
1,1,2-Trichloroethane	10.0		"	10.0		100	74.5-129		6.27	20.3	
1,1-Dichloroethane	10.1		"	10.0		101	79.6-132		6.88	20.6	
1,1-Dichloroethylene	8.66		"	10.0		86.6	80.2-146		3.96	20	
1,1-Dichloropropylene	9.37		"	10.0		93.7	75-136		5.50	19.3	
1,2,3-Trichlorobenzene	11.4		"	10.0		114	66.1-136		8.02	21.6	
1,2,3-Trichloropropane	10.1		"	10.0		101	63-131		0.396	23.9	
1,2,4-Trichlorobenzene	11.3		"	10.0		113	70.6-136		8.77	21.7	
1,2,4-Trimethylbenzene	9.36		"	10.0		93.6	75.3-135		3.05	18.8	
1,2-Dibromo-3-chloropropane	7.73		"	10.0		77.3	58.9-140		7.35	27.7	
1,2-Dibromoethane	10.4		"	10.0		104	79-130		4.40	23	
1,2-Dichlorobenzene	9.39		"	10.0		93.9	76.1-122		4.07	19.8	
1,2-Dichloroethane	9.47		"	10.0		94.7	74.6-132		7.91	20.2	
1,2-Dichloropropane	10.4		"	10.0		104	76.9-129		0.289	20.7	
1,3,5-Trimethylbenzene	9.61		"	10.0		96.1	70.6-127		2.97	18.9	
1,3-Dichlorobenzene	9.77		"	10.0		97.7	77-124		3.22	19.2	
1,3-Dichloropropane	9.98		"	10.0		99.8	75.8-126		4.03	22.1	
1,4-Dichlorobenzene	9.61		"	10.0		96.1	76.6-125		7.12	18.6	
2,2-Dichloropropane	8.97		"	10.0		89.7	69-133		5.32	19.8	
2-Chlorotoluene	9.73		"	10.0		97.3	66.3-119		4.62	21.6	
2-Hexanone	10.1		"	10.0		101	70-130		6.40	30	
4-Chlorotoluene	9.97		"	10.0		99.7	69.2-127		4.03	19	
Acetone	9.06		"	10.0		90.6	70-130		8.15	30	
Benzene	10.2		"	10.0		102	76.2-129		4.98	19	
Bromobenzene	9.90		"	10.0		99.0	71.3-123		5.50	20.3	
Bromochloromethane	9.90		"	10.0		99.0	70.8-137		5.02	23.9	
Bromodichloromethane	10.7		"	10.0		107	79.7-134		3.31	21	
Bromoform	10.6		"	10.0		106	70.5-141		6.49	21.8	
Bromomethane	13.7		"	10.0		137	43.9-147		3.52	28.4	
Carbon tetrachloride	10.5		"	10.0		105	78.1-138		4.18	20.1	
Chlorobenzene	9.90		"	10.0		99.0	80.4-125		2.99	19.9	
Chloroethane	8.40		"	10.0		84.0	55.8-140		3.74	23.3	
Chloroform	10.2		"	10.0		102	76.6-133		4.77	20.3	
Chloromethane	9.31		"	10.0		93.1	48.8-115		5.03	24.5	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	75.1-128		5.90	20.5	
cis-1,3-Dichloropropylene	10.9		"	10.0		109	74.5-128		3.62	19.9	
Dibromochloromethane	10.7		"	10.0		107	79.8-134		4.38	21.3	
Dibromomethane	10.2		"	10.0		102	79-130		3.83	22.4	
Dichlorodifluoromethane	8.23		"	10.0		82.3	47.1-101		6.47	23.9	
Ethyl Benzene	10.4		"	10.0		104	80.8-128		3.23	19.2	
Hexachlorobutadiene	10.1		"	10.0		101	64.8-128		3.31	20.6	
Isopropylbenzene	10.2		"	10.0		102	75.5-135		2.81	20	
Methyl tert-butyl ether (MTBE)	9.23		"	10.0		92.3	65.1-140		10.6	23.6	
Methylene chloride	11.2		"	10.0		112	61.3-120		4.95	20.4	
Naphthalene	9.90		"	10.0		99.0	62.3-148		5.88	27.1	
n-Butylbenzene	9.82		"	10.0		98.2	67.2-123		4.67	19.1	
n-Propylbenzene	10.3		"	10.0		103	70.5-127		3.53	23.4	
o-Xylene	9.76		"	10.0		97.6	75.9-122		3.62	19.3	



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

**York Analytical Laboratories, Inc.**

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

**Batch BD31361 - EPA 5030B**

**LCS Dup (BD31361-BSD1)**

Prepared & Analyzed: 04/29/2013

p- & m- Xylenes	20.4		ug/L	20.0		102	77.7-127			3.42	18.6		
p-Isopropyltoluene	10.2		"	10.0		102	75.6-129			3.75	19.1		
sec-Butylbenzene	10.3		"	10.0		103	71.5-125			2.87	18.9		
Styrene	8.81		"	10.0		88.1	77.8-123			0.114	20.9		
tert-Butylbenzene	9.89		"	10.0		98.9	75.9-151			6.55	20.9		
Tetrachloroethylene	9.72		"	10.0		97.2	63.6-167			2.14	27.7		
Toluene	10.0		"	10.0		100	77-123			3.73	18.7		
trans-1,2-Dichloroethylene	9.32		"	10.0		93.2	76.3-139			7.14	19.5		
trans-1,3-Dichloropropylene	10.3		"	10.0		103	72.5-137			3.72	19.3		
Trichloroethylene	10.1		"	10.0		101	77.9-130			4.91	20.5		
Trichlorofluoromethane	9.35		"	10.0		93.5	57.4-133			1.80	21.4		
Vinyl Chloride	8.77		"	10.0		87.7	54.9-124			4.35	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>9.97</i>		<i>"</i>	<i>10.0</i>		<i>99.7</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>						

**Batch BD31393 - EPA 5030B**

**Blank (BD31393-BLK1)**

Prepared & Analyzed: 04/30/2013

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	"										



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

**York Analytical Laboratories, Inc.**

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

**Batch BD31393 - EPA 5030B**

**Blank (BD31393-BLK1)**

Prepared & Analyzed: 04/30/2013

Chlorobenzene	ND	0.50	ug/L										
Chloroethane	ND	0.50	"										
Chloroform	ND	0.50	"										
Chloromethane	ND	0.50	"										
cis-1,2-Dichloroethylene	ND	0.50	"										
cis-1,3-Dichloropropylene	ND	0.50	"										
Dibromochloromethane	ND	0.50	"										
Dibromomethane	ND	0.50	"										
Dichlorodifluoromethane	ND	0.50	"										
Ethyl Benzene	ND	0.50	"										
Hexachlorobutadiene	ND	0.50	"										
Isopropylbenzene	ND	0.50	"										
Methyl tert-butyl ether (MTBE)	ND	0.50	"										
Methylene chloride	1.7	2.0	"										
Naphthalene	ND	2.0	"										
n-Butylbenzene	ND	0.50	"										
n-Propylbenzene	ND	0.50	"										
o-Xylene	ND	0.50	"										
p- & m- Xylenes	ND	1.0	"										
p-Isopropyltoluene	ND	0.50	"										
sec-Butylbenzene	ND	0.50	"										
Styrene	ND	0.50	"										
tert-Butylbenzene	ND	0.50	"										
Tetrachloroethylene	ND	0.50	"										
Toluene	ND	0.50	"										
trans-1,2-Dichloroethylene	ND	0.50	"										
trans-1,3-Dichloropropylene	ND	0.50	"										
Trichloroethylene	ND	0.50	"										
Trichlorofluoromethane	ND	0.50	"										
Vinyl Chloride	ND	0.50	"										
Xylenes, Total	ND	1.5	"										
<hr/>													
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>72.6-129</i>						
<i>Surrogate: p-Bromofluorobenzene</i>	<i>12.4</i>		<i>"</i>	<i>10.0</i>		<i>124</i>	<i>63.5-145</i>						
<i>Surrogate: Toluene-d8</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</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
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Batch BD31393 - EPA 5030B

LCS (BD31393-BS1)

Prepared & Analyzed: 04/30/2013

1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82.3-130				
1,1,1-Trichloroethane	10.2		"	10.0		102	75.6-137				
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.33		"	10.0		93.3	71.1-129				
1,1,2-Trichloroethane	10.2		"	10.0		102	74.5-129				
1,1-Dichloroethane	10.4		"	10.0		104	79.6-132				
1,1-Dichloroethylene	9.57		"	10.0		95.7	80.2-146				
1,1-Dichloropropylene	9.78		"	10.0		97.8	75-136				
1,2,3-Trichlorobenzene	10.2		"	10.0		102	66.1-136				
1,2,3-Trichloropropane	12.1		"	10.0		121	63-131				
1,2,4-Trichlorobenzene	9.76		"	10.0		97.6	70.6-136				
1,2,4-Trimethylbenzene	11.2		"	10.0		112	75.3-135				
1,2-Dibromo-3-chloropropane	13.2		"	10.0		132	58.9-140				
1,2-Dibromoethane	10.7		"	10.0		107	79-130				
1,2-Dichlorobenzene	9.94		"	10.0		99.4	76.1-122				
1,2-Dichloroethane	10.7		"	10.0		107	74.6-132				
1,2-Dichloropropane	9.85		"	10.0		98.5	76.9-129				
1,3,5-Trimethylbenzene	11.0		"	10.0		110	70.6-127				
1,3-Dichlorobenzene	10.4		"	10.0		104	77-124				
1,3-Dichloropropane	10.1		"	10.0		101	75.8-126				
1,4-Dichlorobenzene	10.1		"	10.0		101	76.6-125				
2,2-Dichloropropane	10.7		"	10.0		107	69-133				
2-Chlorotoluene	10.6		"	10.0		106	66.3-119				
2-Hexanone	10.0		"	10.0		100	70-130				
4-Chlorotoluene	11.2		"	10.0		112	69.2-127				
Acetone	7.84		"	10.0		78.4	70-130				
Benzene	10.5		"	10.0		105	76.2-129				
Bromobenzene	11.0		"	10.0		110	71.3-123				
Bromochloromethane	11.3		"	10.0		113	70.8-137				
Bromodichloromethane	10.3		"	10.0		103	79.7-134				
Bromoform	10.1		"	10.0		101	70.5-141				
Bromomethane	3.97		"	10.0		39.7	43.9-147	Low Bias			
Carbon tetrachloride	10.0		"	10.0		100	78.1-138				
Chlorobenzene	9.97		"	10.0		99.7	80.4-125				
Chloroethane	8.04		"	10.0		80.4	55.8-140				
Chloroform	10.7		"	10.0		107	76.6-133				
Chloromethane	3.84		"	10.0		38.4	48.8-115	Low Bias			
cis-1,2-Dichloroethylene	10.6		"	10.0		106	75.1-128				
cis-1,3-Dichloropropylene	10.1		"	10.0		101	74.5-128				
Dibromochloromethane	10.7		"	10.0		107	79.8-134				
Dibromomethane	11.2		"	10.0		112	79-130				
Dichlorodifluoromethane	2.13		"	10.0		21.3	47.1-101	Low Bias			
Ethyl Benzene	10.4		"	10.0		104	80.8-128				
Hexachlorobutadiene	10.2		"	10.0		102	64.8-128				
Isopropylbenzene	10.9		"	10.0		109	75.5-135				
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	65.1-140				
Methylene chloride	11.6		"	10.0		116	61.3-120				
Naphthalene	9.49		"	10.0		94.9	62.3-148				
n-Butylbenzene	10.8		"	10.0		108	67.2-123				
n-Propylbenzene	10.9		"	10.0		109	70.5-127				
o-Xylene	9.90		"	10.0		99.0	75.9-122				



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 BD31393 - EPA 5030B

LCS (BD31393-BS1)

Prepared & Analyzed: 04/30/2013

p- & m- Xylenes	20.8		ug/L	20.0		104	77.7-127				
p-Isopropyltoluene	10.8		"	10.0		108	75.6-129				
sec-Butylbenzene	11.0		"	10.0		110	71.5-125				
Styrene	10.0		"	10.0		100	77.8-123				
tert-Butylbenzene	11.1		"	10.0		111	75.9-151				
Tetrachloroethylene	9.80		"	10.0		98.0	63.6-167				
Toluene	10.2		"	10.0		102	77-123				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	76.3-139				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	72.5-137				
Trichloroethylene	10.3		"	10.0		103	77.9-130				
Trichlorofluoromethane	7.92		"	10.0		79.2	57.4-133				
Vinyl Chloride	5.40		"	10.0		54.0	54.9-124	Low Bias			
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	72.6-129				
Surrogate: p-Bromofluorobenzene	10.7		"	10.0		107	63.5-145				
Surrogate: Toluene-d8	10.2		"	10.0		102	81.2-127				

LCS Dup (BD31393-BS1)

Prepared & Analyzed: 04/30/2013

1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82.3-130		2.97	21.1	
1,1,1-Trichloroethane	10.1		"	10.0		101	75.6-137		1.67	19.7	
1,1,2,2-Tetrachloroethane	10.9		"	10.0		109	71.3-131		2.04	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.12		"	10.0		91.2	71.1-129		2.28	21.7	
1,1,2-Trichloroethane	10.0		"	10.0		100	74.5-129		2.27	20.3	
1,1-Dichloroethane	10.0		"	10.0		100	79.6-132		3.72	20.6	
1,1-Dichloroethylene	9.01		"	10.0		90.1	80.2-146		6.03	20	
1,1-Dichloropropylene	9.94		"	10.0		99.4	75-136		1.62	19.3	
1,2,3-Trichlorobenzene	10.8		"	10.0		108	66.1-136		5.15	21.6	
1,2,3-Trichloropropane	14.2		"	10.0		142	63-131	High Bias	16.5	23.9	
1,2,4-Trichlorobenzene	10.8		"	10.0		108	70.6-136		10.4	21.7	
1,2,4-Trimethylbenzene	12.0		"	10.0		120	75.3-135		7.68	18.8	
1,2-Dibromo-3-chloropropane	14.4		"	10.0		144	58.9-140	High Bias	9.42	27.7	
1,2-Dibromoethane	10.1		"	10.0		101	79-130		5.97	23	
1,2-Dichlorobenzene	10.8		"	10.0		108	76.1-122		8.39	19.8	
1,2-Dichloroethane	9.92		"	10.0		99.2	74.6-132		7.75	20.2	
1,2-Dichloropropane	10.6		"	10.0		106	76.9-129		7.71	20.7	
1,3,5-Trimethylbenzene	11.9		"	10.0		119	70.6-127		8.15	18.9	
1,3-Dichlorobenzene	11.1		"	10.0		111	77-124		6.79	19.2	
1,3-Dichloropropane	10.0		"	10.0		100	75.8-126		0.695	22.1	
1,4-Dichlorobenzene	11.7		"	10.0		117	76.6-125		14.8	18.6	
2,2-Dichloropropane	10.3		"	10.0		103	69-133		3.61	19.8	
2-Chlorotoluene	12.0		"	10.0		120	66.3-119	High Bias	12.2	21.6	
2-Hexanone	10.9		"	10.0		109	70-130		8.41	30	
4-Chlorotoluene	12.6		"	10.0		126	69.2-127		11.5	19	
Acetone	7.39		"	10.0		73.9	70-130		5.91	30	
Benzene	10.1		"	10.0		101	76.2-129		4.47	19	
Bromobenzene	11.7		"	10.0		117	71.3-123		6.44	20.3	
Bromochloromethane	10.4		"	10.0		104	70.8-137		8.49	23.9	
Bromodichloromethane	10.5		"	10.0		105	79.7-134		2.50	21	
Bromoform	11.1		"	10.0		111	70.5-141		9.71	21.8	
Bromomethane	4.01		"	10.0		40.1	43.9-147	Low Bias	1.00	28.4	
Carbon tetrachloride	10.2		"	10.0		102	78.1-138		1.58	20.1	
Chlorobenzene	10.5		"	10.0		105	80.4-125		5.27	19.9	
Chloroethane	7.99		"	10.0		79.9	55.8-140		0.624	23.3	



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD31393 - EPA 5030B</b>											
<b>LCS Dup (BD31393-BSD1)</b>											
Prepared & Analyzed: 04/30/2013											
Chloroform	10.5		ug/L	10.0		105	76.6-133		1.60	20.3	
Chloromethane	3.70		"	10.0		37.0	48.8-115	Low Bias	3.71	24.5	
cis-1,2-Dichloroethylene	9.97		"	10.0		99.7	75.1-128		5.94	20.5	
cis-1,3-Dichloropropylene	10.0		"	10.0		100	74.5-128		0.894	19.9	
Dibromochloromethane	11.3		"	10.0		113	79.8-134		5.18	21.3	
Dibromomethane	11.6		"	10.0		116	79-130		3.49	22.4	
Dichlorodifluoromethane	2.19		"	10.0		21.9	47.1-101	Low Bias	2.78	23.9	
Ethyl Benzene	10.9		"	10.0		109	80.8-128		4.69	19.2	
Hexachlorobutadiene	11.7		"	10.0		117	64.8-128		14.0	20.6	
Isopropylbenzene	11.9		"	10.0		119	75.5-135		8.86	20	
Methyl tert-butyl ether (MTBE)	9.23		"	10.0		92.3	65.1-140		8.51	23.6	
Methylene chloride	11.4		"	10.0		114	61.3-120		1.65	20.4	
Naphthalene	11.1		"	10.0		111	62.3-148		15.6	27.1	
n-Butylbenzene	12.1		"	10.0		121	67.2-123		11.5	19.1	
n-Propylbenzene	11.9		"	10.0		119	70.5-127		8.41	23.4	
o-Xylene	10.2		"	10.0		102	75.9-122		3.08	19.3	
p- & m- Xylenes	22.0		"	20.0		110	77.7-127		5.23	18.6	
p-Isopropyltoluene	12.1		"	10.0		121	75.6-129		11.1	19.1	
sec-Butylbenzene	12.6		"	10.0		126	71.5-125	High Bias	13.7	18.9	
Styrene	10.4		"	10.0		104	77.8-123		4.11	20.9	
tert-Butylbenzene	12.5		"	10.0		125	75.9-151		11.7	20.9	
Tetrachloroethylene	10.1		"	10.0		101	63.6-167		3.41	27.7	
Toluene	10.6		"	10.0		106	77-123		4.13	18.7	
trans-1,2-Dichloroethylene	9.51		"	10.0		95.1	76.3-139		5.92	19.5	
trans-1,3-Dichloropropylene	10.1		"	10.0		101	72.5-137		3.13	19.3	
Trichloroethylene	11.4		"	10.0		114	77.9-130		10.2	20.5	
Trichlorofluoromethane	7.99		"	10.0		79.9	57.4-133		0.880	21.4	
Vinyl Chloride	5.24		"	10.0		52.4	54.9-124	Low Bias	3.01	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.12</i>		<i>"</i>	<i>10.0</i>		<i>91.2</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>11.7</i>		<i>"</i>	<i>10.0</i>		<i>117</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 Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13D0931-01	WQ042313:840FRW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0931-02	WQ042313:906FRW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0931-03	WQ042313:1036FRW3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0931-04	WQ042313:1106FRW4	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.
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 unless superseded by written contract.

York Project No. 13D0931

<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	<input type="checkbox"/> Tunde Sandor		<input type="checkbox"/> SAME		<b>Rowe Industries</b>		RUSH Same Day	Summary	x, pdf	
Address: <u>4 Research Drive,</u>	Name: <u>Mark Goldberg</u>	Name: <u>Mark Goldberg</u>		Name: <u>Mark Goldberg</u>		<b>Purchase Order no.</b>		RUSH Next Day	QA/QC Summary	x, pdf	
<u>Suite 301, Shelton CT, 06484</u>	Company: <u>Same</u>	Company: <u>Same</u>		Company: <u>Same</u>		<b>NABSAG</b>		RUSH Two Day	CT RCP Pkg		
Phone no.: <u>203-929-8555</u>	Address: <u>Same</u>	Address: <u>Same</u>		Address: <u>Same</u>				RUSH Three Day	ASP A Pkg		
Contact Person <u>Tunde Sandor</u>	E-mail: <u>tsandor@lbgct.com</u>	E-mail: <u>Same</u>		E-mail: <u>Same</u>				RUSH Four Day	ASP B Pkg	x, pdf	
FAX No.: <u>203-926-9140</u>	Fax No.: <u>Same</u>	Fax No.: <u>Same</u>		Fax No.: <u>Same</u>				Standard (5-7 days)	Excel		
						Samples from: <u>CT_NY_NJ</u>		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.*

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

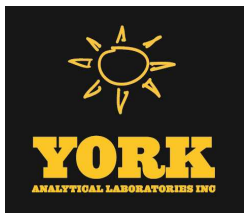
Samples Collected/Authorized By (Signature)  
STEPHEN HWAT / EMM POSTER

Volatiles	Metals	Misc. Org.	Full Lists	Miscellaneous Parameters	Special Instructions
8260 full TICs Site Spec. SPL or TCLP Benzene Nassau Co. Suffolk Co. TAGM Ketones Oxygates TCLP list Arom. Halog. App. IX SPL or TCLP 8021B list	RCRA8 PP13 TAL CT15 Total Dissolved SPL or TCLP Inhib. Metals TCLP list Chloridate Sec. TL, Sb, Cu S, Mn, As, etc.	TPH GRO TPH DRO CT ETPH NY 310-13 TPH 418.1 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium	PH Poll. TCL Ogarks TAL MaxCN Full TCLP Full App. IX Part 300 Metals Part 300 Inerts Part 300 Metals Part 300 Inerts NYC DEP Sewer NYSDOT Sewer TAGM	Nitrate Nitrite TKN Cyanide-T Cyanide-A BOD5 Chloride Phosphate Tot. Phos. OH&Grease F.O.G. pH TDS MIBAS TPH-IR	Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
<u>W2012313 840 FRW1</u>	<u>9/23/13 840</u>	<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B)</u>	<u>3V</u>
<u>W2012313 906 FRW2</u>	<u>906</u>	<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B)</u>	<u>3V</u>
<u>W2012313 1036 FRW3</u>	<u>1036</u>	<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B)</u>	<u>3V</u>
<u>W2012313 1103 FRW4</u>	<u>1103</u>	<u>GW</u>	<u>VOC 8260 full list (EPA SW846-8260B)</u>	<u>3V</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>	

Comments	Cool 4°C	HNO3	H2SO4	NaOH	NONE	FROZEN	Temperature on Receipt
	<u>4/21/13 1650</u>	<u>4/21/13 1650</u>	<u>4/21/13 1650</u>	<u>4/21/13 1650</u>	<u>4/21/13 1650</u>	<u>4/21/13 1650</u>	<u>3.8 °C</u>
	Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Samples Relinquished By	Date/Time	Samples Received in LAB by

**APPENDIX III**  
**APRIL 2013 LABORATORY ANALYTICAL REPORTS**  
**FOR MONITOR WELLS**



# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 05/01/2013

**Client Project ID: ROWE INDUSTRIES**

York Project (SDG) No.: 13D0933

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 05/01/2013  
Client Project ID: ROWE INDUSTRIES  
York Project (SDG) No.: 13D0933

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

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 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>
13D0933-01	MW45A	Water	04/23/2013	04/25/2013
13D0933-02	MW45B	Water	04/23/2013	04/25/2013
13D0933-03	MW9804	Water	04/23/2013	04/25/2013
13D0933-04	MW9805A	Water	04/23/2013	04/25/2013
13D0933-05	MW9805B	Water	04/23/2013	04/25/2013

## **General Notes for York Project (SDG) No.: 13D0933**

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

**Approved By:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 05/01/2013

**YORK**



## Sample Information

**Client Sample ID:** MW45A

**York Sample ID:** 13D0933-01

York Project (SDG) No.  
13D0933

Client Project ID  
ROWE INDUSTRIES

Matrix  
Water

Collection Date/Time  
April 23, 2013 9:15 am

Date Received  
04/25/2013

**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	04/29/2013 09:50	04/30/2013 06:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	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	04/29/2013 09:50	04/30/2013 06:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS



## Sample Information

**Client Sample ID:** MW45A

**York Sample ID:** 13D0933-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0933

ROWE INDUSTRIES

Water

April 23, 2013 9:15 am

04/25/2013

**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
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
75-09-2	Methylene chloride	<b>1.6</b>	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 06:38	SS



### Sample Information

**Client Sample ID:** MW45A

**York Sample ID:** 13D0933-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0933

ROWE INDUSTRIES

Water

April 23, 2013 9:15 am

04/25/2013

**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
	<b>Surrogate Recoveries</b>	<b>Result</b>									
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	107 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	101 %			81.2-127						

### Sample Information

**Client Sample ID:** MW45B

**York Sample ID:** 13D0933-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0933

ROWE INDUSTRIES

Water

April 23, 2013 8:50 am

04/25/2013

**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	04/29/2013 09:50	04/30/2013 07:18	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS



## Sample Information

**Client Sample ID:** MW45B

**York Sample ID:** 13D0933-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0933

ROWE INDUSTRIES

Water

April 23, 2013 8:50 am

04/25/2013

**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	04/29/2013 09:50	04/30/2013 07:18	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
75-09-2	Methylene chloride	1.3	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS



### Sample Information

**Client Sample ID:** MW45B

**York Sample ID:** 13D0933-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0933

ROWE INDUSTRIES

Water

April 23, 2013 8:50 am

04/25/2013

**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
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:18	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	104 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	102 %			81.2-127						

### Sample Information

**Client Sample ID:** MW9804

**York Sample ID:** 13D0933-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0933

ROWE INDUSTRIES

Water

April 23, 2013 9:50 am

04/25/2013

**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	04/29/2013 09:50	04/30/2013 07:58	SS
71-55-6	1,1,1-Trichloroethane	4.2		ug/L	0.024	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	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	04/29/2013 09:50	04/30/2013 07:58	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
75-34-3	1,1-Dichloroethane	0.37	J	ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS



### Sample Information

**Client Sample ID:** MW9804

**York Sample ID:** 13D0933-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0933

ROWE INDUSTRIES

Water

April 23, 2013 9:50 am

04/25/2013

**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
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
156-59-2	cis-1,2-Dichloroethylene	7.0		ug/L	0.069	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS



### Sample Information

**Client Sample ID:** MW9804

**York Sample ID:** 13D0933-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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13D0933

ROWE INDUSTRIES

Water

April 23, 2013 9:50 am

04/25/2013

**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
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
75-09-2	Methylene chloride	1.2	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
127-18-4	Tetrachloroethylene	310		ug/L	0.70	5.0	10	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 15:51	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
79-01-6	Trichloroethylene	8.5		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 07:58	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	112 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	102 %	81.2-127								

### Sample Information

**Client Sample ID:** MW9805A

**York Sample ID:** 13D0933-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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13D0933

ROWE INDUSTRIES

Water

April 23, 2013 9:31 am

04/25/2013



## Sample Information

**Client Sample ID:** MW9805A

**York Sample ID:** 13D0933-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0933

ROWE INDUSTRIES

Water

April 23, 2013 9:31 am

04/25/2013

**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	04/29/2013 09:50	04/30/2013 08:38	SS
71-55-6	1,1,1-Trichloroethane	<b>0.67</b>		ug/L	0.024	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
75-34-3	1,1-Dichloroethane	<b>1.4</b>		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
75-35-4	1,1-Dichloroethylene	<b>0.14</b>	J	ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
67-64-1	Acetone	<b>15</b>	B	ug/L	0.90	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
71-43-2	Benzene	<b>0.33</b>	J	ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS



### Sample Information

**Client Sample ID:** MW9805A

**York Sample ID:** 13D0933-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0933

ROWE INDUSTRIES

Water

April 23, 2013 9:31 am

04/25/2013

**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	04/29/2013 09:50	04/30/2013 08:38	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
156-59-2	cis-1,2-Dichloroethylene	<b>160</b>		ug/L	0.34	2.5	5	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 16:27	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
100-41-4	Ethyl Benzene	<b>0.11</b>	J	ug/L	0.057	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
75-09-2	Methylene chloride	<b>1.0</b>	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
179601-23-1	p- & m- Xylenes	<b>0.11</b>	J	ug/L	0.090	1.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
127-18-4	Tetrachloroethylene	<b>8.4</b>		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
108-88-3	Toluene	<b>0.34</b>	J	ug/L	0.042	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
156-60-5	trans-1,2-Dichloroethylene	<b>0.19</b>	J	ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
79-01-6	Trichloroethylene	<b>3.7</b>		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 08:38	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			72.6-129						



### Sample Information

**Client Sample ID:** MW9805A

**York Sample ID:** 13D0933-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0933

ROWE INDUSTRIES

Water

April 23, 2013 9:31 am

04/25/2013

#### 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
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	102 %			81.2-127						

### Sample Information

**Client Sample ID:** MW9805B

**York Sample ID:** 13D0933-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0933

ROWE INDUSTRIES

Water

April 23, 2013 10:03 am

04/25/2013

#### 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	04/29/2013 09:50	04/30/2013 09:17	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	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	04/29/2013 09:50	04/30/2013 09:17	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS



### Sample Information

**Client Sample ID:** MW9805B

**York Sample ID:** 13D0933-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0933

ROWE INDUSTRIES

Water

April 23, 2013 10:03 am

04/25/2013

**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
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
67-64-1	Acetone	2.0	B	ug/L	0.90	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
71-43-2	Benzene	0.42	J	ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
156-59-2	cis-1,2-Dichloroethylene	0.49	J	ug/L	0.069	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
75-09-2	Methylene chloride	1.2	J, B	ug/L	0.26	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS



**Sample Information**

**Client Sample ID:** MW9805B

**York Sample ID:** 13D0933-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0933

ROWE INDUSTRIES

Water

April 23, 2013 10:03 am

04/25/2013

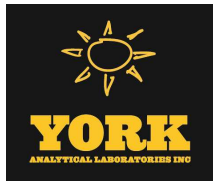
**Volatile Organics, 8260 List - Low Level**

**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	04/29/2013 09:50	04/30/2013 09:17	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
127-18-4	Tetrachloroethylene	<b>0.30</b>	J	ug/L	0.070	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
108-88-3	Toluene	<b>0.25</b>	J	ug/L	0.042	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
79-01-6	Trichloroethylene	<b>0.75</b>		ug/L	0.071	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/29/2013 09:50	04/30/2013 09:17	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	110 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	101 %	81.2-127								



## Analytical Batch Summary

**Batch ID:** BD31361

**Preparation Method:** EPA 5030B

**Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13D0933-01	MW45A	04/29/13
13D0933-02	MW45B	04/29/13
13D0933-03	MW9804	04/29/13
13D0933-04	MW9805A	04/29/13
13D0933-05	MW9805B	04/29/13
BD31361-BLK1	Blank	04/29/13
BD31361-BS1	LCS	04/29/13
BD31361-BSD1	LCS Dup	04/29/13

**Batch ID:** BD31393

**Preparation Method:** EPA 5030B

**Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13D0933-03RE1	MW9804	04/30/13
13D0933-04RE1	MW9805A	04/30/13
BD31393-BLK1	Blank	04/30/13
BD31393-BS1	LCS	04/30/13
BD31393-BSD1	LCS Dup	04/30/13



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

**York Analytical Laboratories, Inc.**

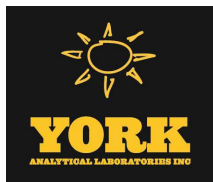
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD31361 - EPA 5030B**

**Blank (BD31361-BLK1)**

Prepared & Analyzed: 04/29/2013

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	1.9	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	2.9	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



Volatile Organic Compounds by 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 BD31361 - EPA 5030B

Blank (BD31361-BLK1)

Prepared & Analyzed: 04/29/2013

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

Surrogate: 1,2-Dichloroethane-d4

10.7 " 10.0 107 72.6-129

Surrogate: p-Bromofluorobenzene

10.8 " 10.0 108 63.5-145

Surrogate: Toluene-d8

10.1 " 10.0 101 81.2-127

LCS (BD31361-BS1)

Prepared & Analyzed: 04/29/2013

1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0	110	82.3-130
1,1,1-Trichloroethane	11.1		"	10.0	111	75.6-137
1,1,2,2-Tetrachloroethane	10.4		"	10.0	104	71.3-131
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.42		"	10.0	94.2	71.1-129
1,1,2-Trichloroethane	10.7		"	10.0	107	74.5-129
1,1-Dichloroethane	10.8		"	10.0	108	79.6-132
1,1-Dichloroethylene	9.01		"	10.0	90.1	80.2-146
1,1-Dichloropropylene	9.90		"	10.0	99.0	75-136
1,2,3-Trichlorobenzene	12.3		"	10.0	123	66.1-136
1,2,3-Trichloropropane	10.1		"	10.0	101	63-131
1,2,4-Trichlorobenzene	12.4		"	10.0	124	70.6-136
1,2,4-Trimethylbenzene	9.65		"	10.0	96.5	75.3-135
1,2-Dibromo-3-chloropropane	8.32		"	10.0	83.2	58.9-140
1,2-Dibromoethane	10.9		"	10.0	109	79-130
1,2-Dichlorobenzene	9.78		"	10.0	97.8	76.1-122
1,2-Dichloroethane	10.2		"	10.0	102	74.6-132
1,2-Dichloropropane	10.4		"	10.0	104	76.9-129
1,3,5-Trimethylbenzene	9.90		"	10.0	99.0	70.6-127
1,3-Dichlorobenzene	10.1		"	10.0	101	77-124
1,3-Dichloropropane	10.4		"	10.0	104	75.8-126
1,4-Dichlorobenzene	10.3		"	10.0	103	76.6-125
2,2-Dichloropropane	9.46		"	10.0	94.6	69-133
2-Chlorotoluene	10.2		"	10.0	102	66.3-119
2-Hexanone	10.8		"	10.0	108	70-130
4-Chlorotoluene	10.4		"	10.0	104	69.2-127
Acetone	9.83		"	10.0	98.3	70-130
Benzene	10.7		"	10.0	107	76.2-129
Bromobenzene	10.5		"	10.0	105	71.3-123
Bromochloromethane	10.4		"	10.0	104	70.8-137
Bromodichloromethane	11.0		"	10.0	110	79.7-134
Bromoform	11.3		"	10.0	113	70.5-141
Bromomethane	14.2		"	10.0	142	43.9-147
Carbon tetrachloride	11.0		"	10.0	110	78.1-138
Chlorobenzene	10.2		"	10.0	102	80.4-125



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

**York Analytical Laboratories, Inc.**

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

**Batch BD31361 - EPA 5030B**

**LCS (BD31361-BS1)**

Prepared & Analyzed: 04/29/2013

Chloroethane	8.72		ug/L	10.0		87.2	55.8-140						
Chloroform	10.7		"	10.0		107	76.6-133						
Chloromethane	9.79		"	10.0		97.9	48.8-115						
cis-1,2-Dichloroethylene	10.8		"	10.0		108	75.1-128						
cis-1,3-Dichloropropylene	11.3		"	10.0		113	74.5-128						
Dibromochloromethane	11.2		"	10.0		112	79.8-134						
Dibromomethane	10.6		"	10.0		106	79-130						
Dichlorodifluoromethane	8.78		"	10.0		87.8	47.1-101						
Ethyl Benzene	10.7		"	10.0		107	80.8-128						
Hexachlorobutadiene	10.4		"	10.0		104	64.8-128						
Isopropylbenzene	10.5		"	10.0		105	75.5-135						
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	65.1-140						
Methylene chloride	11.8		"	10.0		118	61.3-120						
Naphthalene	10.5		"	10.0		105	62.3-148						
n-Butylbenzene	10.3		"	10.0		103	67.2-123						
n-Propylbenzene	10.7		"	10.0		107	70.5-127						
o-Xylene	10.1		"	10.0		101	75.9-122						
p- & m- Xylenes	21.1		"	20.0		106	77.7-127						
p-Isopropyltoluene	10.6		"	10.0		106	75.6-129						
sec-Butylbenzene	10.6		"	10.0		106	71.5-125						
Styrene	8.80		"	10.0		88.0	77.8-123						
tert-Butylbenzene	10.6		"	10.0		106	75.9-151						
Tetrachloroethylene	9.93		"	10.0		99.3	63.6-167						
Toluene	10.4		"	10.0		104	77-123						
trans-1,2-Dichloroethylene	10.0		"	10.0		100	76.3-139						
trans-1,3-Dichloropropylene	10.7		"	10.0		107	72.5-137						
Trichloroethylene	10.6		"	10.0		106	77.9-130						
Trichlorofluoromethane	9.52		"	10.0		95.2	57.4-133						
Vinyl Chloride	9.16		"	10.0		91.6	54.9-124						
<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>9.99</i>		<i>"</i>	<i>10.0</i>		<i>99.9</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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BD31361 - EPA 5030B</b>											
<b>LCS Dup (BD31361-BSD1)</b>											
										Prepared & Analyzed: 04/29/2013	
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82.3-130		3.34	21.1	
1,1,1-Trichloroethane	10.5		"	10.0		105	75.6-137		5.27	19.7	
1,1,2,2-Tetrachloroethane	9.86		"	10.0		98.6	71.3-131		5.62	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.01		"	10.0		90.1	71.1-129		4.45	21.7	
1,1,2-Trichloroethane	10.0		"	10.0		100	74.5-129		6.27	20.3	
1,1-Dichloroethane	10.1		"	10.0		101	79.6-132		6.88	20.6	
1,1-Dichloroethylene	8.66		"	10.0		86.6	80.2-146		3.96	20	
1,1-Dichloropropylene	9.37		"	10.0		93.7	75-136		5.50	19.3	
1,2,3-Trichlorobenzene	11.4		"	10.0		114	66.1-136		8.02	21.6	
1,2,3-Trichloropropane	10.1		"	10.0		101	63-131		0.396	23.9	
1,2,4-Trichlorobenzene	11.3		"	10.0		113	70.6-136		8.77	21.7	
1,2,4-Trimethylbenzene	9.36		"	10.0		93.6	75.3-135		3.05	18.8	
1,2-Dibromo-3-chloropropane	7.73		"	10.0		77.3	58.9-140		7.35	27.7	
1,2-Dibromoethane	10.4		"	10.0		104	79-130		4.40	23	
1,2-Dichlorobenzene	9.39		"	10.0		93.9	76.1-122		4.07	19.8	
1,2-Dichloroethane	9.47		"	10.0		94.7	74.6-132		7.91	20.2	
1,2-Dichloropropane	10.4		"	10.0		104	76.9-129		0.289	20.7	
1,3,5-Trimethylbenzene	9.61		"	10.0		96.1	70.6-127		2.97	18.9	
1,3-Dichlorobenzene	9.77		"	10.0		97.7	77-124		3.22	19.2	
1,3-Dichloropropane	9.98		"	10.0		99.8	75.8-126		4.03	22.1	
1,4-Dichlorobenzene	9.61		"	10.0		96.1	76.6-125		7.12	18.6	
2,2-Dichloropropane	8.97		"	10.0		89.7	69-133		5.32	19.8	
2-Chlorotoluene	9.73		"	10.0		97.3	66.3-119		4.62	21.6	
2-Hexanone	10.1		"	10.0		101	70-130		6.40	30	
4-Chlorotoluene	9.97		"	10.0		99.7	69.2-127		4.03	19	
Acetone	9.06		"	10.0		90.6	70-130		8.15	30	
Benzene	10.2		"	10.0		102	76.2-129		4.98	19	
Bromobenzene	9.90		"	10.0		99.0	71.3-123		5.50	20.3	
Bromochloromethane	9.90		"	10.0		99.0	70.8-137		5.02	23.9	
Bromodichloromethane	10.7		"	10.0		107	79.7-134		3.31	21	
Bromoform	10.6		"	10.0		106	70.5-141		6.49	21.8	
Bromomethane	13.7		"	10.0		137	43.9-147		3.52	28.4	
Carbon tetrachloride	10.5		"	10.0		105	78.1-138		4.18	20.1	
Chlorobenzene	9.90		"	10.0		99.0	80.4-125		2.99	19.9	
Chloroethane	8.40		"	10.0		84.0	55.8-140		3.74	23.3	
Chloroform	10.2		"	10.0		102	76.6-133		4.77	20.3	
Chloromethane	9.31		"	10.0		93.1	48.8-115		5.03	24.5	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	75.1-128		5.90	20.5	
cis-1,3-Dichloropropylene	10.9		"	10.0		109	74.5-128		3.62	19.9	
Dibromochloromethane	10.7		"	10.0		107	79.8-134		4.38	21.3	
Dibromomethane	10.2		"	10.0		102	79-130		3.83	22.4	
Dichlorodifluoromethane	8.23		"	10.0		82.3	47.1-101		6.47	23.9	
Ethyl Benzene	10.4		"	10.0		104	80.8-128		3.23	19.2	
Hexachlorobutadiene	10.1		"	10.0		101	64.8-128		3.31	20.6	
Isopropylbenzene	10.2		"	10.0		102	75.5-135		2.81	20	
Methyl tert-butyl ether (MTBE)	9.23		"	10.0		92.3	65.1-140		10.6	23.6	
Methylene chloride	11.2		"	10.0		112	61.3-120		4.95	20.4	
Naphthalene	9.90		"	10.0		99.0	62.3-148		5.88	27.1	
n-Butylbenzene	9.82		"	10.0		98.2	67.2-123		4.67	19.1	
n-Propylbenzene	10.3		"	10.0		103	70.5-127		3.53	23.4	
o-Xylene	9.76		"	10.0		97.6	75.9-122		3.62	19.3	



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

**York Analytical Laboratories, Inc.**

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

**Batch BD31361 - EPA 5030B**

**LCS Dup (BD31361-BSD1)**

Prepared & Analyzed: 04/29/2013

p- & m- Xylenes	20.4		ug/L	20.0		102	77.7-127			3.42	18.6
p-Isopropyltoluene	10.2		"	10.0		102	75.6-129			3.75	19.1
sec-Butylbenzene	10.3		"	10.0		103	71.5-125			2.87	18.9
Styrene	8.81		"	10.0		88.1	77.8-123			0.114	20.9
tert-Butylbenzene	9.89		"	10.0		98.9	75.9-151			6.55	20.9
Tetrachloroethylene	9.72		"	10.0		97.2	63.6-167			2.14	27.7
Toluene	10.0		"	10.0		100	77-123			3.73	18.7
trans-1,2-Dichloroethylene	9.32		"	10.0		93.2	76.3-139			7.14	19.5
trans-1,3-Dichloropropylene	10.3		"	10.0		103	72.5-137			3.72	19.3
Trichloroethylene	10.1		"	10.0		101	77.9-130			4.91	20.5
Trichlorofluoromethane	9.35		"	10.0		93.5	57.4-133			1.80	21.4
Vinyl Chloride	8.77		"	10.0		87.7	54.9-124			4.35	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>9.97</i>		<i>"</i>	<i>10.0</i>		<i>99.7</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>				

**Batch BD31393 - EPA 5030B**

**Blank (BD31393-BLK1)**

Prepared & Analyzed: 04/30/2013

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	"								



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

**York Analytical Laboratories, Inc.**

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

**Batch BD31393 - EPA 5030B**

**Blank (BD31393-BLK1)**

Prepared & Analyzed: 04/30/2013

Chlorobenzene	ND	0.50	ug/L										
Chloroethane	ND	0.50	"										
Chloroform	ND	0.50	"										
Chloromethane	ND	0.50	"										
cis-1,2-Dichloroethylene	ND	0.50	"										
cis-1,3-Dichloropropylene	ND	0.50	"										
Dibromochloromethane	ND	0.50	"										
Dibromomethane	ND	0.50	"										
Dichlorodifluoromethane	ND	0.50	"										
Ethyl Benzene	ND	0.50	"										
Hexachlorobutadiene	ND	0.50	"										
Isopropylbenzene	ND	0.50	"										
Methyl tert-butyl ether (MTBE)	ND	0.50	"										
Methylene chloride	1.7	2.0	"										
Naphthalene	ND	2.0	"										
n-Butylbenzene	ND	0.50	"										
n-Propylbenzene	ND	0.50	"										
o-Xylene	ND	0.50	"										
p- & m- Xylenes	ND	1.0	"										
p-Isopropyltoluene	ND	0.50	"										
sec-Butylbenzene	ND	0.50	"										
Styrene	ND	0.50	"										
tert-Butylbenzene	ND	0.50	"										
Tetrachloroethylene	ND	0.50	"										
Toluene	ND	0.50	"										
trans-1,2-Dichloroethylene	ND	0.50	"										
trans-1,3-Dichloropropylene	ND	0.50	"										
Trichloroethylene	ND	0.50	"										
Trichlorofluoromethane	ND	0.50	"										
Vinyl Chloride	ND	0.50	"										
Xylenes, Total	ND	1.5	"										
<hr/>													
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>72.6-129</i>						
<i>Surrogate: p-Bromofluorobenzene</i>	<i>12.4</i>		<i>"</i>	<i>10.0</i>		<i>124</i>	<i>63.5-145</i>						
<i>Surrogate: Toluene-d8</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</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
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Batch BD31393 - EPA 5030B

LCS (BD31393-BS1)

Prepared & Analyzed: 04/30/2013

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82.3-130				
1,1,1-Trichloroethane	10.2		"	10.0		102	75.6-137				
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.33		"	10.0		93.3	71.1-129				
1,1,2-Trichloroethane	10.2		"	10.0		102	74.5-129				
1,1-Dichloroethane	10.4		"	10.0		104	79.6-132				
1,1-Dichloroethylene	9.57		"	10.0		95.7	80.2-146				
1,1-Dichloropropylene	9.78		"	10.0		97.8	75-136				
1,2,3-Trichlorobenzene	10.2		"	10.0		102	66.1-136				
1,2,3-Trichloropropane	12.1		"	10.0		121	63-131				
1,2,4-Trichlorobenzene	9.76		"	10.0		97.6	70.6-136				
1,2,4-Trimethylbenzene	11.2		"	10.0		112	75.3-135				
1,2-Dibromo-3-chloropropane	13.2		"	10.0		132	58.9-140				
1,2-Dibromoethane	10.7		"	10.0		107	79-130				
1,2-Dichlorobenzene	9.94		"	10.0		99.4	76.1-122				
1,2-Dichloroethane	10.7		"	10.0		107	74.6-132				
1,2-Dichloropropane	9.85		"	10.0		98.5	76.9-129				
1,3,5-Trimethylbenzene	11.0		"	10.0		110	70.6-127				
1,3-Dichlorobenzene	10.4		"	10.0		104	77-124				
1,3-Dichloropropane	10.1		"	10.0		101	75.8-126				
1,4-Dichlorobenzene	10.1		"	10.0		101	76.6-125				
2,2-Dichloropropane	10.7		"	10.0		107	69-133				
2-Chlorotoluene	10.6		"	10.0		106	66.3-119				
2-Hexanone	10.0		"	10.0		100	70-130				
4-Chlorotoluene	11.2		"	10.0		112	69.2-127				
Acetone	7.84		"	10.0		78.4	70-130				
Benzene	10.5		"	10.0		105	76.2-129				
Bromobenzene	11.0		"	10.0		110	71.3-123				
Bromochloromethane	11.3		"	10.0		113	70.8-137				
Bromodichloromethane	10.3		"	10.0		103	79.7-134				
Bromoform	10.1		"	10.0		101	70.5-141				
Bromomethane	3.97		"	10.0		39.7	43.9-147	Low Bias			
Carbon tetrachloride	10.0		"	10.0		100	78.1-138				
Chlorobenzene	9.97		"	10.0		99.7	80.4-125				
Chloroethane	8.04		"	10.0		80.4	55.8-140				
Chloroform	10.7		"	10.0		107	76.6-133				
Chloromethane	3.84		"	10.0		38.4	48.8-115	Low Bias			
cis-1,2-Dichloroethylene	10.6		"	10.0		106	75.1-128				
cis-1,3-Dichloropropylene	10.1		"	10.0		101	74.5-128				
Dibromochloromethane	10.7		"	10.0		107	79.8-134				
Dibromomethane	11.2		"	10.0		112	79-130				
Dichlorodifluoromethane	2.13		"	10.0		21.3	47.1-101	Low Bias			
Ethyl Benzene	10.4		"	10.0		104	80.8-128				
Hexachlorobutadiene	10.2		"	10.0		102	64.8-128				
Isopropylbenzene	10.9		"	10.0		109	75.5-135				
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	65.1-140				
Methylene chloride	11.6		"	10.0		116	61.3-120				
Naphthalene	9.49		"	10.0		94.9	62.3-148				
n-Butylbenzene	10.8		"	10.0		108	67.2-123				
n-Propylbenzene	10.9		"	10.0		109	70.5-127				
o-Xylene	9.90		"	10.0		99.0	75.9-122				



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 BD31393 - EPA 5030B

LCS (BD31393-BS1)

Prepared & Analyzed: 04/30/2013

p- & m- Xylenes	20.8		ug/L	20.0		104	77.7-127				
p-Isopropyltoluene	10.8		"	10.0		108	75.6-129				
sec-Butylbenzene	11.0		"	10.0		110	71.5-125				
Styrene	10.0		"	10.0		100	77.8-123				
tert-Butylbenzene	11.1		"	10.0		111	75.9-151				
Tetrachloroethylene	9.80		"	10.0		98.0	63.6-167				
Toluene	10.2		"	10.0		102	77-123				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	76.3-139				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	72.5-137				
Trichloroethylene	10.3		"	10.0		103	77.9-130				
Trichlorofluoromethane	7.92		"	10.0		79.2	57.4-133				
Vinyl Chloride	5.40		"	10.0		54.0	54.9-124	Low Bias			
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	72.6-129				
Surrogate: p-Bromofluorobenzene	10.7		"	10.0		107	63.5-145				
Surrogate: Toluene-d8	10.2		"	10.0		102	81.2-127				

LCS Dup (BD31393-BS1)

Prepared & Analyzed: 04/30/2013

1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82.3-130		2.97	21.1	
1,1,1-Trichloroethane	10.1		"	10.0		101	75.6-137		1.67	19.7	
1,1,2,2-Tetrachloroethane	10.9		"	10.0		109	71.3-131		2.04	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.12		"	10.0		91.2	71.1-129		2.28	21.7	
1,1,2-Trichloroethane	10.0		"	10.0		100	74.5-129		2.27	20.3	
1,1-Dichloroethane	10.0		"	10.0		100	79.6-132		3.72	20.6	
1,1-Dichloroethylene	9.01		"	10.0		90.1	80.2-146		6.03	20	
1,1-Dichloropropylene	9.94		"	10.0		99.4	75-136		1.62	19.3	
1,2,3-Trichlorobenzene	10.8		"	10.0		108	66.1-136		5.15	21.6	
1,2,3-Trichloropropane	14.2		"	10.0		142	63-131	High Bias	16.5	23.9	
1,2,4-Trichlorobenzene	10.8		"	10.0		108	70.6-136		10.4	21.7	
1,2,4-Trimethylbenzene	12.0		"	10.0		120	75.3-135		7.68	18.8	
1,2-Dibromo-3-chloropropane	14.4		"	10.0		144	58.9-140	High Bias	9.42	27.7	
1,2-Dibromoethane	10.1		"	10.0		101	79-130		5.97	23	
1,2-Dichlorobenzene	10.8		"	10.0		108	76.1-122		8.39	19.8	
1,2-Dichloroethane	9.92		"	10.0		99.2	74.6-132		7.75	20.2	
1,2-Dichloropropane	10.6		"	10.0		106	76.9-129		7.71	20.7	
1,3,5-Trimethylbenzene	11.9		"	10.0		119	70.6-127		8.15	18.9	
1,3-Dichlorobenzene	11.1		"	10.0		111	77-124		6.79	19.2	
1,3-Dichloropropane	10.0		"	10.0		100	75.8-126		0.695	22.1	
1,4-Dichlorobenzene	11.7		"	10.0		117	76.6-125		14.8	18.6	
2,2-Dichloropropane	10.3		"	10.0		103	69-133		3.61	19.8	
2-Chlorotoluene	12.0		"	10.0		120	66.3-119	High Bias	12.2	21.6	
2-Hexanone	10.9		"	10.0		109	70-130		8.41	30	
4-Chlorotoluene	12.6		"	10.0		126	69.2-127		11.5	19	
Acetone	7.39		"	10.0		73.9	70-130		5.91	30	
Benzene	10.1		"	10.0		101	76.2-129		4.47	19	
Bromobenzene	11.7		"	10.0		117	71.3-123		6.44	20.3	
Bromochloromethane	10.4		"	10.0		104	70.8-137		8.49	23.9	
Bromodichloromethane	10.5		"	10.0		105	79.7-134		2.50	21	
Bromoform	11.1		"	10.0		111	70.5-141		9.71	21.8	
Bromomethane	4.01		"	10.0		40.1	43.9-147	Low Bias	1.00	28.4	
Carbon tetrachloride	10.2		"	10.0		102	78.1-138		1.58	20.1	
Chlorobenzene	10.5		"	10.0		105	80.4-125		5.27	19.9	
Chloroethane	7.99		"	10.0		79.9	55.8-140		0.624	23.3	



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

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BD31393 - EPA 5030B**

**LCS Dup (BD31393-BSD1)**

Prepared & Analyzed: 04/30/2013

Chloroform	10.5		ug/L	10.0		105	76.6-133		1.60	20.3	
Chloromethane	3.70		"	10.0		37.0	48.8-115	Low Bias	3.71	24.5	
cis-1,2-Dichloroethylene	9.97		"	10.0		99.7	75.1-128		5.94	20.5	
cis-1,3-Dichloropropylene	10.0		"	10.0		100	74.5-128		0.894	19.9	
Dibromochloromethane	11.3		"	10.0		113	79.8-134		5.18	21.3	
Dibromomethane	11.6		"	10.0		116	79-130		3.49	22.4	
Dichlorodifluoromethane	2.19		"	10.0		21.9	47.1-101	Low Bias	2.78	23.9	
Ethyl Benzene	10.9		"	10.0		109	80.8-128		4.69	19.2	
Hexachlorobutadiene	11.7		"	10.0		117	64.8-128		14.0	20.6	
Isopropylbenzene	11.9		"	10.0		119	75.5-135		8.86	20	
Methyl tert-butyl ether (MTBE)	9.23		"	10.0		92.3	65.1-140		8.51	23.6	
Methylene chloride	11.4		"	10.0		114	61.3-120		1.65	20.4	
Naphthalene	11.1		"	10.0		111	62.3-148		15.6	27.1	
n-Butylbenzene	12.1		"	10.0		121	67.2-123		11.5	19.1	
n-Propylbenzene	11.9		"	10.0		119	70.5-127		8.41	23.4	
o-Xylene	10.2		"	10.0		102	75.9-122		3.08	19.3	
p- & m- Xylenes	22.0		"	20.0		110	77.7-127		5.23	18.6	
p-Isopropyltoluene	12.1		"	10.0		121	75.6-129		11.1	19.1	
sec-Butylbenzene	12.6		"	10.0		126	71.5-125	High Bias	13.7	18.9	
Styrene	10.4		"	10.0		104	77.8-123		4.11	20.9	
tert-Butylbenzene	12.5		"	10.0		125	75.9-151		11.7	20.9	
Tetrachloroethylene	10.1		"	10.0		101	63.6-167		3.41	27.7	
Toluene	10.6		"	10.0		106	77-123		4.13	18.7	
trans-1,2-Dichloroethylene	9.51		"	10.0		95.1	76.3-139		5.92	19.5	
trans-1,3-Dichloropropylene	10.1		"	10.0		101	72.5-137		3.13	19.3	
Trichloroethylene	11.4		"	10.0		114	77.9-130		10.2	20.5	
Trichlorofluoromethane	7.99		"	10.0		79.9	57.4-133		0.880	21.4	
Vinyl Chloride	5.24		"	10.0		52.4	54.9-124	Low Bias	3.01	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.12</i>		<i>"</i>	<i>10.0</i>		<i>91.2</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>11.7</i>		<i>"</i>	<i>10.0</i>		<i>117</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 Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13D0933-01	MW45A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0933-02	MW45B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0933-03	MW9804	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0933-04	MW9805A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0933-05	MW9805B	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.
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 unless superseded by written contract.

York Project No. 13D0933

<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 checked="" type="checkbox"/> SAME	<input type="checkbox"/> Tunde Sandor	<input type="checkbox"/> SAME	Name: <u>Mark Goldberg</u>		RUSH Same Day	Summary	x, pdf			
Address: <u>4 Research Drive,</u>	Name: <u>Tunde Sandor</u>	Company: <u>Same</u>	Address: <u>Same</u>	Company: <u>Same</u>		RUSH Next Day	QA/QC Summary	x, pdf			
Phone no.: <u>203-929-8555</u>	Address: <u>Same</u>					RUSH Two Day	CT RCP Pkg				
Contact Person: <u>Tunde Sandor</u>						RUSH Three Day	ASP A Pkg				
E-mail Addr.: <u>Tsandor@lbgct.com</u>	E-mail: <u>Same</u>					RUSH Four Day	ASP B Pkg	x, pdf			
FAX No.: <u>203-926-9140</u>	Fax No.: <u>Same</u>					Standard (5-7 days)	Excel				
						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.*

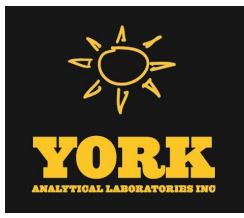
Matrix Codes  
S - soil  
Other - specify (oil, etc.)  
W-W - wastewater  
GW - groundwater  
DW - drinking water  
Air-A - ambient air  
Air-SV - soil vapor

Samples Collected/Authorized By (Signature)  
STEPHEN FINAT  
Name (printed)  
EVAN FOSTER

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW45A	4/23/13 915	GW	VOC 8260 full list (EPA SW846-8260B)	3v
MW45B	850	GW	VOC 8260 full list (EPA SW846-8260B)	3v
MW9804	950	GW	VOC 8260 full list (EPA SW846-8260B)	3v
MW9805A	931	GW	VOC 8260 full list (EPA SW846-8260B)	3v
MW9805B	1003	GW	VOC 8260 full list (EPA SW846-8260B)	3v
		GW	VOC 8260 full list (EPA SW846-8260B)	
		GW	VOC 8260 full list (EPA SW846-8260B)	
		GW	VOC 8260 full list (EPA SW846-8260B)	

Comments	Cool 4°C	HNO3	H2SO4	NaOH	NONE	FROZEN	Temperature on Receipt
							3.8 °C
	Samples Relinquished By	Date/Time	Samples Received By	Date/Time			
	<u>[Signature]</u>	4/24/13 1650	<u>Trudge LA</u>	4/24/13 1650			
	Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time			
			<u>Peace</u>	4/25/13 1415			

**APPENDIX IV**  
**APRIL 2013 LABORATORY ANALYTICAL REPORTS**  
**FOR AIR SAMPLES**



# Technical Report

prepared for:

**Leggette Brashears & Graham Shelton Office**

4 Research Drive, Suite 301

Shelton CT, 06484

**Attention: Tunde Komuves-Sandor**

Report Date: 05/02/2013

**Client Project ID: Rowe Industries**

York Project (SDG) No.: 13D0912

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 05/02/2013  
Client Project ID: Rowe Industries  
York Project (SDG) No.: 13D0912

**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 April 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>
13D0912-01	AQ042213:1600NP4-1	Vapor Extraction	04/22/2013	04/25/2013
13D0912-02	AQ042213:1605NP4-2	Vapor Extraction	04/22/2013	04/25/2013
13D0912-03	AQ042213:1610NP4-3	Vapor Extraction	04/22/2013	04/25/2013

## General Notes for York Project (SDG) No.: 13D0912

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

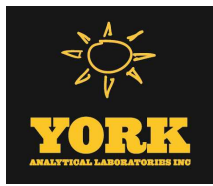
Approved By:



Benjamin Gulizia  
Laboratory Director

Date: 05/02/2013

**YORK**



## Sample Information

**Client Sample ID:** AQ042213:1600NP4-1

**York Sample ID:** 13D0912-01

York Project (SDG) No.  
13D0912

Client Project ID  
Rowe Industries

Matrix  
Vapor Extraction

Collection Date/Time  
April 22, 2013 4:00 pm

Date Received  
04/25/2013

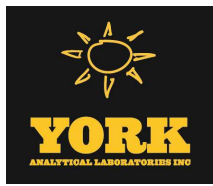
**Volatile Organics, EPA TO15 Full List**

**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>	0.44	0.44	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.60	0.60	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.46	0.46	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.78	0.78	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.68	0.68	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
108-88-3	Toluene	<b>1.3</b>		ug/m <sup>3</sup>	0.64	0.64	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
109-99-9	Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.50	0.50	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
127-18-4	Tetrachloroethylene	<b>6.6</b>		ug/m <sup>3</sup>	1.2	1.2	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.73	0.73	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
115-07-01	Propylene	ND		ug/m <sup>3</sup>	0.29	0.29	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
622-96-8	p-Ethyltoluene	ND		ug/m <sup>3</sup>	4.2	4.2	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
179601-23-1	p- & m- Xylenes	<b>2.2</b>		ug/m <sup>3</sup>	0.74	0.74	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	0.74	0.74	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
110-54-3	n-Hexane	<b>1.6</b>		ug/m <sup>3</sup>	0.60	0.60	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.70	0.70	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
75-09-2	Methylene chloride	<b>2.6</b>	B	ug/m <sup>3</sup>	0.59	0.59	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.61	0.61	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.70	0.70	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
67-63-0	Isopropanol	<b>4.3</b>		ug/m <sup>3</sup>	0.42	0.42	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.8	1.8	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	0.74	0.74	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
141-78-6	Ethyl acetate	ND		ug/m <sup>3</sup>	0.62	0.62	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.59	0.59	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.78	0.78	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.68	0.68	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.35	0.35	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.83	0.83	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.45	0.45	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.54	0.54	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
75-15-0	Carbon disulfide	<b>4.3</b>		ug/m <sup>3</sup>	0.53	0.53	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.66	0.66	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.8	1.8	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD



### Sample Information

**Client Sample ID:** AQ042213:1600NP4-1

**York Sample ID:** 13D0912-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0912

Rowe Industries

Vapor Extraction

April 22, 2013 4:00 pm

04/25/2013

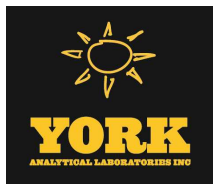
**Volatile Organics, EPA TO15 Full List**

**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
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.1	1.1	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.88	0.88	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
71-43-2	Benzene	<b>1.4</b>		ug/m <sup>3</sup>	0.55	0.55	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
67-64-1	Acetone	<b>6.9</b>		ug/m <sup>3</sup>	0.41	0.41	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
591-78-6	2-Hexanone	ND		ug/m <sup>3</sup>	0.70	0.70	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
78-93-3	2-Butanone	<b>1.9</b>		ug/m <sup>3</sup>	0.50	0.50	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.62	0.62	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.0	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.0	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.74	0.74	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.84	0.84	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.79	0.79	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.69	0.69	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.0	1.0	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.84	0.84	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.3	1.3	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.68	0.68	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.69	0.69	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m <sup>3</sup>	0.96	0.96	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.93	0.93	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.3	1.3	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.93	0.93	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
75-71-8	Dichlorodifluoromethane	<b>3.0</b>		ug/m <sup>3</sup>	0.84	0.84	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.3	1.3	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.4	1.4	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.70	0.70	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.79	0.79	1.68	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 19:20	TD
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	101 %	70-130								



### Sample Information

**Client Sample ID:** AQ042213:1605NP4-2

**York Sample ID:** 13D0912-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0912

Rowe Industries

Vapor Extraction

April 22, 2013 4:05 pm

04/25/2013

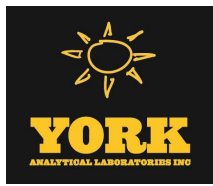
**Volatile Organics, EPA TO15 Full List**

**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>	0.46	0.46	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.64	0.64	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
79-01-6	Trichloroethylene	<b>0.97</b>		ug/m <sup>3</sup>	0.49	0.49	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.82	0.82	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.72	0.72	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
108-88-3	Toluene	<b>1.4</b>		ug/m <sup>3</sup>	0.68	0.68	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
109-99-9	Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.53	0.53	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
127-18-4	Tetrachloroethylene	<b>37</b>		ug/m <sup>3</sup>	1.2	1.2	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.77	0.77	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
115-07-01	Propylene	ND		ug/m <sup>3</sup>	0.31	0.31	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
622-96-8	p-Ethyltoluene	ND		ug/m <sup>3</sup>	4.5	4.5	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
179601-23-1	p- & m- Xylenes	<b>1.7</b>		ug/m <sup>3</sup>	0.79	0.79	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	0.79	0.79	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
110-54-3	n-Hexane	<b>5.6</b>		ug/m <sup>3</sup>	0.64	0.64	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.74	0.74	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
75-09-2	Methylene chloride	<b>2.6</b>	B	ug/m <sup>3</sup>	0.63	0.63	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	<b>1.2</b>		ug/m <sup>3</sup>	0.65	0.65	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.74	0.74	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
67-63-0	Isopropanol	ND		ug/m <sup>3</sup>	0.45	0.45	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.9	1.9	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	0.79	0.79	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
141-78-6	Ethyl acetate	ND		ug/m <sup>3</sup>	0.65	0.65	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.62	0.62	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.82	0.82	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
156-59-2	cis-1,2-Dichloroethylene	<b>1.1</b>		ug/m <sup>3</sup>	0.72	0.72	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.37	0.37	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
67-66-3	Chloroform	<b>2.2</b>		ug/m <sup>3</sup>	0.88	0.88	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.48	0.48	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.57	0.57	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
75-15-0	Carbon disulfide	<b>4.2</b>		ug/m <sup>3</sup>	0.56	0.56	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.70	0.70	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.9	1.9	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.1	1.1	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD



### Sample Information

**Client Sample ID:** AQ042213:1605NP4-2

**York Sample ID:** 13D0912-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0912

Rowe Industries

Vapor Extraction

April 22, 2013 4:05 pm

04/25/2013

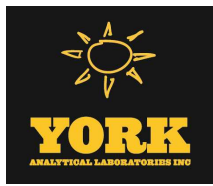
**Volatile Organics, EPA TO15 Full List**

**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
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.94	0.94	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
71-43-2	Benzene	<b>0.87</b>		ug/m <sup>3</sup>	0.58	0.58	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
67-64-1	Acetone	<b>12</b>		ug/m <sup>3</sup>	0.43	0.43	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
591-78-6	2-Hexanone	ND		ug/m <sup>3</sup>	0.74	0.74	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
78-93-3	2-Butanone	<b>2.7</b>		ug/m <sup>3</sup>	0.53	0.53	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.65	0.65	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.79	0.79	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.89	0.89	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.3	1.3	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.84	0.84	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.73	0.73	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.89	0.89	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.3	1.3	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.72	0.72	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
75-34-3	1,1-Dichloroethane	<b>2.2</b>		ug/m <sup>3</sup>	0.73	0.73	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m <sup>3</sup>	1.0	1.0	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.99	0.99	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.4	1.4	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
71-55-6	1,1,1-Trichloroethane	<b>9.4</b>		ug/m <sup>3</sup>	0.99	0.99	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
75-71-8	Dichlorodifluoromethane	<b>2.7</b>		ug/m <sup>3</sup>	0.90	0.90	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.4	1.4	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.5	1.5	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.74	0.74	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.83	0.83	1.781	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 20:55	TD
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	93.5 %		70-130							



## Sample Information

**Client Sample ID:** AQ042213:1610NP4-3

**York Sample ID:** 13D0912-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0912

Rowe Industries

Vapor Extraction

April 22, 2013 4:10 pm

04/25/2013

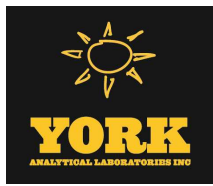
**Volatile Organics, EPA TO15 Full List**

**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	05/01/2013 09:00	05/01/2013 21:43	TD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.62	0.62	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.47	0.47	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.80	0.80	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.70	0.70	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
108-88-3	Toluene	ND		ug/m <sup>3</sup>	0.66	0.66	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
109-99-9	Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.52	0.52	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
127-18-4	Tetrachloroethylene	ND		ug/m <sup>3</sup>	1.2	1.2	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.75	0.75	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
115-07-01	Propylene	ND		ug/m <sup>3</sup>	0.30	0.30	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
622-96-8	p-Ethyltoluene	ND		ug/m <sup>3</sup>	4.3	4.3	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
179601-23-1	p- & m- Xylenes	ND		ug/m <sup>3</sup>	0.76	0.76	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	0.76	0.76	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
110-54-3	n-Hexane	ND		ug/m <sup>3</sup>	0.62	0.62	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.72	0.72	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
75-09-2	Methylene chloride	1.7	B	ug/m <sup>3</sup>	0.61	0.61	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	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	05/01/2013 09:00	05/01/2013 21:43	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.72	0.72	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
67-63-0	Isopropanol	ND		ug/m <sup>3</sup>	0.43	0.43	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.9	1.9	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	0.76	0.76	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
141-78-6	Ethyl acetate	ND		ug/m <sup>3</sup>	0.63	0.63	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.61	0.61	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.80	0.80	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
156-59-2	cis-1,2-Dichloroethylene	1.3		ug/m <sup>3</sup>	0.70	0.70	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.36	0.36	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
67-66-3	Chloroform	3.2		ug/m <sup>3</sup>	0.86	0.86	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.46	0.46	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.55	0.55	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
75-15-0	Carbon disulfide	4.1		ug/m <sup>3</sup>	0.55	0.55	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.68	0.68	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.8	1.8	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD



### Sample Information

**Client Sample ID:** AQ042213:1610NP4-3

**York Sample ID:** 13D0912-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13D0912

Rowe Industries

Vapor Extraction

April 22, 2013 4:10 pm

04/25/2013

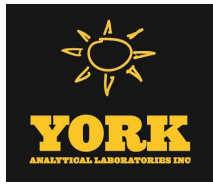
**Volatile Organics, EPA TO15 Full List**

**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
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.1	1.1	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.91	0.91	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
71-43-2	Benzene	<b>1.3</b>		ug/m <sup>3</sup>	0.56	0.56	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
67-64-1	Acetone	<b>6.2</b>		ug/m <sup>3</sup>	0.42	0.42	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
591-78-6	2-Hexanone	<b>0.79</b>		ug/m <sup>3</sup>	0.72	0.72	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
78-93-3	2-Butanone	<b>1.8</b>		ug/m <sup>3</sup>	0.52	0.52	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.63	0.63	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.76	0.76	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.87	0.87	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.81	0.81	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.71	0.71	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.87	0.87	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.3	1.3	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.70	0.70	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
75-34-3	1,1-Dichloroethane	<b>2.9</b>		ug/m <sup>3</sup>	0.71	0.71	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
75-69-4	Trichlorofluoromethane (Freon 11)	<b>2.1</b>		ug/m <sup>3</sup>	0.99	0.99	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.96	0.96	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	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	05/01/2013 09:00	05/01/2013 21:43	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	05/01/2013 09:00	05/01/2013 21:43	TD
71-55-6	1,1,1-Trichloroethane	<b>15</b>		ug/m <sup>3</sup>	0.96	0.96	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
75-71-8	Dichlorodifluoromethane	<b>3.0</b>		ug/m <sup>3</sup>	0.87	0.87	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.4	1.4	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.4	1.4	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.72	0.72	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.81	0.81	1.732	EPA Compendium TO-15	05/01/2013 09:00	05/01/2013 21:43	TD
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	104 %		70-130							



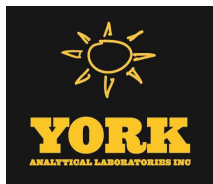
## Analytical Batch Summary

**Batch ID:** BE30097

**Preparation Method:** EPA TO15 PREP

**Prepared By:** TD

YORK Sample ID	Client Sample ID	Preparation Date
13D0912-01	AQ042213:1600NP4-1	05/01/13
13D0912-02	AQ042213:1605NP4-2	05/01/13
13D0912-03	AQ042213:1610NP4-3	05/01/13
BE30097-BLK1	Blank	05/01/13
BE30097-BS1	LCS	05/01/13
BE30097-DUP1	Duplicate	05/01/13



**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
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**Batch BE30097 - EPA TO15 PREP**

**Blank (BE30097-BLK1)**

Prepared & Analyzed: 05/01/2013

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	0.39	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	"								



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
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**Batch BE30097 - EPA TO15 PREP**

**Blank (BE30097-BLK1)**

Prepared & Analyzed: 05/01/2013

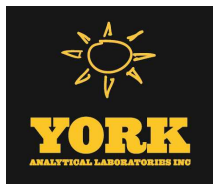
Trichlorofluoromethane (Freon 11)	ND	0.57	ug/m <sup>3</sup>								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.78	"								
1,1,2,2-Tetrachloroethane	ND	0.70	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.50	"								
1,2-Dibromoethane	ND	0.78	"								
Dibromochloromethane	ND	0.82	"								
Methyl Methacrylate	ND	0.42	"								
Chlorobenzene	ND	0.47	"								

<i>Surrogate: p-Bromofluorobenzene</i>	<i>7.61</i>		<i>ppbv</i>	<i>10.0</i>		<i>76.1</i>	<i>70-130</i>				
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**LCS (BE30097-BS1)**

Prepared & Analyzed: 05/01/2013

Vinyl Chloride	11.7		ppbv	10.5		111	70-130				
Vinyl acetate	10.6		"	10.4		102	58.1-135				
Trichloroethylene	10.4		"	10.6		98.3	70-130				
trans-1,3-Dichloropropylene	14.0		"	11.5		122	62-135				
trans-1,2-Dichloroethylene	10.6		"	10.3		103	58.3-130				
Toluene	13.0		"	11.0		118	64.9-126				
Tetrahydrofuran	11.5		"	10.8		106	44.6-146				
Tetrachloroethylene	11.7		"	10.8		108	70-130				
Styrene	11.0		"	10.9		100	66.4-132				
Propylene	14.7		"	11.5		128	62.4-150				
p-Ethyltoluene	11.1		"	10.4		107	73.8-146				
p- & m- Xylenes	24.1		"	21.8		111	56.6-136				
o-Xylene	11.8		"	11.0		108	67.8-133				
n-Hexane	12.0		"	10.9		110	59.7-130				
n-Heptane	12.8		"	10.9		117	62.3-134				
Methylene chloride	8.70		"	9.70		89.7	62.6-130				
Methyl tert-butyl ether (MTBE)	7.89		"	10.3		76.6	60.7-139				
4-Methyl-2-pentanone	12.8		"	10.6		121	64.5-158				
Isopropanol	11.1		"	10.9		102	60-150				
Hexachlorobutadiene	15.1		"	10.2		148	61.2-150				
Ethyl Benzene	12.3		"	11.0		112	68.4-125				
Ethyl acetate	12.3		"	11.0		112	40.6-150				
Cyclohexane	11.9		"	10.8		111	60.4-127				
cis-1,3-Dichloropropylene	12.9		"	10.9		119	65.5-129				
cis-1,2-Dichloroethylene	10.6		"	10.8		97.8	51.3-118				
Chloromethane	10.3		"	10.3		99.6	64.9-130				
Chloroform	11.0		"	11.0		100	65.1-130				
Chloroethane	11.3		"	10.3		109	52.1-131				
Carbon tetrachloride	9.83		"	10.5		93.6	70-130				
Carbon disulfide	10.8		"	10.5		103	61.8-111				
Bromomethane	10.7		"	10.5		102	60.1-140				
Bromoform	12.4		"	10.9		113	58.7-150				
Bromodichloromethane	11.0		"	10.6		104	65.3-127				
Benzyl chloride	13.7		"	10.8		126	62.5-150				
Benzene	11.2		"	10.8		104	69.5-130				
Acetone	10.7		"	11.0		97.3	55.3-133				
2-Hexanone	16.1		"	10.9		148	52-150				
2-Butanone	11.8		"	10.9		108	28.5-154				
1,4-Dioxane	13.7		"	10.6		129	50-150				



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
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Batch BE30097 - EPA TO15 PREP

LCS (BE30097-BS1)

Prepared & Analyzed: 05/01/2013

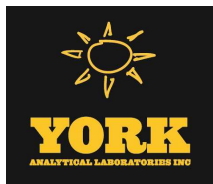
1,4-Dichlorobenzene	13.0		ppbv	10.9		119	62.5-139				
1,3-Dichlorobenzene	12.9		"	10.8		119	71.9-153				
1,3-Butadiene	11.5		"	10.9		105	66.7-127				
1,3,5-Trimethylbenzene	11.9		"	11.0		108	65-152				
1,2-Dichlorotetrafluoroethane	10.7		"	10.5		102	63.3-129				
1,2-Dichloropropane	11.9		"	11.0		109	21.3-152				
1,2-Dichloroethane	10.8		"	10.7		101	51.2-124				
1,2-Dichlorobenzene	12.4		"	10.7		116	63.7-148				
1,2,4-Trimethylbenzene	11.4		"	11.0		104	67.9-152				
1,2,4-Trichlorobenzene	18.0		"	10.0		180	58-147	High Bias			
1,1-Dichloroethylene	9.63		"	9.60		100	58.1-130				
1,1-Dichloroethane	10.4		"	10.3		101	63.3-130				
Trichlorofluoromethane (Freon 11)	10.4		"	11.0		94.6	56-132				
1,1,2-Trichloroethane	12.1		"	11.0		110	66-127				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.07		"	9.20		98.6	60.2-125				
1,1,2,2-Tetrachloroethane	12.2		"	11.0		111	63.7-132				
1,1,1-Trichloroethane	10.5		"	10.5		100	58.2-126				
Dichlorodifluoromethane	10.6		"	10.2		104	62.8-133				
1,2-Dibromoethane	12.8		"	11.0		116	70-130				
Dibromochloromethane	11.7		"	10.7		109	70-130				
Methyl Methacrylate	11.7		"	10.7		109	70-130				
Chlorobenzene	11.8		"	11.0		107	67.6-122				
Surrogate: <i>p</i> -Bromofluorobenzene	9.27		"	10.0		92.7	70-130				

Duplicate (BE30097-DUP1)

\*Source sample: 13D0912-01 (AQ042213:1600NP4-1)

Prepared & Analyzed: 05/01/2013

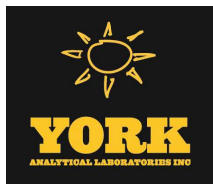
Vinyl Chloride	ND	0.44	ug/m <sup>3</sup>		ND					25	
Vinyl acetate	ND	0.60	"		ND					25	
Trichloroethylene	ND	0.46	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.78	"		ND					25	
trans-1,2-Dichloroethylene	ND	0.68	"		ND					25	
Toluene	0.71	0.64	"		1.3				58.1	25	Non-dir.
Tetrahydrofuran	ND	0.50	"		ND					25	
Tetrachloroethylene	5.6	1.2	"		6.6				17.1	25	
Styrene	ND	0.73	"		ND					25	
Propylene	ND	0.29	"		ND					25	
p-Ethyltoluene	ND	4.2	"		ND					25	
p- & m- Xylenes	ND	0.74	"		2.2					25	
o-Xylene	ND	0.74	"		ND					25	
n-Hexane	1.4	0.60	"		1.6				11.8	25	
n-Heptane	ND	0.70	"		ND					25	
Methylene chloride	2.1	0.59	"		2.6				20.5	25	
Methyl tert-butyl ether (MTBE)	ND	0.61	"		ND					25	
4-Methyl-2-pentanone	ND	0.70	"		ND					25	
Isopropanol	1.2	0.42	"		4.3				114	25	Non-dir.
Hexachlorobutadiene	ND	1.8	"		ND					25	
Ethyl Benzene	ND	0.74	"		ND					25	
Ethyl acetate	ND	0.62	"		ND					25	
Cyclohexane	ND	0.59	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.78	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.68	"		ND					25	
Chloromethane	ND	0.35	"		ND					25	
Chloroform	ND	0.83	"		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	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BE30097 - EPA TO15 PREP</b>											
<b>Duplicate (BE30097-DUP1)</b>	*Source sample: 13D0912-01 (AQ042213:1600NP4-1)						Prepared & Analyzed: 05/01/2013				
Chloroethane	ND	0.45	ug/m <sup>3</sup>		ND					25	
Carbon tetrachloride	ND	0.54	"		ND					25	
Carbon disulfide	4.5	0.53	"		4.3				4.82	25	
Bromomethane	ND	0.66	"		ND					25	
Bromoform	ND	1.8	"		ND					25	
Bromodichloromethane	ND	1.1	"		ND					25	
Benzyl chloride	ND	0.88	"		ND					25	
Benzene	1.3	0.55	"		1.4				8.33	25	
Acetone	6.6	0.41	"		6.9				5.41	25	
2-Hexanone	ND	0.70	"		ND					25	
2-Butanone	1.8	0.50	"		1.9				2.74	25	
1,4-Dioxane	ND	0.62	"		ND					25	
1,4-Dichlorobenzene	ND	1.0	"		ND					25	
1,3-Dichlorobenzene	ND	1.0	"		ND					25	
1,3-Butadiene	ND	0.74	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.84	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.2	"		ND					25	
1,2-Dichloropropane	ND	0.79	"		ND					25	
1,2-Dichloroethane	ND	0.69	"		ND					25	
1,2-Dichlorobenzene	ND	1.0	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.84	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.3	"		ND					25	
1,1-Dichloroethylene	ND	0.68	"		ND					25	
1,1-Dichloroethane	ND	0.69	"		ND					25	
Trichlorofluoromethane (Freon 11)	ND	0.96	"		ND					25	
1,1,2-Trichloroethane	ND	0.93	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.3	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.2	"		ND					25	
1,1,1-Trichloroethane	ND	0.93	"		ND					25	
Dichlorodifluoromethane	3.0	0.84	"		3.0				2.82	25	
1,2-Dibromoethane	ND	1.3	"		ND					25	
Dibromochloromethane	ND	1.4	"		ND					25	
Methyl Methacrylate	ND	0.70	"		ND					25	
Chlorobenzene	ND	0.79	"		ND					25	
Surrogate: <i>p</i> -Bromofluorobenzene	10.4		ppbv	10.0		104	70-130				



## Notes and Definitions

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.

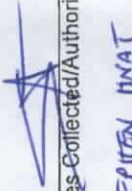
# Field Chain-of-Custody Record - AIR

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. 13D0912

<b>YOUR Information</b> Company: <u>LBG</u> Address: <u>4 Research Dr, Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tonde Sander</u> E-Mail Address: <u>TSander@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> Samples from: CT <u>NY</u> 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/Deliverables</b> Summary Report <input checked="" type="checkbox"/> pdf Summary w/ QA Summary <input checked="" type="checkbox"/> pdf CT RCP Package <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B/CLP Pkg <input checked="" type="checkbox"/> pdf NJDEP Reduced <input type="checkbox"/> Electronic Deliverables: <input type="checkbox"/> EDD (Specify Type) <input type="checkbox"/> Standard Excel <input checked="" type="checkbox"/> X Regulatory Comparison Excel <input type="checkbox"/>	
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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 HNAT  
 Name (printed)

TO15 Volatiles and Other Gas Analyses EPA TO-15 List NYSDEC VI list NYSDEC STARS List Project Specific List by TO-15 NJDEP Target List CTDEP RCP Target List	Tentatively Identified Compounds Air VPH Helium Methane OTHER	Detection Limits Required ≤ 1 ug/m <sup>3</sup> NYSDEC VI Limits (VI - major substances) NJDEP low level Routine Survey Other
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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
AR042213:1600NF4-1	4/22/13 1600	AE			EPA TO-15 List.	6 Liter Summa canister Tedlar Bag
AR042213:1605NF4-2	1605	AE				6 Liter Summa canister Tedlar Bag
AR042213:1610NF4-3	1610	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 4/24/13 1600

Samples Relinquished By [Signature] Date/Time 4/25/13 1415

Samples Received By [Signature] Date/Time 4/25/13 1630

Samples Received in LAB by [Signature] Date/Time 4/25/13 1630