

TABLE 2

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

Effluent Water Quality Results

Date Sampled ^{2/}	pH ^{1/}	TDS (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis- 1,2-DCE (ug/l)	trans- 1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl- benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	5.0 to 8.5	---	5	5	5	5	5	5	5	5	5	5	5	---	10	7	---	---
8-May-13	6.7	118	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.12 J,B	0.16 J,B	ND<0.5	ND<2	ND<0.5	ND<2	ND<0.5	1.55	0.118
14-May-13	6.6	115	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	0.96	0.433
23-May-13	7.4	134	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	1.0 J	ND<0.5	ND<2	ND<0.5	46.3	0.195
29-May-13	7.2	135	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	7.06	0.027

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

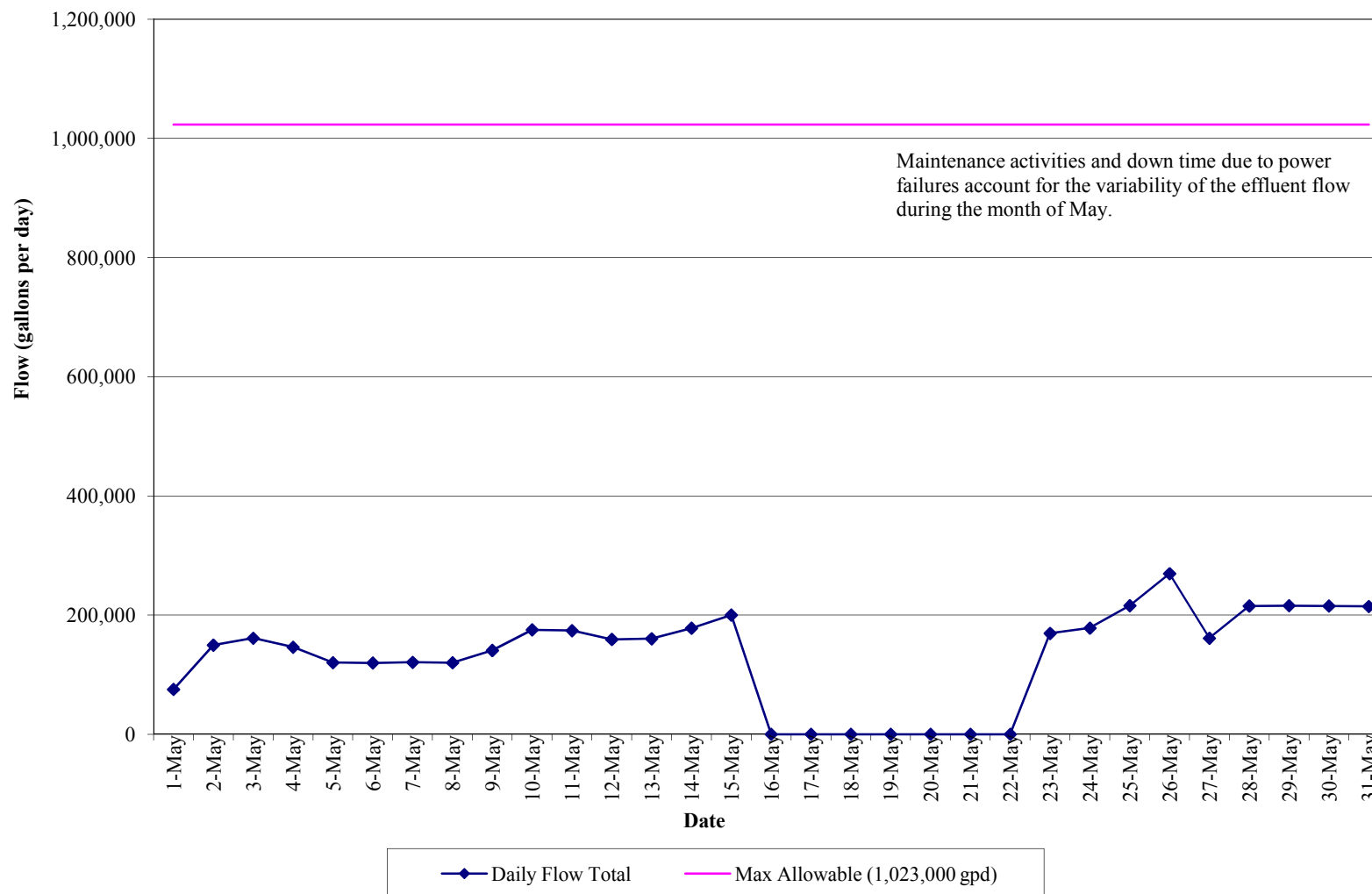
Notes:

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.

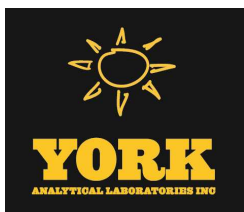
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.

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

Effluent Flow Data
(May 1, 2013 to May 31, 2013)



APPENDIX I
MAY 2013 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 05/20/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13E0384

Revision No. 1.0

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 05/20/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13E0384

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 09, 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>
13E0384-01	WQ050813:1210NP2-6	Water	05/08/2013	05/09/2013
13E0384-02	WQ050813:1215NP2-7	Water	05/08/2013	05/09/2013
13E0385-01	WQ050813:1220NP2-10	Water	05/08/2013	05/09/2013

General Notes for York Project (SDG) No.: 13E0384

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: 05/20/2013

YORK



Sample Information

Client Sample ID: WQ050813:1210NP2-6

York Sample ID: 13E0384-01

York Project (SDG) No.

13E0384

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

May 8, 2013 12:10 pm

Date Received

05/09/2013

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	05/13/2013 10:30	05/13/2013 15:26	SS
71-55-6	1,1,1-Trichloroethane	0.24	J	ug/L	0.024	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	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	05/13/2013 10:30	05/13/2013 15:26	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
75-34-3	1,1-Dichloroethane	0.11	J	ug/L	0.044	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
74-83-9	Bromomethane	0.29	J, B	ug/L	0.20	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS



Sample Information

Client Sample ID: WQ050813:1210NP2-6

York Sample ID: 13E0384-01

York Project (SDG) No.
13E0384

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 8, 2013 12:10 pm

Date Received
05/09/2013

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	05/13/2013 10:30	05/13/2013 15:26	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
67-66-3	Chloroform	0.21	J	ug/L	0.079	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
156-59-2	cis-1,2-Dichloroethylene	0.18	J	ug/L	0.069	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
127-18-4	Tetrachloroethylene	0.82		ug/L	0.070	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
79-01-6	Trichloroethylene	0.12	J	ug/L	0.071	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 15:26	SS



Sample Information

Client Sample ID: WQ050813:1210NP2-6

York Sample ID: 13E0384-01

York Project (SDG) No.
13E0384

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 8, 2013 12:10 pm

Date Received
05/09/2013

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
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	123 %			72.6	129					
460-00-4	Surrogate: p-Bromofluorobenzene	93.0 %			63.5	145					
2037-26-5	Surrogate: Toluene-d8	96.7 %			81.2	127					

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0706		mg/L	0.0100	0.0200	1	EPA SW846-6010B	05/14/2013 08:27	05/14/2013 11:03	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	1.24		mg/L	0.0100	0.0200	1	EPA 200.7	05/14/2013 08:29	05/14/2013 12:05	MW

Sample Information

Client Sample ID: WQ050813:1215NP2-7

York Sample ID: 13E0384-02

York Project (SDG) No.
13E0384

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 8, 2013 12:15 pm

Date Received
05/09/2013

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	05/13/2013 10:30	05/13/2013 16:07	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	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	05/13/2013 10:30	05/13/2013 16:07	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS



Sample Information

Client Sample ID: WQ050813:1215NP2-7

York Sample ID: 13E0384-02

York Project (SDG) No.
13E0384

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 8, 2013 12:15 pm

Date Received
05/09/2013

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	05/13/2013 10:30	05/13/2013 16:07	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
74-83-9	Bromomethane	0.22	J, B	ug/L	0.20	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS



Sample Information

Client Sample ID: WQ050813:1215NP2-7

York Sample ID: 13E0384-02

York Project (SDG) No.
13E0384

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 8, 2013 12:15 pm

Date Received
05/09/2013

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	05/13/2013 10:30	05/13/2013 16:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	05/13/2013 10:30	05/13/2013 16:07	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	123 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	92.9 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	95.5 %	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	0.108		mg/L	0.0100	0.0200	1	EPA SW846-6010B	05/14/2013 08:27	05/14/2013 11:08	MW



Sample Information

Client Sample ID: WQ050813:1215NP2-7

York Sample ID: 13E0384-02

York Project (SDG) No.
13E0384

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 8, 2013 12:15 pm

Date Received
05/09/2013

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	0.730		mg/L	0.0100	0.0200	1	EPA 200.7	05/14/2013 08:29	05/14/2013 12:09	MW

Sample Information

Client Sample ID: WQ050813:1220NP2-10

York Sample ID: 13E0385-01

York Project (SDG) No.
13E0385

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 8, 2013 12:20 pm

Date Received
05/09/2013

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	05/10/2013 15:21	05/11/2013 04:18	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	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	05/10/2013 15:21	05/11/2013 04:18	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS



Sample Information

Client Sample ID: WQ050813:1220NP2-10

York Sample ID: 13E0385-01

York Project (SDG) No.
13E0385

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 8, 2013 12:20 pm

Date Received
05/09/2013

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	05/10/2013 15:21	05/11/2013 04:18	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
179601-23-1	p- & m- Xylenes	0.12	J, B	ug/L	0.090	1.0	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS



Sample Information

Client Sample ID: WQ050813:1220NP2-10

York Sample ID: 13E0385-01

York Project (SDG) No.
13E0385

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 8, 2013 12:20 pm

Date Received
05/09/2013

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	05/10/2013 15:21	05/11/2013 04:18	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
108-88-3	Toluene	0.16	J, B	ug/L	0.042	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
1330-20-7	Xylenes, Total	0.12	J, B	ug/L	0.12	1.5	1	EPA SW846-8260B	05/10/2013 15:21	05/11/2013 04:18	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	89.9 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	123 %			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	0.118		mg/L	0.0100	0.0200	1	EPA SW846-6010B	05/14/2013 08:27	05/14/2013 11:13	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	1.55		mg/L	0.0100	0.0200	1	EPA 200.7	05/14/2013 08:29	05/14/2013 12:14	MW

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	118		mg/L	1.00	1.00	1	SM 2540C	05/14/2013 12:52	05/15/2013 09:25	ALD



Analytical Batch Summary

Batch ID: BE30493 **Preparation Method:** EPA 5030B **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
13E0385-01	WQ050813:1220NP2-10	05/10/13
BE30493-BLK1	Blank	05/10/13
BE30493-BS1	LCS	05/10/13
BE30493-BSD1	LCS Dup	05/10/13

Batch ID: BE30515 **Preparation Method:** EPA 5030B **Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13E0384-01	WQ050813:1210NP2-6	05/13/13
13E0384-02	WQ050813:1215NP2-7	05/13/13
BE30515-BLK1	Blank	05/13/13
BE30515-BS1	LCS	05/13/13
BE30515-BSD1	LCS Dup	05/13/13

Batch ID: BE30588 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13E0384-01	WQ050813:1210NP2-6	05/14/13
13E0384-02	WQ050813:1215NP2-7	05/14/13
13E0385-01	WQ050813:1220NP2-10	05/14/13
BE30588-BLK1	Blank	05/14/13
BE30588-DUP1	Duplicate	05/14/13
BE30588-MS1	Matrix Spike	05/14/13
BE30588-SRM1	Reference	05/14/13

Batch ID: BE30590 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13E0384-01	WQ050813:1210NP2-6	05/14/13
13E0384-02	WQ050813:1215NP2-7	05/14/13
13E0385-01	WQ050813:1220NP2-10	05/14/13
BE30590-BLK1	Blank	05/14/13
BE30590-DUP1	Duplicate	05/14/13
BE30590-MS1	Matrix Spike	05/14/13
BE30590-SRM1	Reference	05/14/13

Batch ID: BE30620 **Preparation Method:** % Solids Prep **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13E0385-01	WQ050813:1220NP2-10	05/14/13
BE30620-BLK1	Blank	05/14/13
BE30620-DUP1	Duplicate	05/14/13



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 BE30493 - EPA 5030B

Blank (BE30493-BLK1)

Prepared: 05/10/2013 Analyzed: 05/11/2013

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	0.15	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	0.11	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	0.21	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	0.67	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 BE30493 - EPA 5030B

Blank (BE30493-BLK1)

Prepared: 05/10/2013 Analyzed: 05/11/2013

p- & m- Xylenes	0.27	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	0.28	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	0.27	1.5	"

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>8.54</i>		<i>"</i>	<i>10.0</i>		<i>85.4</i>	<i>72.6-129</i>
<i>Surrogate: p-Bromofluorobenzene</i>	<i>12.2</i>		<i>"</i>	<i>10.0</i>		<i>122</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>

LCS (BE30493-BS1)

Prepared: 05/10/2013 Analyzed: 05/11/2013

1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82.3-130
1,1,1-Trichloroethane	9.82		"	10.0		98.2	75.6-137
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	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	10.2		"	10.0		102	74.5-129
1,1-Dichloroethane	9.50		"	10.0		95.0	79.6-132
1,1-Dichloroethylene	9.55		"	10.0		95.5	80.2-146
1,1-Dichloropropylene	9.35		"	10.0		93.5	75-136
1,2,3-Trichlorobenzene	9.80		"	10.0		98.0	66.1-136
1,2,3-Trichloropropane	12.5		"	10.0		125	63-131
1,2,4-Trichlorobenzene	9.26		"	10.0		92.6	70.6-136
1,2,4-Trimethylbenzene	10.2		"	10.0		102	75.3-135
1,2-Dibromo-3-chloropropane	12.5		"	10.0		125	58.9-140
1,2-Dibromoethane	10.5		"	10.0		105	79-130
1,2-Dichlorobenzene	9.56		"	10.0		95.6	76.1-122
1,2-Dichloroethane	8.95		"	10.0		89.5	74.6-132
1,2-Dichloropropane	10.4		"	10.0		104	76.9-129
1,3,5-Trimethylbenzene	10.5		"	10.0		105	70.6-127
1,3-Dichlorobenzene	9.57		"	10.0		95.7	77-124
1,3-Dichloropropane	9.81		"	10.0		98.1	75.8-126
1,4-Dichlorobenzene	9.36		"	10.0		93.6	76.6-125
2,2-Dichloropropane	8.28		"	10.0		82.8	69-133
2-Chlorotoluene	10.1		"	10.0		101	66.3-119
2-Hexanone	9.87		"	10.0		98.7	70-130
4-Chlorotoluene	10.4		"	10.0		104	69.2-127
Acetone	8.02		"	10.0		80.2	70-130
Benzene	9.65		"	10.0		96.5	76.2-129
Bromobenzene	10.6		"	10.0		106	71.3-123
Bromochloromethane	8.90		"	10.0		89.0	70.8-137
Bromodichloromethane	10.9		"	10.0		109	79.7-134
Bromoform	9.88		"	10.0		98.8	70.5-141
Bromomethane	8.04		"	10.0		80.4	43.9-147
Carbon tetrachloride	9.99		"	10.0		99.9	78.1-138
Chlorobenzene	9.84		"	10.0		98.4	80.4-125



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE30493 - EPA 5030B

LCS (BE30493-BS1)

Prepared: 05/10/2013 Analyzed: 05/11/2013

Chloroethane	10.2		ug/L	10.0		102	55.8-140				
Chloroform	9.77		"	10.0		97.7	76.6-133				
Chloromethane	8.60		"	10.0		86.0	48.8-115				
cis-1,2-Dichloroethylene	9.56		"	10.0		95.6	75.1-128				
cis-1,3-Dichloropropylene	10.0		"	10.0		100	74.5-128				
Dibromochloromethane	10.8		"	10.0		108	79.8-134				
Dibromomethane	11.2		"	10.0		112	79-130				
Dichlorodifluoromethane	9.23		"	10.0		92.3	47.1-101				
Ethyl Benzene	10.4		"	10.0		104	80.8-128				
Hexachlorobutadiene	9.61		"	10.0		96.1	64.8-128				
Isopropylbenzene	10.3		"	10.0		103	75.5-135				
Methyl tert-butyl ether (MTBE)	9.74		"	10.0		97.4	65.1-140				
Methylene chloride	9.00		"	10.0		90.0	61.3-120				
Naphthalene	10.2		"	10.0		102	62.3-148				
n-Butylbenzene	9.79		"	10.0		97.9	67.2-123				
n-Propylbenzene	10.1		"	10.0		101	70.5-127				
o-Xylene	9.67		"	10.0		96.7	75.9-122				
p- & m- Xylenes	21.1		"	20.0		105	77.7-127				
p-Isopropyltoluene	10.2		"	10.0		102	75.6-129				
sec-Butylbenzene	10.4		"	10.0		104	71.5-125				
Styrene	9.76		"	10.0		97.6	77.8-123				
tert-Butylbenzene	10.9		"	10.0		109	75.9-151				
Tetrachloroethylene	9.74		"	10.0		97.4	63.6-167				
Toluene	10.6		"	10.0		106	77-123				
trans-1,2-Dichloroethylene	9.26		"	10.0		92.6	76.3-139				
trans-1,3-Dichloropropylene	9.77		"	10.0		97.7	72.5-137				
Trichloroethylene	10.4		"	10.0		104	77.9-130				
Trichlorofluoromethane	9.90		"	10.0		99.0	57.4-133				
Vinyl Chloride	9.50		"	10.0		95.0	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	9.11		"	10.0		91.1	72.6-129				
Surrogate: p-Bromofluorobenzene	10.3		"	10.0		103	63.5-145				
Surrogate: Toluene-d8	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
Batch BE30493 - EPA 5030B											
LCS Dup (BE30493-BSD1)						Prepared: 05/10/2013 Analyzed: 05/11/2013					
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82.3-130		4.71	21.1	
1,1,1-Trichloroethane	10.2		"	10.0		102	75.6-137		3.40	19.7	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	71.3-131		0.571	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	71.1-129		0.190	21.7	
1,1,2-Trichloroethane	10.4		"	10.0		104	74.5-129		1.85	20.3	
1,1-Dichloroethane	9.70		"	10.0		97.0	79.6-132		2.08	20.6	
1,1-Dichloroethylene	9.52		"	10.0		95.2	80.2-146		0.315	20	
1,1-Dichloropropylene	9.26		"	10.0		92.6	75-136		0.967	19.3	
1,2,3-Trichlorobenzene	7.89		"	10.0		78.9	66.1-136		21.6	21.6	
1,2,3-Trichloropropane	12.0		"	10.0		120	63-131		3.75	23.9	
1,2,4-Trichlorobenzene	9.62		"	10.0		96.2	70.6-136		3.81	21.7	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	75.3-135		1.07	18.8	
1,2-Dibromo-3-chloropropane	11.9		"	10.0		119	58.9-140		5.17	27.7	
1,2-Dibromoethane	10.2		"	10.0		102	79-130		2.22	23	
1,2-Dichlorobenzene	9.81		"	10.0		98.1	76.1-122		2.58	19.8	
1,2-Dichloroethane	9.18		"	10.0		91.8	74.6-132		2.54	20.2	
1,2-Dichloropropane	10.1		"	10.0		101	76.9-129		3.03	20.7	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	70.6-127		1.53	18.9	
1,3-Dichlorobenzene	9.81		"	10.0		98.1	77-124		2.48	19.2	
1,3-Dichloropropane	9.85		"	10.0		98.5	75.8-126		0.407	22.1	
1,4-Dichlorobenzene	9.97		"	10.0		99.7	76.6-125		6.31	18.6	
2,2-Dichloropropane	8.22		"	10.0		82.2	69-133		0.727	19.8	
2-Chlorotoluene	10.2		"	10.0		102	66.3-119		1.77	21.6	
2-Hexanone	9.53		"	10.0		95.3	70-130		3.51	30	
4-Chlorotoluene	10.6		"	10.0		106	69.2-127		1.99	19	
Acetone	7.58		"	10.0		75.8	70-130		5.64	30	
Benzene	9.88		"	10.0		98.8	76.2-129		2.36	19	
Bromobenzene	10.7		"	10.0		107	71.3-123		1.22	20.3	
Bromochloromethane	9.73		"	10.0		97.3	70.8-137		8.91	23.9	
Bromodichloromethane	10.3		"	10.0		103	79.7-134		5.64	21	
Bromoform	10.5		"	10.0		105	70.5-141		6.46	21.8	
Bromomethane	7.87		"	10.0		78.7	43.9-147		2.14	28.4	
Carbon tetrachloride	9.83		"	10.0		98.3	78.1-138		1.61	20.1	
Chlorobenzene	9.44		"	10.0		94.4	80.4-125		4.15	19.9	
Chloroethane	9.85		"	10.0		98.5	55.8-140		3.78	23.3	
Chloroform	9.89		"	10.0		98.9	76.6-133		1.22	20.3	
Chloromethane	8.71		"	10.0		87.1	48.8-115		1.27	24.5	
cis-1,2-Dichloroethylene	9.68		"	10.0		96.8	75.1-128		1.25	20.5	
cis-1,3-Dichloropropylene	9.84		"	10.0		98.4	74.5-128		1.71	19.9	
Dibromochloromethane	10.4		"	10.0		104	79.8-134		4.43	21.3	
Dibromomethane	11.2		"	10.0		112	79-130		0.0891	22.4	
Dichlorodifluoromethane	9.43		"	10.0		94.3	47.1-101		2.14	23.9	
Ethyl Benzene	10.1		"	10.0		101	80.8-128		2.73	19.2	
Hexachlorobutadiene	9.70		"	10.0		97.0	64.8-128		0.932	20.6	
Isopropylbenzene	10.4		"	10.0		104	75.5-135		0.677	20	
Methyl tert-butyl ether (MTBE)	9.88		"	10.0		98.8	65.1-140		1.43	23.6	
Methylene chloride	9.51		"	10.0		95.1	61.3-120		5.51	20.4	
Naphthalene	9.76		"	10.0		97.6	62.3-148		4.31	27.1	
n-Butylbenzene	9.63		"	10.0		96.3	67.2-123		1.65	19.1	
n-Propylbenzene	10.3		"	10.0		103	70.5-127		1.67	23.4	
o-Xylene	9.77		"	10.0		97.7	75.9-122		1.03	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 BE30493 - EPA 5030B

LCS Dup (BE30493-BSD1)

Prepared: 05/10/2013 Analyzed: 05/11/2013

p- & m- Xylenes	20.0		ug/L	20.0		99.9	77.7-127		5.31	18.6	
p-Isopropyltoluene	10.2		"	10.0		102	75.6-129		0.883	19.1	
sec-Butylbenzene	10.4		"	10.0		104	71.5-125		0.866	18.9	
Styrene	9.52		"	10.0		95.2	77.8-123		2.49	20.9	
tert-Butylbenzene	10.8		"	10.0		108	75.9-151		0.184	20.9	
Tetrachloroethylene	9.42		"	10.0		94.2	63.6-167		3.34	27.7	
Toluene	10.2		"	10.0		102	77-123		3.57	18.7	
trans-1,2-Dichloroethylene	9.40		"	10.0		94.0	76.3-139		1.50	19.5	
trans-1,3-Dichloropropylene	9.49		"	10.0		94.9	72.5-137		2.91	19.3	
Trichloroethylene	10.5		"	10.0		105	77.9-130		0.861	20.5	
Trichlorofluoromethane	10.1		"	10.0		101	57.4-133		2.40	21.4	
Vinyl Chloride	9.49		"	10.0		94.9	54.9-124		0.105	22.3	
Surrogate: 1,2-Dichloroethane-d4	8.86		"	10.0		88.6	72.6-129				
Surrogate: p-Bromofluorobenzene	10.3		"	10.0		103	63.5-145				
Surrogate: Toluene-d8	9.93		"	10.0		99.3	81.2-127				

Batch BE30515 - EPA 5030B

Blank (BE30515-BLK1)

Prepared & Analyzed: 05/13/2013

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	0.22	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.17	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	0.11	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	0.12	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	0.36	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 BE30515 - EPA 5030B

Blank (BE30515-BLK1)

Prepared & Analyzed: 05/13/2013

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	ND	2.0	"								
Naphthalene	0.34	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	"								
Surrogate: 1,2-Dichloroethane-d4	10.4		"	10.0		104	72.6-129				
Surrogate: p-Bromofluorobenzene	9.88		"	10.0		98.8	63.5-145				
Surrogate: Toluene-d8	10.2		"	10.0		102	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
Batch BE30515 - EPA 5030B											
LCS (BE30515-BS1)						Prepared & Analyzed: 05/13/2013					
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	82.3-130				
1,1,1-Trichloroethane	11.1		"	10.0		111	75.6-137				
1,1,2,2-Tetrachloroethane	8.56		"	10.0		85.6	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.35		"	10.0		93.5	71.1-129				
1,1,2-Trichloroethane	9.26		"	10.0		92.6	74.5-129				
1,1-Dichloroethane	10.0		"	10.0		100	79.6-132				
1,1-Dichloroethylene	9.09		"	10.0		90.9	80.2-146				
1,1-Dichloropropylene	9.82		"	10.0		98.2	75-136				
1,2,3-Trichlorobenzene	10.0		"	10.0		100	66.1-136				
1,2,3-Trichloropropane	8.80		"	10.0		88.0	63-131				
1,2,4-Trichlorobenzene	10.4		"	10.0		104	70.6-136				
1,2,4-Trimethylbenzene	9.98		"	10.0		99.8	75.3-135				
1,2-Dibromo-3-chloropropane	7.04		"	10.0		70.4	58.9-140				
1,2-Dibromoethane	9.85		"	10.0		98.5	79-130				
1,2-Dichlorobenzene	9.41		"	10.0		94.1	76.1-122				
1,2-Dichloroethane	9.42		"	10.0		94.2	74.6-132				
1,2-Dichloropropane	10.0		"	10.0		100	76.9-129				
1,3,5-Trimethylbenzene	9.97		"	10.0		99.7	70.6-127				
1,3-Dichlorobenzene	9.83		"	10.0		98.3	77-124				
1,3-Dichloropropane	9.36		"	10.0		93.6	75.8-126				
1,4-Dichlorobenzene	9.55		"	10.0		95.5	76.6-125				
2,2-Dichloropropane	11.3		"	10.0		113	69-133				
2-Chlorotoluene	9.55		"	10.0		95.5	66.3-119				
2-Hexanone	8.54		"	10.0		85.4	70-130				
4-Chlorotoluene	9.85		"	10.0		98.5	69.2-127				
Acetone	8.77		"	10.0		87.7	70-130				
Benzene	10.0		"	10.0		100	76.2-129				
Bromobenzene	9.27		"	10.0		92.7	71.3-123				
Bromochloromethane	9.19		"	10.0		91.9	70.8-137				
Bromodichloromethane	10.8		"	10.0		108	79.7-134				
Bromoform	11.5		"	10.0		115	70.5-141				
Bromomethane	4.80		"	10.0		48.0	43.9-147				
Carbon tetrachloride	11.5		"	10.0		115	78.1-138				
Chlorobenzene	9.79		"	10.0		97.9	80.4-125				
Chloroethane	8.20		"	10.0		82.0	55.8-140				
Chloroform	10.1		"	10.0		101	76.6-133				
Chloromethane	7.95		"	10.0		79.5	48.8-115				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	75.1-128				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	74.5-128				
Dibromochloromethane	11.0		"	10.0		110	79.8-134				
Dibromomethane	10.1		"	10.0		101	79-130				
Dichlorodifluoromethane	7.33		"	10.0		73.3	47.1-101				
Ethyl Benzene	10.0		"	10.0		100	80.8-128				
Hexachlorobutadiene	10.7		"	10.0		107	64.8-128				
Isopropylbenzene	9.97		"	10.0		99.7	75.5-135				
Methyl tert-butyl ether (MTBE)	9.41		"	10.0		94.1	65.1-140				
Methylene chloride	6.47		"	10.0		64.7	61.3-120				
Naphthalene	10.7		"	10.0		107	62.3-148				
n-Butylbenzene	9.55		"	10.0		95.5	67.2-123				
n-Propylbenzene	10.0		"	10.0		100	70.5-127				
o-Xylene	9.38		"	10.0		93.8	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 BE30515 - EPA 5030B

LCS (BE30515-BS1)

Prepared & Analyzed: 05/13/2013

p- & m- Xylenes	19.6		ug/L	20.0		98.0	77.7-127				
p-Isopropyltoluene	10.5		"	10.0		105	75.6-129				
sec-Butylbenzene	10.2		"	10.0		102	71.5-125				
Styrene	9.66		"	10.0		96.6	77.8-123				
tert-Butylbenzene	10.1		"	10.0		101	75.9-151				
Tetrachloroethylene	10.3		"	10.0		103	63.6-167				
Toluene	9.54		"	10.0		95.4	77-123				
trans-1,2-Dichloroethylene	9.31		"	10.0		93.1	76.3-139				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	72.5-137				
Trichloroethylene	10.8		"	10.0		108	77.9-130				
Trichlorofluoromethane	9.88		"	10.0		98.8	57.4-133				
Vinyl Chloride	7.54		"	10.0		75.4	54.9-124				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.75</i>		<i>"</i>	<i>10.0</i>		<i>97.5</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.92</i>		<i>"</i>	<i>10.0</i>		<i>99.2</i>	<i>81.2-127</i>				

LCS Dup (BE30515-BS1)

Prepared & Analyzed: 05/13/2013

1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	82.3-130		5.46	21.1	
1,1,1-Trichloroethane	11.4		"	10.0		114	75.6-137		2.85	19.7	
1,1,2,2-Tetrachloroethane	9.29		"	10.0		92.9	71.3-131		8.18	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.63		"	10.0		96.3	71.1-129		2.95	21.7	
1,1,2-Trichloroethane	9.91		"	10.0		99.1	74.5-129		6.78	20.3	
1,1-Dichloroethane	10.0		"	10.0		100	79.6-132		0.299	20.6	
1,1-Dichloroethylene	9.41		"	10.0		94.1	80.2-146		3.46	20	
1,1-Dichloropropylene	10.3		"	10.0		103	75-136		4.58	19.3	
1,2,3-Trichlorobenzene	10.4		"	10.0		104	66.1-136		3.14	21.6	
1,2,3-Trichloropropane	9.71		"	10.0		97.1	63-131		9.83	23.9	
1,2,4-Trichlorobenzene	10.6		"	10.0		106	70.6-136		2.57	21.7	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	75.3-135		3.06	18.8	
1,2-Dibromo-3-chloropropane	7.21		"	10.0		72.1	58.9-140		2.39	27.7	
1,2-Dibromoethane	10.5		"	10.0		105	79-130		6.10	23	
1,2-Dichlorobenzene	9.64		"	10.0		96.4	76.1-122		2.41	19.8	
1,2-Dichloroethane	9.88		"	10.0		98.8	74.6-132		4.77	20.2	
1,2-Dichloropropane	10.4		"	10.0		104	76.9-129		3.44	20.7	
1,3,5-Trimethylbenzene	10.1		"	10.0		101	70.6-127		0.998	18.9	
1,3-Dichlorobenzene	9.88		"	10.0		98.8	77-124		0.507	19.2	
1,3-Dichloropropane	9.94		"	10.0		99.4	75.8-126		6.01	22.1	
1,4-Dichlorobenzene	9.89		"	10.0		98.9	76.6-125		3.50	18.6	
2,2-Dichloropropane	11.2		"	10.0		112	69-133		1.51	19.8	
2-Chlorotoluene	9.76		"	10.0		97.6	66.3-119		2.18	21.6	
2-Hexanone	8.82		"	10.0		88.2	70-130		3.23	30	
4-Chlorotoluene	10.1		"	10.0		101	69.2-127		2.80	19	
Acetone	9.50		"	10.0		95.0	70-130		7.99	30	
Benzene	10.2		"	10.0		102	76.2-129		1.97	19	
Bromobenzene	9.65		"	10.0		96.5	71.3-123		4.02	20.3	
Bromochloromethane	9.74		"	10.0		97.4	70.8-137		5.81	23.9	
Bromodichloromethane	11.2		"	10.0		112	79.7-134		4.18	21	
Bromoform	11.7		"	10.0		117	70.5-141		1.81	21.8	
Bromomethane	5.33		"	10.0		53.3	43.9-147		10.5	28.4	
Carbon tetrachloride	11.6		"	10.0		116	78.1-138		1.38	20.1	
Chlorobenzene	10.1		"	10.0		101	80.4-125		3.41	19.9	
Chloroethane	8.62		"	10.0		86.2	55.8-140		4.99	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 BE30515 - EPA 5030B

LCS Dup (BE30515-BSD1)

Prepared & Analyzed: 05/13/2013

Chloroform	10.4		ug/L	10.0		104	76.6-133		3.01	20.3	
Chloromethane	8.31		"	10.0		83.1	48.8-115		4.43	24.5	
cis-1,2-Dichloroethylene	10.5		"	10.0		105	75.1-128		1.63	20.5	
cis-1,3-Dichloropropylene	11.1		"	10.0		111	74.5-128		3.31	19.9	
Dibromochloromethane	11.5		"	10.0		115	79.8-134		4.16	21.3	
Dibromomethane	10.6		"	10.0		106	79-130		5.11	22.4	
Dichlorodifluoromethane	7.12		"	10.0		71.2	47.1-101		2.91	23.9	
Ethyl Benzene	10.4		"	10.0		104	80.8-128		3.13	19.2	
Hexachlorobutadiene	11.0		"	10.0		110	64.8-128		2.59	20.6	
Isopropylbenzene	10.2		"	10.0		102	75.5-135		2.57	20	
Methyl tert-butyl ether (MTBE)	9.68		"	10.0		96.8	65.1-140		2.83	23.6	
Methylene chloride	6.69		"	10.0		66.9	61.3-120		3.34	20.4	
Naphthalene	11.0		"	10.0		110	62.3-148		2.77	27.1	
n-Butylbenzene	9.65		"	10.0		96.5	67.2-123		1.04	19.1	
n-Propylbenzene	10.1		"	10.0		101	70.5-127		0.796	23.4	
o-Xylene	9.74		"	10.0		97.4	75.9-122		3.77	19.3	
p- & m- Xylenes	20.3		"	20.0		101	77.7-127		3.41	18.6	
p-Isopropyltoluene	10.7		"	10.0		107	75.6-129		1.61	19.1	
sec-Butylbenzene	10.4		"	10.0		104	71.5-125		2.14	18.9	
Styrene	9.93		"	10.0		99.3	77.8-123		2.76	20.9	
tert-Butylbenzene	10.3		"	10.0		103	75.9-151		1.47	20.9	
Tetrachloroethylene	10.7		"	10.0		107	63.6-167		3.80	27.7	
Toluene	9.96		"	10.0		99.6	77-123		4.31	18.7	
trans-1,2-Dichloroethylene	8.99		"	10.0		89.9	76.3-139		3.50	19.5	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	72.5-137		5.45	19.3	
Trichloroethylene	10.8		"	10.0		108	77.9-130		0.185	20.5	
Trichlorofluoromethane	10.0		"	10.0		100	57.4-133		1.71	21.4	
Vinyl Chloride	7.86		"	10.0		78.6	54.9-124		4.16	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.91</i>		<i>"</i>	<i>10.0</i>		<i>99.1</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
Batch BE30588 - EPA 3010A											
Blank (BE30588-BLK1)								Prepared & Analyzed: 05/14/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BE30588-DUP1)								*Source sample: 13E0385-01 (WQ050813:1220NP2-10) Prepared & Analyzed: 05/14/2013			
Iron - Dissolved	0.102	0.0200	mg/L		0.118				14.5	20	
Matrix Spike (BE30588-MS1)								*Source sample: 13E0385-01 (WQ050813:1220NP2-10) Prepared & Analyzed: 05/14/2013			
Iron - Dissolved	1.11	0.0200	mg/L	1.00	0.118	99.3	75-125				
Reference (BE30588-SRM1)								Prepared & Analyzed: 05/14/2013			
Iron - Dissolved	0.453	0.0200	mg/L	0.462		98.0	87.9-114				



Metals by EPA 200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30590 - EPA 3010A											
Blank (BE30590-BLK1)								Prepared & Analyzed: 05/14/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BE30590-DUP1)								*Source sample: 13E0385-01 (WQ050813:1220NP2-10) Prepared & Analyzed: 05/14/2013			
Iron	1.58	0.0200	mg/L		1.55				1.56	20	
Matrix Spike (BE30590-MS1)								*Source sample: 13E0385-01 (WQ050813:1220NP2-10) Prepared & Analyzed: 05/14/2013			
Iron	2.59	0.0200	mg/L	1.00	1.55	104	75-125				
Reference (BE30590-SRM1)								Prepared & Analyzed: 05/14/2013			
Iron	0.441	0.0200	mg/L	0.462		95.4	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 BE30620 - % Solids Prep

Blank (BE30620-BLK1)

Prepared: 05/14/2013 Analyzed: 05/15/2013

Total Dissolved Solids ND 1.00 mg/L

Duplicate (BE30620-DUP1)

*Source sample: 13E0385-01 (WQ050813:1220NP2-10)

Prepared: 05/14/2013 Analyzed: 05/15/2013

Total Dissolved Solids 114 1.00 mg/L 118 3.45 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13E0384-01	WQ050813:1210NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0384-02	WQ050813:1215NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0385-01	WQ050813:1220NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

Revision Description: Revised report to include all analyses and samples requested on the COC.

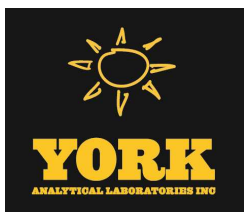
Page 1 of 1

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

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. 13E0385-

[illegible]



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 05/22/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13E0651

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 05/22/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13E0651

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 17, 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>
13E0651-01	WQ051413:1120NP2-6	Water	05/14/2013	05/17/2013
13E0651-02	WQ051413:1125NP2-7	Water	05/14/2013	05/17/2013
13E0652-01	WQ051413:1130NP2-10	Water	05/14/2013	05/17/2013

General Notes for York Project (SDG) No.: 13E0651

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: 05/22/2013

YORK



Sample Information

Client Sample ID: WQ051413:1120NP2-6

York Sample ID: 13E0651-01

York Project (SDG) No.

13E0651

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

May 14, 2013 11:20 am

Date Received

05/17/2013

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	05/20/2013 12:28	05/20/2013 16:05	SS
71-55-6	1,1,1-Trichloroethane	0.72		ug/L	0.024	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	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	05/20/2013 12:28	05/20/2013 16:05	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
75-34-3	1,1-Dichloroethane	0.15	J	ug/L	0.044	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
75-25-2	Bromoform	ND		ug/L	0.079	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS



Sample Information

Client Sample ID: WQ051413:1120NP2-6

York Sample ID: 13E0651-01

York Project (SDG) No.
13E0651

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 14, 2013 11:20 am

Date Received
05/17/2013

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	05/20/2013 12:28	05/20/2013 16:05	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
127-18-4	Tetrachloroethylene	0.60		ug/L	0.070	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:05	SS



Sample Information

Client Sample ID: WQ051413:1120NP2-6

York Sample ID: 13E0651-01

York Project (SDG) No.
13E0651

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 14, 2013 11:20 am

Date Received
05/17/2013

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
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	85.4 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	107 %			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	0.0352		mg/L	0.0100	0.0200	1	EPA SW846-6010B	05/21/2013 14:45	05/21/2013 17:49	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	1.61		mg/L	0.0100	0.0200	1	EPA 200.7	05/21/2013 14:48	05/21/2013 18:56	MW

Sample Information

Client Sample ID: WQ051413:1125NP2-7

York Sample ID: 13E0651-02

York Project (SDG) No.
13E0651

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 14, 2013 11:25 am

Date Received
05/17/2013

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	05/20/2013 12:28	05/20/2013 16:41	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS



Sample Information

Client Sample ID: WQ051413:1125NP2-7

York Sample ID: 13E0651-02

York Project (SDG) No.
13E0651

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 14, 2013 11:25 am

Date Received
05/17/2013

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	05/20/2013 12:28	05/20/2013 16:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
75-25-2	Bromoform	ND		ug/L	0.079	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS



Sample Information

Client Sample ID: WQ051413:1125NP2-7

York Sample ID: 13E0651-02

York Project (SDG) No.
13E0651

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 14, 2013 11:25 am

Date Received
05/17/2013

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	05/20/2013 12:28	05/20/2013 16:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 16:41	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.0 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	127 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	101 %	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	0.364		mg/L	0.0100	0.0200	1	EPA SW846-6010B	05/21/2013 14:45	05/21/2013 17:54	MW



Sample Information

Client Sample ID: WQ051413:1125NP2-7

York Sample ID: 13E0651-02

York Project (SDG) No.
13E0651

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 14, 2013 11:25 am

Date Received
05/17/2013

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	0.847		mg/L	0.0100	0.0200	1	EPA 200.7	05/21/2013 14:48	05/21/2013 19:00	MW

Sample Information

Client Sample ID: WQ051413:1130NP2-10

York Sample ID: 13E0652-01

York Project (SDG) No.
13E0652

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 14, 2013 11:30 am

Date Received
05/17/2013

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	05/20/2013 12:28	05/20/2013 17:16	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	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	05/20/2013 12:28	05/20/2013 17:16	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS



Sample Information

Client Sample ID: WQ051413:1130NP2-10

York Sample ID: 13E0652-01

York Project (SDG) No.
13E0652

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 14, 2013 11:30 am

Date Received
05/17/2013

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	05/20/2013 12:28	05/20/2013 17:16	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
75-25-2	Bromoform	ND		ug/L	0.079	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS



Sample Information

Client Sample ID: WQ051413:1130NP2-10

York Sample ID: 13E0652-01

York Project (SDG) No.
13E0652

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 14, 2013 11:30 am

Date Received
05/17/2013

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	05/20/2013 12:28	05/20/2013 17:16	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	05/20/2013 12:28	05/20/2013 17:16	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	89.3 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	114 %	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	0.433		mg/L	0.0100	0.0200	1	EPA SW846-6010B	05/21/2013 14:45	05/21/2013 17:59	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	0.959		mg/L	0.0100	0.0200	1	EPA 200.7	05/21/2013 14:48	05/21/2013 19:05	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	115		mg/L	1.00	1.00	1	SM 2540C	05/20/2013 10:53	05/21/2013 08:27	ALD



Analytical Batch Summary

Batch ID: BE30864

Preparation Method: EPA 5030B

Prepared By: BK

YORK Sample ID	Client Sample ID	Preparation Date
13E0651-01	WQ051413:1120NP2-6	05/20/13
13E0651-02	WQ051413:1125NP2-7	05/20/13
13E0652-01	WQ051413:1130NP2-10	05/20/13
BE30864-BLK1	Blank	05/20/13
BE30864-BS1	LCS	05/20/13
BE30864-BSD1	LCS Dup	05/20/13

Batch ID: BE30874

Preparation Method: % Solids Prep

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
13E0652-01	WQ051413:1130NP2-10	05/20/13
BE30874-BLK1	Blank	05/20/13
BE30874-DUP1	Duplicate	05/20/13

Batch ID: BE30964

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
13E0651-01	WQ051413:1120NP2-6	05/21/13
13E0651-02	WQ051413:1125NP2-7	05/21/13
13E0652-01	WQ051413:1130NP2-10	05/21/13
BE30964-BLK1	Blank	05/21/13
BE30964-DUP1	Duplicate	05/21/13
BE30964-MS1	Matrix Spike	05/21/13
BE30964-SRM1	Reference	05/21/13

Batch ID: BE30965

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
13E0651-01	WQ051413:1120NP2-6	05/21/13
13E0651-02	WQ051413:1125NP2-7	05/21/13
13E0652-01	WQ051413:1130NP2-10	05/21/13
BE30965-BLK1	Blank	05/21/13
BE30965-DUP1	Duplicate	05/21/13
BE30965-MS1	Matrix Spike	05/21/13
BE30965-SRM1	Reference	05/21/13



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 BE30864 - EPA 5030B

Blank (BE30864-BLK1)

Prepared & Analyzed: 05/20/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	2.0	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	2.0	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	2.0	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	ND	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	0.50	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 BE30864 - EPA 5030B

Blank (BE30864-BLK1)

Prepared & Analyzed: 05/20/2013

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>8.08</i>		<i>"</i>	<i>10.0</i>		<i>80.8</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>9.91</i>		<i>"</i>	<i>10.0</i>		<i>99.1</i>	<i>81.2-127</i>				

LCS (BE30864-BS1)

Prepared & Analyzed: 05/20/2013

1,1,1,2-Tetrachloroethane	11.2		ug/L	10.0		112	82.3-130				
1,1,1-Trichloroethane	10.1		"	10.0		101	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)	10.2		"	10.0		102	71.1-129				
1,1,2-Trichloroethane	10.2		"	10.0		102	74.5-129				
1,1-Dichloroethane	9.44		"	10.0		94.4	79.6-132				
1,1-Dichloroethylene	9.70		"	10.0		97.0	80.2-146				
1,1-Dichloropropylene	9.07		"	10.0		90.7	75-136				
1,2,3-Trichlorobenzene	10.1		"	10.0		101	66.1-136				
1,2,3-Trichloropropane	11.7		"	10.0		117	63-131				
1,2,4-Trichlorobenzene	10.1		"	10.0		101	70.6-136				
1,2,4-Trimethylbenzene	10.7		"	10.0		107	75.3-135				
1,2-Dibromo-3-chloropropane	13.9		"	10.0		139	58.9-140				
1,2-Dibromoethane	10.7		"	10.0		107	79-130				
1,2-Dichlorobenzene	10.4		"	10.0		104	76.1-122				
1,2-Dichloroethane	8.97		"	10.0		89.7	74.6-132				
1,2-Dichloropropane	10.5		"	10.0		105	76.9-129				
1,3,5-Trimethylbenzene	10.9		"	10.0		109	70.6-127				
1,3-Dichlorobenzene	10.3		"	10.0		103	77-124				
1,3-Dichloropropane	10.3		"	10.0		103	75.8-126				
1,4-Dichlorobenzene	10.3		"	10.0		103	76.6-125				
2,2-Dichloropropane	9.88		"	10.0		98.8	69-133				
2-Chlorotoluene	10.3		"	10.0		103	66.3-119				
2-Hexanone	9.91		"	10.0		99.1	70-130				
4-Chlorotoluene	10.7		"	10.0		107	69.2-127				
Acetone	6.97		"	10.0		69.7	70-130	Low Bias			
Benzene	9.55		"	10.0		95.5	76.2-129				
Bromobenzene	11.0		"	10.0		110	71.3-123				
Bromochloromethane	9.48		"	10.0		94.8	70.8-137				
Bromodichloromethane	11.0		"	10.0		110	79.7-134				
Bromoform	10.5		"	10.0		105	70.5-141				
Bromomethane	8.21		"	10.0		82.1	43.9-147				
Carbon tetrachloride	10.1		"	10.0		101	78.1-138				
Chlorobenzene	9.88		"	10.0		98.8	80.4-125				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE30864 - EPA 5030B

LCS (BE30864-BS1)

Prepared & Analyzed: 05/20/2013

Chloroethane	9.84		ug/L	10.0		98.4	55.8-140				
Chloroform	9.73		"	10.0		97.3	76.6-133				
Chloromethane	8.05		"	10.0		80.5	48.8-115				
cis-1,2-Dichloroethylene	9.45		"	10.0		94.5	75.1-128				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	74.5-128				
Dibromochloromethane	10.9		"	10.0		109	79.8-134				
Dibromomethane	11.5		"	10.0		115	79-130				
Dichlorodifluoromethane	9.85		"	10.0		98.5	47.1-101				
Ethyl Benzene	10.2		"	10.0		102	80.8-128				
Hexachlorobutadiene	10.6		"	10.0		106	64.8-128				
Isopropylbenzene	10.8		"	10.0		108	75.5-135				
Methyl tert-butyl ether (MTBE)	9.75		"	10.0		97.5	65.1-140				
Methylene chloride	9.21		"	10.0		92.1	61.3-120				
Naphthalene	10.2		"	10.0		102	62.3-148				
n-Butylbenzene	10.5		"	10.0		105	67.2-123				
n-Propylbenzene	10.6		"	10.0		106	70.5-127				
o-Xylene	9.63		"	10.0		96.3	75.9-122				
p- & m- Xylenes	20.1		"	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	10.3		"	10.0		103	77.8-123				
tert-Butylbenzene	10.6		"	10.0		106	75.9-151				
Tetrachloroethylene	9.88		"	10.0		98.8	63.6-167				
Toluene	9.95		"	10.0		99.5	77-123				
trans-1,2-Dichloroethylene	9.46		"	10.0		94.6	76.3-139				
trans-1,3-Dichloropropylene	10.5		"	10.0		105	72.5-137				
Trichloroethylene	10.3		"	10.0		103	77.9-130				
Trichlorofluoromethane	9.74		"	10.0		97.4	57.4-133				
Vinyl Chloride	9.23		"	10.0		92.3	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	8.82		"	10.0		88.2	72.6-129				
Surrogate: p-Bromofluorobenzene	10.3		"	10.0		103	63.5-145				
Surrogate: Toluene-d8	9.86		"	10.0		98.6	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
Batch BE30864 - EPA 5030B											
LCS Dup (BE30864-BSD1)						Prepared & Analyzed: 05/20/2013					
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82.3-130		4.77	21.1	
1,1,1-Trichloroethane	9.44		"	10.0		94.4	75.6-137		6.56	19.7	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	71.3-131		0.842	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.81		"	10.0		98.1	71.1-129		3.51	21.7	
1,1,2-Trichloroethane	9.80		"	10.0		98.0	74.5-129		3.61	20.3	
1,1-Dichloroethane	9.23		"	10.0		92.3	79.6-132		2.25	20.6	
1,1-Dichloroethylene	9.09		"	10.0		90.9	80.2-146		6.49	20	
1,1-Dichloropropylene	8.62		"	10.0		86.2	75-136		5.09	19.3	
1,2,3-Trichlorobenzene	9.23		"	10.0		92.3	66.1-136		9.20	21.6	
1,2,3-Trichloropropane	11.8		"	10.0		118	63-131		0.341	23.9	
1,2,4-Trichlorobenzene	9.47		"	10.0		94.7	70.6-136		6.24	21.7	
1,2,4-Trimethylbenzene	10.5		"	10.0		105	75.3-135		1.97	18.8	
1,2-Dibromo-3-chloropropane	13.2		"	10.0		132	58.9-140		5.15	27.7	
1,2-Dibromoethane	10.2		"	10.0		102	79-130		4.02	23	
1,2-Dichlorobenzene	10.0		"	10.0		100	76.1-122		3.14	19.8	
1,2-Dichloroethane	8.40		"	10.0		84.0	74.6-132		6.56	20.2	
1,2-Dichloropropane	10.3		"	10.0		103	76.9-129		2.31	20.7	
1,3,5-Trimethylbenzene	10.7		"	10.0		107	70.6-127		2.22	18.9	
1,3-Dichlorobenzene	10.3		"	10.0		103	77-124		0.583	19.2	
1,3-Dichloropropane	10.0		"	10.0		100	75.8-126		2.37	22.1	
1,4-Dichlorobenzene	10.2		"	10.0		102	76.6-125		1.27	18.6	
2,2-Dichloropropane	9.24		"	10.0		92.4	69-133		6.69	19.8	
2-Chlorotoluene	10.3		"	10.0		103	66.3-119		0.194	21.6	
2-Hexanone	9.20		"	10.0		92.0	70-130		7.43	30	
4-Chlorotoluene	10.7		"	10.0		107	69.2-127		0.280	19	
Acetone	6.79		"	10.0		67.9	70-130	Low Bias	2.62	30	
Benzene	9.24		"	10.0		92.4	76.2-129		3.30	19	
Bromobenzene	10.5		"	10.0		105	71.3-123		5.49	20.3	
Bromochloromethane	8.69		"	10.0		86.9	70.8-137		8.70	23.9	
Bromodichloromethane	10.8		"	10.0		108	79.7-134		2.02	21	
Bromoform	10.6		"	10.0		106	70.5-141		1.71	21.8	
Bromomethane	7.72		"	10.0		77.2	43.9-147		6.15	28.4	
Carbon tetrachloride	9.51		"	10.0		95.1	78.1-138		5.92	20.1	
Chlorobenzene	9.56		"	10.0		95.6	80.4-125		3.29	19.9	
Chloroethane	9.26		"	10.0		92.6	55.8-140		6.07	23.3	
Chloroform	8.83		"	10.0		88.3	76.6-133		9.70	20.3	
Chloromethane	7.63		"	10.0		76.3	48.8-115		5.36	24.5	
cis-1,2-Dichloroethylene	9.05		"	10.0		90.5	75.1-128		4.32	20.5	
cis-1,3-Dichloropropylene	10.3		"	10.0		103	74.5-128		1.63	19.9	
Dibromochloromethane	10.8		"	10.0		108	79.8-134		0.646	21.3	
Dibromomethane	11.3		"	10.0		113	79-130		2.20	22.4	
Dichlorodifluoromethane	8.80		"	10.0		88.0	47.1-101		11.3	23.9	
Ethyl Benzene	10.3		"	10.0		103	80.8-128		0.879	19.2	
Hexachlorobutadiene	10.7		"	10.0		107	64.8-128		1.22	20.6	
Isopropylbenzene	10.8		"	10.0		108	75.5-135		0.185	20	
Methyl tert-butyl ether (MTBE)	8.91		"	10.0		89.1	65.1-140		9.00	23.6	
Methylene chloride	8.52		"	10.0		85.2	61.3-120		7.78	20.4	
Naphthalene	9.97		"	10.0		99.7	62.3-148		1.79	27.1	
n-Butylbenzene	10.5		"	10.0		105	67.2-123		0.0954	19.1	
n-Propylbenzene	10.4		"	10.0		104	70.5-127		1.71	23.4	
o-Xylene	9.60		"	10.0		96.0	75.9-122		0.312	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 BE30864 - EPA 5030B

LCS Dup (BE30864-BSD1)

Prepared & Analyzed: 05/20/2013

p- & m- Xylenes	20.4		ug/L	20.0		102	77.7-127		1.48	18.6	
p-Isopropyltoluene	10.8		"	10.0		108	75.6-129		1.93	19.1	
sec-Butylbenzene	10.9		"	10.0		109	71.5-125		0.366	18.9	
Styrene	9.97		"	10.0		99.7	77.8-123		3.55	20.9	
tert-Butylbenzene	10.4		"	10.0		104	75.9-151		1.52	20.9	
Tetrachloroethylene	10.2		"	10.0		102	63.6-167		2.70	27.7	
Toluene	10.2		"	10.0		102	77-123		2.09	18.7	
trans-1,2-Dichloroethylene	8.68		"	10.0		86.8	76.3-139		8.60	19.5	
trans-1,3-Dichloropropylene	10.3		"	10.0		103	72.5-137		1.44	19.3	
Trichloroethylene	11.0		"	10.0		110	77.9-130		7.04	20.5	
Trichlorofluoromethane	9.11		"	10.0		91.1	57.4-133		6.68	21.4	
Vinyl Chloride	8.82		"	10.0		88.2	54.9-124		4.54	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>7.76</i>		<i>"</i>	<i>10.0</i>		<i>77.6</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.70</i>		<i>"</i>	<i>10.0</i>		<i>97.0</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
Batch BE30964 - EPA 3010A											
Blank (BE30964-BLK1)											
								Prepared & Analyzed: 05/21/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BE30964-DUP1)											
*Source sample: 13E0652-01 (WQ051413:1130NP2-10)								Prepared & Analyzed: 05/21/2013			
Iron - Dissolved	0.440	0.0200	mg/L		0.433				1.40	20	
Matrix Spike (BE30964-MS1)											
*Source sample: 13E0652-01 (WQ051413:1130NP2-10)								Prepared & Analyzed: 05/21/2013			
Iron - Dissolved	1.51	0.0200	mg/L	1.00	0.433	108	75-125				
Reference (BE30964-SRM1)											
								Prepared & Analyzed: 05/21/2013			
Iron - Dissolved	0.460	0.0200	mg/L	0.462		99.6	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
Batch BE30965 - EPA 3010A											
Blank (BE30965-BLK1)								Prepared & Analyzed: 05/21/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BE30965-DUP1)								*Source sample: 13E0652-01 (WQ051413:1130NP2-10) Prepared & Analyzed: 05/21/2013			
Iron	0.974	0.0200	mg/L		0.959				1.52	20	
Matrix Spike (BE30965-MS1)								*Source sample: 13E0652-01 (WQ051413:1130NP2-10) Prepared & Analyzed: 05/21/2013			
Iron	2.00	0.0200	mg/L	1.00	0.959	104	75-125				
Reference (BE30965-SRM1)								Prepared & Analyzed: 05/21/2013			
Iron	0.450	0.0200	mg/L	0.462		97.4	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
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BE30874 - % Solids Prep

Blank (BE30874-BLK1)

Prepared: 05/20/2013 Analyzed: 05/21/2013

Total Dissolved Solids ND 1.00 mg/L

Duplicate (BE30874-DUP1)

*Source sample: 13E0652-01 (WQ051413:1130NP2-10)

Prepared: 05/20/2013 Analyzed: 05/21/2013

Total Dissolved Solids 120 1.00 mg/L 115 4.26 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13E0651-01	WQ051413:1120NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0651-02	WQ051413:1125NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0652-01	WQ051413:1130NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

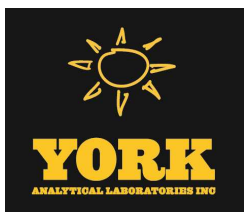
Field Chain-of-Custody Record

Page 1 of 1

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

York Project No. 13E0652

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type	
Company: <u>LBG</u>	Company: <u>Same</u>	Company: <u>Same</u>		Company: <u>Same</u>		Rush - Same Day ☐		Summary Report <u>X</u> pdf		Summary w/ QA Summary <u>X</u> pdf	
Address: <u>4 Research Dr Suite 301</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>		Address: <u>Shelton, CT 06484</u>		Rush - Next Day ☐		CT RCP Package		CT RCP Package	
Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>		Phone No. <u>203-929-8555</u>		Rush - Two Day ☐		CTRCP DQADUE Pkg		CTRCP DQADUE Pkg	
Contact Person: <u>Tunde Sandor</u>	Contact Person: <u>Tunde Sandor</u>	Contact Person: <u>Tunde Sandor</u>		Contact Person: <u>Tunde Sandor</u>		Rush - Three Day ☐		NY ASP A Package		NY ASP A Package	
E-Mail Address: <u>Tsandor@lbgt.com</u>	E-Mail Address: <u>Tsandor@lbgt.com</u>	E-Mail Address: <u>Tsandor@lbgt.com</u>		E-Mail Address: <u>Tsandor@lbgt.com</u>		Rush - Four Day ☐		NY ASP B Package <u>NP2 to only</u>		NY ASP B Package <u>NP2 to only</u>	
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.		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.		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.		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.		Standard (5-7 Days) ☒		ELECTRONIC DATA DELIVERABLES (EDD)	
Name (printed) <u>STEPHEN HNAI</u>		Name (printed) <u>STEPHEN HNAI</u>		Name (printed) <u>STEPHEN HNAI</u>		Name (printed) <u>STEPHEN HNAI</u>		Simple Excel <u>X</u>		Simple Excel <u>X</u>	
Samples Collected/Authorized By (Signature) <u>[Signature]</u>		Samples Collected/Authorized By (Signature) <u>[Signature]</u>		Samples Collected/Authorized By (Signature) <u>[Signature]</u>		Samples Collected/Authorized By (Signature) <u>[Signature]</u>		NYSDEC EQUIS		NYSDEC EQUIS	
Matrix Codes		Matrix Codes		Matrix Codes		Matrix Codes		EQUIS (std)		EQUIS (std)	
S - soil		S - soil		S - soil		S - soil		EZ-EDD (EQUIS)		EZ-EDD (EQUIS)	
Other - specify (oil, etc)		Other - specify (oil, etc)		Other - specify (oil, etc)		Other - specify (oil, etc)		Full TCLP		Full TCLP	
WW - wastewater		WW - wastewater		WW - wastewater		WW - wastewater		Flash Point		Flash Point	
GW - groundwater		GW - groundwater		GW - groundwater		GW - groundwater		Sieve Anal.		Sieve Anal.	
DW - drinking water		DW - drinking water		DW - drinking water		DW - drinking water		Heterotrophs		Heterotrophs	
Air-A - ambient air		Air-A - ambient air		Air-A - ambient air		Air-A - ambient air		TOX		TOX	
Air-SV - soil vapor		Air-SV - soil vapor		Air-SV - soil vapor		Air-SV - soil vapor		BTU/b.		BTU/b.	
Sample Matrix		Sample Matrix		Sample Matrix		Sample Matrix		Aquatic Tox		Aquatic Tox	
Date Sampled		Date Sampled		Date Sampled		Date Sampled		TOC		TOC	
Sample Identification		Sample Identification		Sample Identification		Sample Identification		NYSDEC Semi		NYSDEC Semi	
Comments		Comments		Comments		Comments		TAGM		TAGM	
Preservation		Preservation		Preservation		Preservation		Helium		Helium	
Check those Applicable		Check those Applicable		Check those Applicable		Check those Applicable		Choose Analyses Needed from the Menu Above and Enter Below		Choose Analyses Needed from the Menu Above and Enter Below	
Special Instructions		Special Instructions		Special Instructions		Special Instructions		Fe by EPA 200.7/Fe, Dissolved by EPA 8010 (SWP46-60106) / VOLS, R260 List (EPA SWP45-R260A) plus from 113		Fe by EPA 200.7/Fe, Dissolved by EPA 8010 (SWP46-60106) / VOLS, R260 List (EPA SWP45-R260A) plus from 113	
Field Filtered ☐		Field Filtered ☐		Field Filtered ☐		Field Filtered ☐		Fe by EPA 200.7/Fe, Dissolved by EPA 8010 (SWP46-60106) / VOLS, R260 List (EPA SWP45-R260A) plus from 113		Fe by EPA 200.7/Fe, Dissolved by EPA 8010 (SWP46-60106) / VOLS, R260 List (EPA SWP45-R260A) plus from 113	
Lab to Filter ☐		Lab to Filter ☐		Lab to Filter ☐		Lab to Filter ☐		Fe by EPA 200.7/Fe, Dissolved by EPA 8010 (SWP46-60106) / VOLS, R260 List (EPA SWP45-R260A) plus from 113		Fe by EPA 200.7/Fe, Dissolved by EPA 8010 (SWP46-60106) / VOLS, R260 List (EPA SWP45-R260A) plus from 113	
Temperature on Receipt		Temperature on Receipt		Temperature on Receipt		Temperature on Receipt		3V 2P		3V 2P	
4.1 °C		4.1 °C		4.1 °C		4.1 °C		3V 3C		3V 3C	



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 05/30/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13E0880

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 05/30/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13E0880

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 24, 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>
13E0880-01	WQ052313:0900NP2-6	Water	05/23/2013	05/24/2013
13E0880-02	WQ052313:0905NP2-7	Water	05/23/2013	05/24/2013
13E0881-01	WQ052313:0910 NP2-10	Water	05/23/2013	05/24/2013

General Notes for York Project (SDG) No.: 13E0880

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: 05/30/2013

YORK



Sample Information

Client Sample ID: WQ052313:0900NP2-6

York Sample ID: 13E0880-01

York Project (SDG) No.

13E0880

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

May 23, 2013 9:00 am

Date Received

05/24/2013

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	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
71-55-6	1,1,1-Trichloroethane	0.23	J	ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS



Sample Information

Client Sample ID: WQ052313:0900NP2-6

York Sample ID: 13E0880-01

York Project (SDG) No.
13E0880

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 23, 2013 9:00 am

Date Received
05/24/2013

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	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
127-18-4	Tetrachloroethylene	0.86		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	05/29/2013 12:06	05/30/2013 01:09	SS



Sample Information

Client Sample ID: WQ052313:0900NP2-6

York Sample ID: 13E0880-01

York Project (SDG) No.
13E0880

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 23, 2013 9:00 am

Date Received
05/24/2013

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
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.3 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	117 %			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	ND		mg/L	0.0100	0.0200	1	EPA SW846-6010B	05/29/2013 16:19	05/29/2013 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	29.2		mg/L	0.0100	0.0200	1	EPA 200.7	05/29/2013 16:20	05/29/2013 19:13	MW

Sample Information

Client Sample ID: WQ052313:0905NP2-7

York Sample ID: 13E0880-02

York Project (SDG) No.
13E0880

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 23, 2013 9:05 am

Date Received
05/24/2013

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	05/28/2013 14:10	05/28/2013 17:32	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 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	05/28/2013 14:10	05/28/2013 17:32	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS



Sample Information

Client Sample ID: WQ052313:0905NP2-7

York Sample ID: 13E0880-02

York Project (SDG) No.
13E0880

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 23, 2013 9:05 am

Date Received
05/24/2013

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	05/28/2013 14:10	05/28/2013 17:32	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS



Sample Information

Client Sample ID: WQ052313:0905NP2-7

York Sample ID: 13E0880-02

York Project (SDG) No.
13E0880

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 23, 2013 9:05 am

Date Received
05/24/2013

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	05/28/2013 14:10	05/28/2013 17:32	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
75-09-2	Methylene chloride	1.1	J	ug/L	0.26	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 17:32	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	89.0 %	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	0.141		mg/L	0.0100	0.0200	1	EPA SW846-6010B	05/29/2013 16:19	05/29/2013 18:16	MW



Sample Information

Client Sample ID: WQ052313:0905NP2-7

York Sample ID: 13E0880-02

York Project (SDG) No.
13E0880

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 23, 2013 9:05 am

Date Received
05/24/2013

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	22.8		mg/L	0.0100	0.0200	1	EPA 200.7	05/29/2013 16:20	05/29/2013 19:18	MW

Sample Information

Client Sample ID: WQ052313:0910 NP2-10

York Sample ID: 13E0881-01

York Project (SDG) No.
13E0881

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 23, 2013 9:10 am

Date Received
05/24/2013

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	05/28/2013 14:10	05/28/2013 18:07	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	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	05/28/2013 14:10	05/28/2013 18:07	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS



Sample Information

Client Sample ID: WQ052313:0910 NP2-10

York Sample ID: 13E0881-01

York Project (SDG) No.
13E0881

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 23, 2013 9:10 am

Date Received
05/24/2013

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	05/28/2013 14:10	05/28/2013 18:07	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
75-09-2	Methylene chloride	1.0	J	ug/L	0.26	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS



Sample Information

Client Sample ID: WQ052313:0910 NP2-10

York Sample ID: 13E0881-01

York Project (SDG) No.
13E0881

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 23, 2013 9:10 am

Date Received
05/24/2013

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	05/28/2013 14:10	05/28/2013 18:07	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 18:07	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	87.0 %		72.6-129							
460-00-4	Surrogate: p-Bromofluorobenzene	121 %		63.5-145							
2037-26-5	Surrogate: Toluene-d8	99.9 %		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	0.195		mg/L	0.0100	0.0200	1	EPA SW846-6010B	05/29/2013 16:19	05/29/2013 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	46.3		mg/L	0.0100	0.0200	1	EPA 200.7	05/29/2013 16:20	05/29/2013 19:23	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	134		mg/L	1.00	1.00	1	SM 2540C	05/28/2013 11:11	05/29/2013 10:33	ALD



Analytical Batch Summary

Batch ID: BE31209 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13E0880-02	WQ052313:0905NP2-7	05/28/13
13E0881-01	WQ052313:0910 NP2-10	05/28/13
BE31209-BLK1	Blank	05/28/13
BE31209-BS1	LCS	05/28/13
BE31209-BSD1	LCS Dup	05/28/13

Batch ID: BE31224 **Preparation Method:** % Solids Prep **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13E0881-01	WQ052313:0910 NP2-10	05/28/13
BE31224-BLK1	Blank	05/28/13
BE31224-DUP1	Duplicate	05/28/13

Batch ID: BE31303 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13E0880-01	WQ052313:0900NP2-6	05/29/13
BE31303-BLK1	Blank	05/29/13
BE31303-BS1	LCS	05/29/13
BE31303-BSD1	LCS Dup	05/29/13

Batch ID: BE31308 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13E0880-01	WQ052313:0900NP2-6	05/29/13
13E0880-02	WQ052313:0905NP2-7	05/29/13
13E0881-01	WQ052313:0910 NP2-10	05/29/13
BE31308-BLK1	Blank	05/29/13
BE31308-DUP1	Duplicate	05/29/13
BE31308-MS1	Matrix Spike	05/29/13
BE31308-SRM1	Reference	05/29/13

Batch ID: BE31309 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13E0880-01	WQ052313:0900NP2-6	05/29/13
13E0880-02	WQ052313:0905NP2-7	05/29/13
13E0881-01	WQ052313:0910 NP2-10	05/29/13
BE31309-BLK1	Blank	05/29/13
BE31309-SRM1	Reference	05/29/13



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 BE31209 - EPA 5030B

Blank (BE31209-BLK1)

Prepared & Analyzed: 05/28/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	2.0	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	2.0	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	2.0	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	ND	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	0.66	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 BE31209 - EPA 5030B

Blank (BE31209-BLK1)

Prepared & Analyzed: 05/28/2013

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>8.11</i>		<i>"</i>	<i>10.0</i>		<i>81.1</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>11.6</i>		<i>"</i>	<i>10.0</i>		<i>116</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.95</i>		<i>"</i>	<i>10.0</i>		<i>99.5</i>	<i>81.2-127</i>				

LCS (BE31209-BS1)

Prepared & Analyzed: 05/28/2013

1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	82.3-130				
1,1,1-Trichloroethane	10.3		"	10.0		103	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)	11.0		"	10.0		110	71.1-129				
1,1,2-Trichloroethane	10.3		"	10.0		103	74.5-129				
1,1-Dichloroethane	9.69		"	10.0		96.9	79.6-132				
1,1-Dichloroethylene	10.1		"	10.0		101	80.2-146				
1,1-Dichloropropylene	9.64		"	10.0		96.4	75-136				
1,2,3-Trichlorobenzene	9.57		"	10.0		95.7	66.1-136				
1,2,3-Trichloropropane	13.0		"	10.0		130	63-131				
1,2,4-Trichlorobenzene	9.46		"	10.0		94.6	70.6-136				
1,2,4-Trimethylbenzene	11.4		"	10.0		114	75.3-135				
1,2-Dibromo-3-chloropropane	12.4		"	10.0		124	58.9-140				
1,2-Dibromoethane	10.3		"	10.0		103	79-130				
1,2-Dichlorobenzene	10.6		"	10.0		106	76.1-122				
1,2-Dichloroethane	8.67		"	10.0		86.7	74.6-132				
1,2-Dichloropropane	10.5		"	10.0		105	76.9-129				
1,3,5-Trimethylbenzene	11.4		"	10.0		114	70.6-127				
1,3-Dichlorobenzene	10.8		"	10.0		108	77-124				
1,3-Dichloropropane	10.0		"	10.0		100	75.8-126				
1,4-Dichlorobenzene	11.0		"	10.0		110	76.6-125				
2,2-Dichloropropane	10.2		"	10.0		102	69-133				
2-Chlorotoluene	11.1		"	10.0		111	66.3-119				
2-Hexanone	9.34		"	10.0		93.4	70-130				
4-Chlorotoluene	11.6		"	10.0		116	69.2-127				
Acetone	7.44		"	10.0		74.4	70-130				
Benzene	10.1		"	10.0		101	76.2-129				
Bromobenzene	11.2		"	10.0		112	71.3-123				
Bromochloromethane	9.11		"	10.0		91.1	70.8-137				
Bromodichloromethane	11.2		"	10.0		112	79.7-134				
Bromoform	12.2		"	10.0		122	70.5-141				
Bromomethane	8.38		"	10.0		83.8	43.9-147				
Carbon tetrachloride	10.6		"	10.0		106	78.1-138				
Chlorobenzene	10.1		"	10.0		101	80.4-125				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE31209 - EPA 5030B

LCS (BE31209-BS1)

Prepared & Analyzed: 05/28/2013

Chloroethane	10.2		ug/L	10.0		102	55.8-140				
Chloroform	9.66		"	10.0		96.6	76.6-133				
Chloromethane	9.01		"	10.0		90.1	48.8-115				
cis-1,2-Dichloroethylene	10.0		"	10.0		100	75.1-128				
cis-1,3-Dichloropropylene	11.1		"	10.0		111	74.5-128				
Dibromochloromethane	11.2		"	10.0		112	79.8-134				
Dibromomethane	11.4		"	10.0		114	79-130				
Dichlorodifluoromethane	8.84		"	10.0		88.4	47.1-101				
Ethyl Benzene	10.9		"	10.0		109	80.8-128				
Hexachlorobutadiene	10.2		"	10.0		102	64.8-128				
Isopropylbenzene	11.9		"	10.0		119	75.5-135				
Methyl tert-butyl ether (MTBE)	9.60		"	10.0		96.0	65.1-140				
Methylene chloride	9.34		"	10.0		93.4	61.3-120				
Naphthalene	9.70		"	10.0		97.0	62.3-148				
n-Butylbenzene	11.2		"	10.0		112	67.2-123				
n-Propylbenzene	11.6		"	10.0		116	70.5-127				
o-Xylene	9.99		"	10.0		99.9	75.9-122				
p- & m- Xylenes	21.3		"	20.0		107	77.7-127				
p-Isopropyltoluene	11.7		"	10.0		117	75.6-129				
sec-Butylbenzene	11.8		"	10.0		118	71.5-125				
Styrene	10.2		"	10.0		102	77.8-123				
tert-Butylbenzene	11.5		"	10.0		115	75.9-151				
Tetrachloroethylene	10.8		"	10.0		108	63.6-167				
Toluene	10.5		"	10.0		105	77-123				
trans-1,2-Dichloroethylene	9.64		"	10.0		96.4	76.3-139				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	72.5-137				
Trichloroethylene	11.3		"	10.0		113	77.9-130				
Trichlorofluoromethane	9.95		"	10.0		99.5	57.4-133				
Vinyl Chloride	9.44		"	10.0		94.4	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	8.00		"	10.0		80.0	72.6-129				
Surrogate: p-Bromofluorobenzene	10.8		"	10.0		108	63.5-145				
Surrogate: Toluene-d8	9.96		"	10.0		99.6	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
Batch BE31209 - EPA 5030B											
LCS Dup (BE31209-BSD1)						Prepared & Analyzed: 05/28/2013					
1,1,1,2-Tetrachloroethane	11.3		ug/L	10.0		113	82.3-130		1.16	21.1	
1,1,1-Trichloroethane	10.9		"	10.0		109	75.6-137		5.68	19.7	
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	71.3-131		9.16	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7		"	10.0		117	71.1-129		6.19	21.7	
1,1,2-Trichloroethane	10.2		"	10.0		102	74.5-129		0.878	20.3	
1,1-Dichloroethane	10.3		"	10.0		103	79.6-132		6.20	20.6	
1,1-Dichloroethylene	10.6		"	10.0		106	80.2-146		4.53	20	
1,1-Dichloropropylene	10.1		"	10.0		101	75-136		4.96	19.3	
1,2,3-Trichlorobenzene	9.94		"	10.0		99.4	66.1-136		3.79	21.6	
1,2,3-Trichloropropane	12.2		"	10.0		122	63-131		6.12	23.9	
1,2,4-Trichlorobenzene	9.80		"	10.0		98.0	70.6-136		3.53	21.7	
1,2,4-Trimethylbenzene	11.2		"	10.0		112	75.3-135		2.30	18.8	
1,2-Dibromo-3-chloropropane	13.4		"	10.0		134	58.9-140		7.93	27.7	
1,2-Dibromoethane	10.2		"	10.0		102	79-130		1.66	23	
1,2-Dichlorobenzene	10.2		"	10.0		102	76.1-122		4.62	19.8	
1,2-Dichloroethane	9.37		"	10.0		93.7	74.6-132		7.76	20.2	
1,2-Dichloropropane	10.2		"	10.0		102	76.9-129		3.29	20.7	
1,3,5-Trimethylbenzene	11.2		"	10.0		112	70.6-127		2.39	18.9	
1,3-Dichlorobenzene	10.1		"	10.0		101	77-124		6.61	19.2	
1,3-Dichloropropane	9.58		"	10.0		95.8	75.8-126		4.69	22.1	
1,4-Dichlorobenzene	10.1		"	10.0		101	76.6-125		8.72	18.6	
2,2-Dichloropropane	11.0		"	10.0		110	69-133		7.90	19.8	
2-Chlorotoluene	10.5		"	10.0		105	66.3-119		5.19	21.6	
2-Hexanone	9.61		"	10.0		96.1	70-130		2.85	30	
4-Chlorotoluene	11.0		"	10.0		110	69.2-127		5.74	19	
Acetone	7.18		"	10.0		71.8	70-130		3.56	30	
Benzene	10.8		"	10.0		108	76.2-129		6.03	19	
Bromobenzene	10.8		"	10.0		108	71.3-123		3.09	20.3	
Bromochloromethane	9.77		"	10.0		97.7	70.8-137		6.99	23.9	
Bromodichloromethane	10.6		"	10.0		106	79.7-134		4.86	21	
Bromoform	10.3		"	10.0		103	70.5-141		17.4	21.8	
Bromomethane	8.73		"	10.0		87.3	43.9-147		4.09	28.4	
Carbon tetrachloride	11.2		"	10.0		112	78.1-138		6.33	20.1	
Chlorobenzene	10.0		"	10.0		100	80.4-125		0.597	19.9	
Chloroethane	10.2		"	10.0		102	55.8-140		0.294	23.3	
Chloroform	10.2		"	10.0		102	76.6-133		4.95	20.3	
Chloromethane	9.42		"	10.0		94.2	48.8-115		4.45	24.5	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	75.1-128		3.34	20.5	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	74.5-128		7.99	19.9	
Dibromochloromethane	10.7		"	10.0		107	79.8-134		4.83	21.3	
Dibromomethane	11.6		"	10.0		116	79-130		1.47	22.4	
Dichlorodifluoromethane	9.40		"	10.0		94.0	47.1-101		6.14	23.9	
Ethyl Benzene	10.7		"	10.0		107	80.8-128		1.76	19.2	
Hexachlorobutadiene	10.5		"	10.0		105	64.8-128		2.90	20.6	
Isopropylbenzene	11.0		"	10.0		110	75.5-135		7.95	20	
Methyl tert-butyl ether (MTBE)	9.86		"	10.0		98.6	65.1-140		2.67	23.6	
Methylene chloride	9.81		"	10.0		98.1	61.3-120		4.91	20.4	
Naphthalene	9.53		"	10.0		95.3	62.3-148		1.77	27.1	
n-Butylbenzene	11.0		"	10.0		110	67.2-123		2.44	19.1	
n-Propylbenzene	11.0		"	10.0		110	70.5-127		5.59	23.4	
o-Xylene	9.92		"	10.0		99.2	75.9-122		0.703	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 BE31209 - EPA 5030B

LCS Dup (BE31209-BSD1)

Prepared & Analyzed: 05/28/2013

p- & m- Xylenes	20.9		ug/L	20.0		104	77.7-127		2.23	18.6
p-Isopropyltoluene	11.1		"	10.0		111	75.6-129		5.01	19.1
sec-Butylbenzene	11.2		"	10.0		112	71.5-125		6.09	18.9
Styrene	10.2		"	10.0		102	77.8-123		0.392	20.9
tert-Butylbenzene	10.9		"	10.0		109	75.9-151		5.10	20.9
Tetrachloroethylene	10.6		"	10.0		106	63.6-167		2.06	27.7
Toluene	10.4		"	10.0		104	77-123		0.668	18.7
trans-1,2-Dichloroethylene	10.1		"	10.0		101	76.3-139		4.76	19.5
trans-1,3-Dichloropropylene	10.5		"	10.0		105	72.5-137		0.383	19.3
Trichloroethylene	11.0		"	10.0		110	77.9-130		3.05	20.5
Trichlorofluoromethane	10.8		"	10.0		108	57.4-133		7.82	21.4
Vinyl Chloride	10.1		"	10.0		101	54.9-124		6.85	22.3
Surrogate: 1,2-Dichloroethane-d4	8.90		"	10.0		89.0	72.6-129			
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	63.5-145			
Surrogate: Toluene-d8	9.68		"	10.0		96.8	81.2-127			

Batch BE31303 - EPA 5030B

Blank (BE31303-BLK1)

Prepared & Analyzed: 05/29/2013

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	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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE31303 - EPA 5030B

Blank (BE31303-BLK1)

Prepared & Analyzed: 05/29/2013

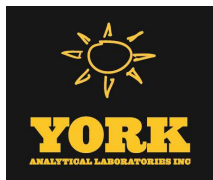
Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	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	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	8.98		"	10.0		89.8	72.6-129				
Surrogate: p-Bromofluorobenzene	11.3		"	10.0		113	63.5-145				
Surrogate: Toluene-d8	9.91		"	10.0		99.1	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
Batch BE31303 - EPA 5030B											
LCS (BE31303-BS1)						Prepared & Analyzed: 05/29/2013					
1,1,1,2-Tetrachloroethane	11.2		ug/L	10.0		112	82.3-130				
1,1,1-Trichloroethane	10.8		"	10.0		108	75.6-137				
1,1,2,2-Tetrachloroethane	12.0		"	10.0		120	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	71.1-129				
1,1,2-Trichloroethane	11.4		"	10.0		114	74.5-129				
1,1-Dichloroethane	10.4		"	10.0		104	79.6-132				
1,1-Dichloroethylene	10.4		"	10.0		104	80.2-146				
1,1-Dichloropropylene	10.3		"	10.0		103	75-136				
1,2,3-Trichlorobenzene	9.57		"	10.0		95.7	66.1-136				
1,2,3-Trichloropropane	14.1		"	10.0		141	63-131	High Bias			
1,2,4-Trichlorobenzene	10.9		"	10.0		109	70.6-136				
1,2,4-Trimethylbenzene	11.8		"	10.0		118	75.3-135				
1,2-Dibromo-3-chloropropane	14.9		"	10.0		149	58.9-140	High Bias			
1,2-Dibromoethane	10.8		"	10.0		108	79-130				
1,2-Dichlorobenzene	11.1		"	10.0		111	76.1-122				
1,2-Dichloroethane	9.97		"	10.0		99.7	74.6-132				
1,2-Dichloropropane	10.3		"	10.0		103	76.9-129				
1,3,5-Trimethylbenzene	12.0		"	10.0		120	70.6-127				
1,3-Dichlorobenzene	11.0		"	10.0		110	77-124				
1,3-Dichloropropane	10.9		"	10.0		109	75.8-126				
1,4-Dichlorobenzene	10.9		"	10.0		109	76.6-125				
2,2-Dichloropropane	9.84		"	10.0		98.4	69-133				
2-Chlorotoluene	11.4		"	10.0		114	66.3-119				
2-Hexanone	10.8		"	10.0		108	70-130				
4-Chlorotoluene	12.0		"	10.0		120	69.2-127				
Acetone	7.43		"	10.0		74.3	70-130				
Benzene	10.7		"	10.0		107	76.2-129				
Bromobenzene	12.0		"	10.0		120	71.3-123				
Bromochloromethane	10.6		"	10.0		106	70.8-137				
Bromodichloromethane	11.6		"	10.0		116	79.7-134				
Bromoform	11.2		"	10.0		112	70.5-141				
Bromomethane	7.68		"	10.0		76.8	43.9-147				
Carbon tetrachloride	10.3		"	10.0		103	78.1-138				
Chlorobenzene	10.3		"	10.0		103	80.4-125				
Chloroethane	9.77		"	10.0		97.7	55.8-140				
Chloroform	10.5		"	10.0		105	76.6-133				
Chloromethane	7.49		"	10.0		74.9	48.8-115				
cis-1,2-Dichloroethylene	10.5		"	10.0		105	75.1-128				
cis-1,3-Dichloropropylene	10.8		"	10.0		108	74.5-128				
Dibromochloromethane	11.6		"	10.0		116	79.8-134				
Dibromomethane	11.5		"	10.0		115	79-130				
Dichlorodifluoromethane	5.46		"	10.0		54.6	47.1-101				
Ethyl Benzene	11.2		"	10.0		112	80.8-128				
Hexachlorobutadiene	11.1		"	10.0		111	64.8-128				
Isopropylbenzene	11.7		"	10.0		117	75.5-135				
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	65.1-140				
Methylene chloride	10.2		"	10.0		102	61.3-120				
Naphthalene	10.7		"	10.0		107	62.3-148				
n-Butylbenzene	11.7		"	10.0		117	67.2-123				
n-Propylbenzene	11.6		"	10.0		116	70.5-127				
o-Xylene	10.4		"	10.0		104	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 BE31303 - EPA 5030B

LCS (BE31303-BS1)

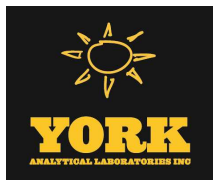
Prepared & Analyzed: 05/29/2013

p- & m- Xylenes	21.8		ug/L	20.0		109	77.7-127				
p-Isopropyltoluene	11.5		"	10.0		115	75.6-129				
sec-Butylbenzene	11.9		"	10.0		119	71.5-125				
Styrene	11.1		"	10.0		111	77.8-123				
tert-Butylbenzene	12.4		"	10.0		124	75.9-151				
Tetrachloroethylene	9.54		"	10.0		95.4	63.6-167				
Toluene	10.5		"	10.0		105	77-123				
trans-1,2-Dichloroethylene	10.3		"	10.0		103	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	9.87		"	10.0		98.7	57.4-133				
Vinyl Chloride	7.95		"	10.0		79.5	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	8.77		"	10.0		87.7	72.6-129				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	63.5-145				
Surrogate: Toluene-d8	9.85		"	10.0		98.5	81.2-127				

LCS Dup (BE31303-BSD1)

Prepared & Analyzed: 05/29/2013

1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82.3-130		1.26	21.1	
1,1,1-Trichloroethane	10.8		"	10.0		108	75.6-137		0.0930	19.7	
1,1,2,2-Tetrachloroethane	11.5		"	10.0		115	71.3-131		4.68	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	71.1-129		1.95	21.7	
1,1,2-Trichloroethane	10.0		"	10.0		100	74.5-129		12.1	20.3	
1,1-Dichloroethane	10.3		"	10.0		103	79.6-132		0.386	20.6	
1,1-Dichloroethylene	10.2		"	10.0		102	80.2-146		2.72	20	
1,1-Dichloropropylene	9.97		"	10.0		99.7	75-136		3.16	19.3	
1,2,3-Trichlorobenzene	9.71		"	10.0		97.1	66.1-136		1.45	21.6	
1,2,3-Trichloropropane	12.6		"	10.0		126	63-131		11.9	23.9	
1,2,4-Trichlorobenzene	10.0		"	10.0		100	70.6-136		8.52	21.7	
1,2,4-Trimethylbenzene	11.0		"	10.0		110	75.3-135		7.19	18.8	
1,2-Dibromo-3-chloropropane	14.2		"	10.0		142	58.9-140	High Bias	4.89	27.7	
1,2-Dibromoethane	10.3		"	10.0		103	79-130		5.30	23	
1,2-Dichlorobenzene	10.7		"	10.0		107	76.1-122		3.66	19.8	
1,2-Dichloroethane	9.56		"	10.0		95.6	74.6-132		4.20	20.2	
1,2-Dichloropropane	10.4		"	10.0		104	76.9-129		0.967	20.7	
1,3,5-Trimethylbenzene	11.6		"	10.0		116	70.6-127		3.65	18.9	
1,3-Dichlorobenzene	10.5		"	10.0		105	77-124		4.20	19.2	
1,3-Dichloropropane	10.2		"	10.0		102	75.8-126		6.26	22.1	
1,4-Dichlorobenzene	10.3		"	10.0		103	76.6-125		5.65	18.6	
2,2-Dichloropropane	9.64		"	10.0		96.4	69-133		2.05	19.8	
2-Chlorotoluene	10.9		"	10.0		109	66.3-119		3.77	21.6	
2-Hexanone	10.2		"	10.0		102	70-130		5.92	30	
4-Chlorotoluene	11.4		"	10.0		114	69.2-127		4.62	19	
Acetone	7.29		"	10.0		72.9	70-130		1.90	30	
Benzene	10.6		"	10.0		106	76.2-129		0.845	19	
Bromobenzene	11.1		"	10.0		111	71.3-123		7.65	20.3	
Bromochloromethane	10.3		"	10.0		103	70.8-137		2.96	23.9	
Bromodichloromethane	10.7		"	10.0		107	79.7-134		8.44	21	
Bromoform	10.9		"	10.0		109	70.5-141		2.80	21.8	
Bromomethane	7.67		"	10.0		76.7	43.9-147		0.130	28.4	
Carbon tetrachloride	10.8		"	10.0		108	78.1-138		3.98	20.1	
Chlorobenzene	9.89		"	10.0		98.9	80.4-125		3.87	19.9	
Chloroethane	9.63		"	10.0		96.3	55.8-140		1.44	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 BE31303 - EPA 5030B

LCS Dup (BE31303-BSD1)

Prepared & Analyzed: 05/29/2013

Chloroform	10.6		ug/L	10.0		106	76.6-133		0.857	20.3	
Chloromethane	7.25		"	10.0		72.5	48.8-115		3.26	24.5	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	75.1-128		0.767	20.5	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	74.5-128		3.69	19.9	
Dibromochloromethane	10.4		"	10.0		104	79.8-134		10.9	21.3	
Dibromomethane	9.24		"	10.0		92.4	79-130		21.7	22.4	
Dichlorodifluoromethane	5.58		"	10.0		55.8	47.1-101		2.17	23.9	
Ethyl Benzene	10.6		"	10.0		106	80.8-128		5.43	19.2	
Hexachlorobutadiene	10.7		"	10.0		107	64.8-128		3.48	20.6	
Isopropylbenzene	11.4		"	10.0		114	75.5-135		2.94	20	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	65.1-140		0.499	23.6	
Methylene chloride	9.87		"	10.0		98.7	61.3-120		3.19	20.4	
Naphthalene	9.79		"	10.0		97.9	62.3-148		8.70	27.1	
n-Butylbenzene	11.1		"	10.0		111	67.2-123		5.44	19.1	
n-Propylbenzene	11.1		"	10.0		111	70.5-127		3.87	23.4	
o-Xylene	10.1		"	10.0		101	75.9-122		3.21	19.3	
p- & m- Xylenes	21.1		"	20.0		106	77.7-127		3.35	18.6	
p-Isopropyltoluene	11.1		"	10.0		111	75.6-129		3.73	19.1	
sec-Butylbenzene	11.5		"	10.0		115	71.5-125		3.60	18.9	
Styrene	9.98		"	10.0		99.8	77.8-123		10.4	20.9	
tert-Butylbenzene	11.7		"	10.0		117	75.9-151		5.80	20.9	
Tetrachloroethylene	9.84		"	10.0		98.4	63.6-167		3.10	27.7	
Toluene	10.4		"	10.0		104	77-123		1.43	18.7	
trans-1,2-Dichloroethylene	10.0		"	10.0		100	76.3-139		2.75	19.5	
trans-1,3-Dichloropropylene	9.99		"	10.0		99.9	72.5-137		6.49	19.3	
Trichloroethylene	10.9		"	10.0		109	77.9-130		2.97	20.5	
Trichlorofluoromethane	9.58		"	10.0		95.8	57.4-133		2.98	21.4	
Vinyl Chloride	8.08		"	10.0		80.8	54.9-124		1.62	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>8.47</i>		<i>"</i>	<i>10.0</i>		<i>84.7</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.76</i>		<i>"</i>	<i>10.0</i>		<i>97.6</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>				



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
Batch BE31308 - EPA 3010A											
Blank (BE31308-BLK1)											
								Prepared & Analyzed: 05/29/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BE31308-DUP1)											
*Source sample: 13E0881-01 (WQ052313:0910 NP2-10)								Prepared & Analyzed: 05/29/2013			
Iron - Dissolved	0.206	0.0200	mg/L		0.195				5.79	20	
Matrix Spike (BE31308-MS1)											
*Source sample: 13E0881-01 (WQ052313:0910 NP2-10)								Prepared & Analyzed: 05/29/2013			
Iron - Dissolved	1.24	0.0200	mg/L	1.00	0.195	104	75-125				
Reference (BE31308-SRM1)											
								Prepared & Analyzed: 05/29/2013			
Iron - Dissolved	0.448	0.0200	mg/L	0.462		97.0	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
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Batch BE31309 - EPA 3010A

Blank (BE31309-BLK1)

Prepared & Analyzed: 05/29/2013

Iron	ND	0.0200	mg/L
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Reference (BE31309-SRM1)

Prepared & Analyzed: 05/29/2013

Iron	0.444	0.0200	mg/L	0.462	96.1	87.9-114
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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
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BE31224 - % Solids Prep

Blank (BE31224-BLK1)

Prepared: 05/28/2013 Analyzed: 05/29/2013

Total Dissolved Solids ND 1.00 mg/L

Duplicate (BE31224-DUP1)

*Source sample: 13E0881-01 (WQ052313:0910 NP2-10)

Prepared: 05/28/2013 Analyzed: 05/29/2013

Total Dissolved Solids 128 1.00 mg/L 134 4.58 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13E0880-01	WQ052313:0900NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0880-02	WQ052313:0905NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0881-01	WQ052313:0910 NP2-10	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.



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

Field Chain-of-Custody Record

Page 7 of 7

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. 13E0880

[illegible]



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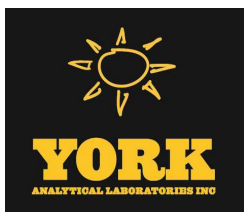
Field Chain-of-Custody Record

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York Project No. 13E0881

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.

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type																																																																																																																																																													
Company: <u>LBG</u> Address: <u>4 Research A, 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>		Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<u>Rowe Industries</u> Purchase Order No. <u>NAB5A6</u>		☐ RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day ☒ Standard (5-7 Days)		☒ Summary Report <u>pdf</u> ☒ Summary w/ QA Summary <u>pdf</u> ☐ CT RCP Package ☐ CTRCP DQA/DUE Pkg ☐ NY ASP A Package ☒ NY ASP B Package <u>pdf</u> ☐ NJDEP Red. Deliv. <u>Electronic Data Deliverables (EDD)</u> ☒ Simple Excel <u>X</u> ☐ NYSDEC EQuIS ☐ EQuIS (std) ☐ EZ-EDD (EQuIS) ☐ NJDEP SRP HazSite EDD ☐ GIS/KEY (std) ☐ Other _____ <u>York Regulatory Comparison</u> <u>Excel Spreadsheet</u> Compare to the following Regs. (please fill in):																																																																																																																																																													
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Choose Analyses Needed from the Menu Above and Enter Below																																																																																																																																																																							
Fe by EPA 200.7 / Dissolved by EPA 6910 (SW-846-6010B) / VOCs 8260 List (EPA SW-846-8260B) plus from 113 Fe by EPA 200.7 / Dissolved by EPA 6910 (SW-846-6010B) / VOCs 8260 List (EPA SW-846-8260B) plus from 113 / TDS (SW-846-8260B)																																																																																																																																																																							
Container Description(s) 3-40 ml vial 2-250 ml plastic container 3-40 ml vial 2-250 ml plastic container																																																																																																																																																																							
Temperature on Receipt 3.6 °C																																																																																																																																																																							



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 06/06/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13F0024

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 06/06/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13F0024

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 31, 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>
13F0024-01	WQ052913:1130NP2-6	Water	05/29/2013	05/31/2013
13F0024-02	WQ052913:1135NP2-7	Water	05/29/2013	05/31/2013
13F0026-01	WQ052913:1140NP2-10	Water	05/29/2013	05/31/2013

General Notes for York Project (SDG) No.: 13F0024

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 06/06/2013

YORK



Sample Information

Client Sample ID: WQ052913:1130NP2-6

York Sample ID: 13F0024-01

York Project (SDG) No.

13F0024

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

May 29, 2013 11:30 am

Date Received

05/31/2013

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	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
71-55-6	1,1,1-Trichloroethane	0.60		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
75-34-3	1,1-Dichloroethane	0.22	J	ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS



Sample Information

Client Sample ID: WQ052913:1130NP2-6

York Sample ID: 13F0024-01

York Project (SDG) No.
13F0024

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 11:30 am

Date Received
05/31/2013

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	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
127-18-4	Tetrachloroethylene	0.58		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:01	SS



Sample Information

Client Sample ID: WQ052913:1130NP2-6

York Sample ID: 13F0024-01

York Project (SDG) No.
13F0024

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 11:30 am

Date Received
05/31/2013

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
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	109 %			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	ND		mg/L	0.0100	0.0200	1	EPA SW846-6010B	06/05/2013 16:44	06/05/2013 19:23	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	1.09		mg/L	0.0100	0.0200	1	EPA 200.7	06/05/2013 16:47	06/05/2013 20:17	MW

Sample Information

Client Sample ID: WQ052913:1135NP2-7

York Sample ID: 13F0024-02

York Project (SDG) No.
13F0024

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 11:35 am

Date Received
05/31/2013

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	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS



Sample Information

Client Sample ID: WQ052913:1135NP2-7

York Sample ID: 13F0024-02

York Project (SDG) No.
13F0024

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 11:35 am

Date Received
05/31/2013

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	0.20	2.0	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS



Sample Information

Client Sample ID: WQ052913:1135NP2-7

York Sample ID: 13F0024-02

York Project (SDG) No.
13F0024

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 11:35 am

Date Received
05/31/2013

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	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	06/04/2013 08:55	06/05/2013 10:41	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	114 %	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	0.0359		mg/L	0.0100	0.0200	1	EPA SW846-6010B	06/05/2013 16:44	06/05/2013 19:28	MW



Sample Information

Client Sample ID: WQ052913:1135NP2-7

York Sample ID: 13F0024-02

York Project (SDG) No.
13F0024

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 11:35 am

Date Received
05/31/2013

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	2.28		mg/L	0.0100	0.0200	1	EPA 200.7	06/05/2013 16:47	06/05/2013 20:22	MW

Sample Information

Client Sample ID: WQ052913:1140NP2-10

York Sample ID: 13F0026-01

York Project (SDG) No.
13F0026

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 11:40 am

Date Received
05/31/2013

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	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS



Sample Information

Client Sample ID: WQ052913:1140NP2-10

York Sample ID: 13F0026-01

York Project (SDG) No.
13F0026

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 11:40 am

Date Received
05/31/2013

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	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS



Sample Information

Client Sample ID: WQ052913:1140NP2-10

York Sample ID: 13F0026-01

York Project (SDG) No.
13F0026

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 11:40 am

Date Received
05/31/2013

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	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 11:21	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	116 %		72.6-129							
460-00-4	Surrogate: p-Bromofluorobenzene	116 %		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	0.0273		mg/L	0.0100	0.0200	1	EPA SW846-6010B	06/05/2013 16:44	06/05/2013 19:33	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	7.06		mg/L	0.0100	0.0200	1	EPA 200.7	06/05/2013 16:47	06/05/2013 20:27	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	135		mg/L	1.00	1.00	1	SM 2540C	06/04/2013 14:49	06/05/2013 08:35	ALD



Analytical Batch Summary

Batch ID: BF30138 **Preparation Method:** % Solids Prep **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13F0026-01	WQ052913:1140NP2-10	06/04/13
BF30138-BLK1	Blank	06/04/13
BF30138-DUP1	Duplicate	06/04/13

Batch ID: BF30147 **Preparation Method:** EPA 5030B **Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13F0024-01	WQ052913:1130NP2-6	06/04/13
13F0024-02	WQ052913:1135NP2-7	06/04/13
13F0026-01	WQ052913:1140NP2-10	06/04/13
BF30147-BLK1	Blank	06/04/13
BF30147-BS1	LCS	06/04/13
BF30147-BSD1	LCS Dup	06/04/13

Batch ID: BF30211 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13F0024-01	WQ052913:1130NP2-6	06/05/13
13F0024-02	WQ052913:1135NP2-7	06/05/13
13F0026-01	WQ052913:1140NP2-10	06/05/13
BF30211-BLK1	Blank	06/05/13
BF30211-DUP1	Duplicate	06/05/13
BF30211-MS1	Matrix Spike	06/05/13
BF30211-SRM1	Reference	06/05/13

Batch ID: BF30212 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13F0024-01	WQ052913:1130NP2-6	06/05/13
13F0024-02	WQ052913:1135NP2-7	06/05/13
13F0026-01	WQ052913:1140NP2-10	06/05/13
BF30212-BLK1	Blank	06/05/13
BF30212-DUP1	Duplicate	06/05/13
BF30212-MS1	Matrix Spike	06/05/13
BF30212-SRM1	Reference	06/05/13



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 BF30147 - EPA 5030B

Blank (BF30147-BLK1)

Prepared: 06/04/2013 Analyzed: 06/05/2013

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	0.23	2.0	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	0.20	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	0.35	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 BF30147 - EPA 5030B

Blank (BF30147-BLK1)

Prepared: 06/04/2013 Analyzed: 06/05/2013

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>9.90</i>		<i>"</i>	<i>10.0</i>		<i>99.0</i>	<i>72.6-129</i>
<i>Surrogate: p-Bromofluorobenzene</i>	<i>11.5</i>		<i>"</i>	<i>10.0</i>		<i>115</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>

LCS (BF30147-BS1)

Prepared: 06/04/2013 Analyzed: 06/05/2013

1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82.3-130
1,1,1-Trichloroethane	9.50		"	10.0		95.0	75.6-137
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	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	10.7		"	10.0		107	74.5-129
1,1-Dichloroethane	8.99		"	10.0		89.9	79.6-132
1,1-Dichloroethylene	9.87		"	10.0		98.7	80.2-146
1,1-Dichloropropylene	8.84		"	10.0		88.4	75-136
1,2,3-Trichlorobenzene	9.95		"	10.0		99.5	66.1-136
1,2,3-Trichloropropane	10.1		"	10.0		101	63-131
1,2,4-Trichlorobenzene	9.85		"	10.0		98.5	70.6-136
1,2,4-Trimethylbenzene	9.95		"	10.0		99.5	75.3-135
1,2-Dibromo-3-chloropropane	8.46		"	10.0		84.6	58.9-140
1,2-Dibromoethane	10.2		"	10.0		102	79-130
1,2-Dichlorobenzene	9.49		"	10.0		94.9	76.1-122
1,2-Dichloroethane	9.62		"	10.0		96.2	74.6-132
1,2-Dichloropropane	11.1		"	10.0		111	76.9-129
1,3,5-Trimethylbenzene	10.3		"	10.0		103	70.6-127
1,3-Dichlorobenzene	9.51		"	10.0		95.1	77-124
1,3-Dichloropropane	10.6		"	10.0		106	75.8-126
1,4-Dichlorobenzene	9.19		"	10.0		91.9	76.6-125
2,2-Dichloropropane	7.03		"	10.0		70.3	69-133
2-Chlorotoluene	10.0		"	10.0		100	66.3-119
2-Hexanone	9.44		"	10.0		94.4	70-130
4-Chlorotoluene	10.3		"	10.0		103	69.2-127
Acetone	9.23		"	10.0		92.3	70-130
Benzene	9.62		"	10.0		96.2	76.2-129
Bromobenzene	10.1		"	10.0		101	71.3-123
Bromochloromethane	10.5		"	10.0		105	70.8-137
Bromodichloromethane	11.2		"	10.0		112	79.7-134
Bromoform	10.8		"	10.0		108	70.5-141
Bromomethane	9.11		"	10.0		91.1	43.9-147
Carbon tetrachloride	9.37		"	10.0		93.7	78.1-138
Chlorobenzene	9.71		"	10.0		97.1	80.4-125



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF30147 - EPA 5030B

LCS (BF30147-BS1)

Prepared: 06/04/2013 Analyzed: 06/05/2013

Chloroethane	9.37		ug/L	10.0		93.7	55.8-140				
Chloroform	9.48		"	10.0		94.8	76.6-133				
Chloromethane	7.56		"	10.0		75.6	48.8-115				
cis-1,2-Dichloroethylene	8.72		"	10.0		87.2	75.1-128				
cis-1,3-Dichloropropylene	11.0		"	10.0		110	74.5-128				
Dibromochloromethane	11.1		"	10.0		111	79.8-134				
Dibromomethane	10.6		"	10.0		106	79-130				
Dichlorodifluoromethane	4.64		"	10.0		46.4	47.1-101	Low Bias			
Ethyl Benzene	10.7		"	10.0		107	80.8-128				
Hexachlorobutadiene	9.99		"	10.0		99.9	64.8-128				
Isopropylbenzene	10.2		"	10.0		102	75.5-135				
Methyl tert-butyl ether (MTBE)	8.56		"	10.0		85.6	65.1-140				
Methylene chloride	8.52		"	10.0		85.2	61.3-120				
Naphthalene	10.4		"	10.0		104	62.3-148				
n-Butylbenzene	10.5		"	10.0		105	67.2-123				
n-Propylbenzene	10.4		"	10.0		104	70.5-127				
o-Xylene	10.6		"	10.0		106	75.9-122				
p- & m- Xylenes	22.8		"	20.0		114	77.7-127				
p-Isopropyltoluene	10.2		"	10.0		102	75.6-129				
sec-Butylbenzene	10.5		"	10.0		105	71.5-125				
Styrene	10.7		"	10.0		107	77.8-123				
tert-Butylbenzene	10.1		"	10.0		101	75.9-151				
Tetrachloroethylene	9.61		"	10.0		96.1	63.6-167				
Toluene	10.4		"	10.0		104	77-123				
trans-1,2-Dichloroethylene	7.65		"	10.0		76.5	76.3-139				
trans-1,3-Dichloropropylene	11.0		"	10.0		110	72.5-137				
Trichloroethylene	9.94		"	10.0		99.4	77.9-130				
Trichlorofluoromethane	9.52		"	10.0		95.2	57.4-133				
Vinyl Chloride	7.96		"	10.0		79.6	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	9.64		"	10.0		96.4	72.6-129				
Surrogate: p-Bromofluorobenzene	9.72		"	10.0		97.2	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
Batch BF30147 - EPA 5030B											
LCS Dup (BF30147-BSD1)						Prepared: 06/04/2013 Analyzed: 06/05/2013					
1,1,1,2-Tetrachloroethane	9.56		ug/L	10.0		95.6	82.3-130		7.45	21.1	
1,1,1-Trichloroethane	9.47		"	10.0		94.7	75.6-137		0.316	19.7	
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	71.3-131		6.20	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	71.1-129		0.592	21.7	
1,1,2-Trichloroethane	9.99		"	10.0		99.9	74.5-129		6.96	20.3	
1,1-Dichloroethane	9.03		"	10.0		90.3	79.6-132		0.444	20.6	
1,1-Dichloroethylene	10.2		"	10.0		102	80.2-146		3.09	20	
1,1-Dichloropropylene	9.00		"	10.0		90.0	75-136		1.79	19.3	
1,2,3-Trichlorobenzene	8.65		"	10.0		86.5	66.1-136		14.0	21.6	
1,2,3-Trichloropropane	8.88		"	10.0		88.8	63-131		13.0	23.9	
1,2,4-Trichlorobenzene	8.86		"	10.0		88.6	70.6-136		10.6	21.7	
1,2,4-Trimethylbenzene	9.75		"	10.0		97.5	75.3-135		2.03	18.8	
1,2-Dibromo-3-chloropropane	6.96		"	10.0		69.6	58.9-140		19.5	27.7	
1,2-Dibromoethane	9.43		"	10.0		94.3	79-130		7.75	23	
1,2-Dichlorobenzene	9.08		"	10.0		90.8	76.1-122		4.42	19.8	
1,2-Dichloroethane	9.62		"	10.0		96.2	74.6-132		0.00	20.2	
1,2-Dichloropropane	10.3		"	10.0		103	76.9-129		7.09	20.7	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	70.6-127		1.08	18.9	
1,3-Dichlorobenzene	8.89		"	10.0		88.9	77-124		6.74	19.2	
1,3-Dichloropropane	10.0		"	10.0		100	75.8-126		5.15	22.1	
1,4-Dichlorobenzene	8.98		"	10.0		89.8	76.6-125		2.31	18.6	
2,2-Dichloropropane	11.0		"	10.0		110	69-133		44.2	19.8	Non-dir.
2-Chlorotoluene	9.81		"	10.0		98.1	66.3-119		2.02	21.6	
2-Hexanone	8.23		"	10.0		82.3	70-130		13.7	30	
4-Chlorotoluene	10.1		"	10.0		101	69.2-127		2.06	19	
Acetone	7.79		"	10.0		77.9	70-130		16.9	30	
Benzene	9.58		"	10.0		95.8	76.2-129		0.417	19	
Bromobenzene	9.56		"	10.0		95.6	71.3-123		5.89	20.3	
Bromochloromethane	11.5		"	10.0		115	70.8-137		9.03	23.9	
Bromodichloromethane	10.9		"	10.0		109	79.7-134		2.89	21	
Bromoform	9.87		"	10.0		98.7	70.5-141		9.00	21.8	
Bromomethane	8.43		"	10.0		84.3	43.9-147		7.75	28.4	
Carbon tetrachloride	9.15		"	10.0		91.5	78.1-138		2.38	20.1	
Chlorobenzene	9.17		"	10.0		91.7	80.4-125		5.72	19.9	
Chloroethane	9.67		"	10.0		96.7	55.8-140		3.15	23.3	
Chloroform	9.57		"	10.0		95.7	76.6-133		0.945	20.3	
Chloromethane	9.08		"	10.0		90.8	48.8-115		18.3	24.5	
cis-1,2-Dichloroethylene	9.18		"	10.0		91.8	75.1-128		5.14	20.5	
cis-1,3-Dichloropropylene	11.1		"	10.0		111	74.5-128		0.998	19.9	
Dibromochloromethane	9.60		"	10.0		96.0	79.8-134		14.1	21.3	
Dibromomethane	10.3		"	10.0		103	79-130		3.63	22.4	
Dichlorodifluoromethane	8.51		"	10.0		85.1	47.1-101		58.9	23.9	Non-dir.
Ethyl Benzene	10.4		"	10.0		104	80.8-128		2.74	19.2	
Hexachlorobutadiene	9.19		"	10.0		91.9	64.8-128		8.34	20.6	
Isopropylbenzene	9.79		"	10.0		97.9	75.5-135		4.20	20	
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	65.1-140		27.3	23.6	Non-dir.
Methylene chloride	8.86		"	10.0		88.6	61.3-120		3.91	20.4	
Naphthalene	8.81		"	10.0		88.1	62.3-148		16.7	27.1	
n-Butylbenzene	10.6		"	10.0		106	67.2-123		1.23	19.1	
n-Propylbenzene	10.3		"	10.0		103	70.5-127		1.64	23.4	
o-Xylene	10.2		"	10.0		102	75.9-122		4.03	19.3	



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

York Analytical Laboratories, Inc.

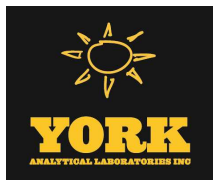
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF30147 - EPA 5030B

LCS Dup (BF30147-BSD1)

Prepared: 06/04/2013 Analyzed: 06/05/2013

p- & m- Xylenes	22.3		ug/L	20.0		111	77.7-127		2.44	18.6	
p-Isopropyltoluene	10.0		"	10.0		100	75.6-129		2.18	19.1	
sec-Butylbenzene	10.2		"	10.0		102	71.5-125		2.70	18.9	
Styrene	10.3		"	10.0		103	77.8-123		3.72	20.9	
tert-Butylbenzene	9.71		"	10.0		97.1	75.9-151		4.33	20.9	
Tetrachloroethylene	9.24		"	10.0		92.4	63.6-167		3.93	27.7	
Toluene	10.1		"	10.0		101	77-123		3.11	18.7	
trans-1,2-Dichloroethylene	10.7		"	10.0		107	76.3-139		33.2	19.5	Non-dir.
trans-1,3-Dichloropropylene	10.8		"	10.0		108	72.5-137		1.92	19.3	
Trichloroethylene	9.47		"	10.0		94.7	77.9-130		4.84	20.5	
Trichlorofluoromethane	9.60		"	10.0		96.0	57.4-133		0.837	21.4	
Vinyl Chloride	9.14		"	10.0		91.4	54.9-124		13.8	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>9.61</i>		<i>"</i>	<i>10.0</i>		<i>96.1</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
Batch BF30211 - EPA 3010A											
Blank (BF30211-BLK1)								Prepared & Analyzed: 06/05/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BF30211-DUP1)								*Source sample: 13F0026-01 (WQ052913:1140NP2-10) Prepared & Analyzed: 06/05/2013			
Iron - Dissolved	0.0299	0.0200	mg/L		0.0273				9.11	20	
Matrix Spike (BF30211-MS1)								*Source sample: 13F0026-01 (WQ052913:1140NP2-10) Prepared & Analyzed: 06/05/2013			
Iron - Dissolved	1.07	0.0200	mg/L	1.00	0.0273	104	75-125				
Reference (BF30211-SRM1)								Prepared & Analyzed: 06/05/2013			
Iron - Dissolved	1.35	0.0200	mg/L	1.39		97.2	88.4-113				



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
Batch BF30212 - EPA 3010A											
Blank (BF30212-BLK1)								Prepared & Analyzed: 06/05/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BF30212-DUP1)								*Source sample: 13F0026-01 (WQ052913:1140NP2-10) Prepared & Analyzed: 06/05/2013			
Iron	6.99	0.0200	mg/L		7.06				1.03	20	
Matrix Spike (BF30212-MS1)								*Source sample: 13F0026-01 (WQ052913:1140NP2-10) Prepared & Analyzed: 06/05/2013			
Iron	7.96	0.0200	mg/L	1.00	7.06	89.8	75-125				
Reference (BF30212-SRM1)								Prepared & Analyzed: 06/05/2013			
Iron	1.34	0.0200	mg/L	1.39		96.4	88.4-113				



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 BF30138 - % Solids Prep

Blank (BF30138-BLK1)

Prepared: 06/04/2013 Analyzed: 06/05/2013

Total Dissolved Solids ND 1.00 mg/L

Duplicate (BF30138-DUP1)

*Source sample: 13F0026-01 (WQ052913:1140NP2-10)

Prepared: 06/04/2013 Analyzed: 06/05/2013

Total Dissolved Solids 135 1.00 mg/L 135 0.00 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13F0024-01	WQ052913:1130NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13F0024-02	WQ052913:1135NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13F0026-01	WQ052913:1140NP2-10	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.

120 RESEARCH DR. STRATFORD, CT 06615
12031 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. signature binds you to York's Std. Terms & Conditions

Page 1 of 1

York Project No. 13 Feb 24

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ANALYTICAL LABORATORIES, INC.

1120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

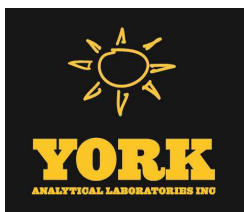
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York Project No. / 3F0026

Page 1 of 1

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type	
Company: <u>LBG</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>
Address: <u>4 Research Dr. Suite 301</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>
Phone No. <u>203-929-8555</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>
Contact Person: <u>Tunde Sandor</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>
E-Mail Address: <u>TSandor@LBGCT.com</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.											
Samples Collected/Authorized By (Signature) <u>STEPHEN HNAF</u> Name (printed)											
Sample Identification		Date Sampled		Sample Matrix		Choose Analyses Needed from the Menu Above and Enter Below		Container Description(s)		Temperature on Receipt	
<u>WQ052913-1130NP2-6</u>		<u>5/29/13 1130</u>		<u>GW</u>		<u>Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SW 846-6010B) / VOCs, P260 List (EPA SW 845-8260B) plus from 113</u>		<u>3V 2P</u>		<u>4.6 °C</u>	
<u>WQ052913-1135NP2-7</u>		<u>5/29/13 1135</u>		<u>GW</u>		<u>Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SW 846-6010B) / VOCs, P260 List (EPA SW 845-8260B) plus from 113</u>		<u>3V 2P</u>		<u>4.6 °C</u>	
<u>WQ052913-1140NP2-10</u>		<u>5/29/13 1140</u>		<u>GW</u>		<u>Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SW 846-6010B) / VOCs, P260 List (EPA SW 845-8260B) plus from 113</u>		<u>3V 3P</u>		<u>4.6 °C</u>	
Comments											

APPENDIX II
MAY 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: 06/06/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13F0028

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 06/06/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13F0028

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 31, 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>
13F0028-01	GWQ052913:1000NP1-1-2	Water	05/29/2013	05/31/2013
13F0028-02	GWQ052913:1010NP1-1-4	Water	05/29/2013	05/31/2013
13F0028-03	GWQ052913:1020NP1-1-6	Water	05/29/2013	05/31/2013
13F0028-04	GWQ052913:1030NP1-1-7	Water	05/29/2013	05/31/2013

General Notes for York Project (SDG) No.: 13F0028

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 06/06/2013

YORK



Sample Information

Client Sample ID: GWQ052913:1000NP1-1-2

York Sample ID: 13F0028-01

York Project (SDG) No.

13F0028

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

May 29, 2013 10:00 am

Date Received

05/31/2013

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	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
71-55-6	1,1,1-Trichloroethane	0.21	J	ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS



Sample Information

Client Sample ID: GWQ052913:1000NP1-1-2

York Sample ID: 13F0028-01

York Project (SDG) No.
13F0028

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 10:00 am

Date Received
05/31/2013

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	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
156-59-2	cis-1,2-Dichloroethylene	0.37	J	ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
127-18-4	Tetrachloroethylene	0.59		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
79-01-6	Trichloroethylene	0.41	J	ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:00	SS



Sample Information

Client Sample ID: GWQ052913:1000NP1-1-2

York Sample ID: 13F0028-01

York Project (SDG) No.
13F0028

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 10:00 am

Date Received
05/31/2013

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
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	111 %			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: GWQ052913:1010NP1-1-4

York Sample ID: 13F0028-02

York Project (SDG) No.
13F0028

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 10:10 am

Date Received
05/31/2013

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	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
71-55-6	1,1,1-Trichloroethane	2.3		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
75-34-3	1,1-Dichloroethane	0.63		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS



Sample Information

Client Sample ID: GWQ052913:1010NP1-1-4

York Sample ID: 13F0028-02

York Project (SDG) No.
13F0028

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 10:10 am

Date Received
05/31/2013

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	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
67-66-3	Chloroform	0.21	J	ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS



Sample Information

Client Sample ID: GWQ052913:1010NP1-1-4

York Sample ID: 13F0028-02

York Project (SDG) No.
13F0028

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 10:10 am

Date Received
05/31/2013

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	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
127-18-4	Tetrachloroethylene	0.69		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 12:41	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %		72.6-129							
460-00-4	Surrogate: p-Bromofluorobenzene	109 %		63.5-145							
2037-26-5	Surrogate: Toluene-d8	104 %		81.2-127							

Sample Information

Client Sample ID: GWQ052913:1020NP1-1-6

York Sample ID: 13F0028-03

York Project (SDG) No.
13F0028

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 10:20 am

Date Received
05/31/2013

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	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
71-55-6	1,1,1-Trichloroethane	0.51		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
75-34-3	1,1-Dichloroethane	0.37	J	ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS



Sample Information

Client Sample ID: GWQ052913:1020NP1-1-6

York Sample ID: 13F0028-03

York Project (SDG) No.
13F0028

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 10:20 am

Date Received
05/31/2013

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	0.20	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
67-66-3	Chloroform	0.24	J	ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS



Sample Information

Client Sample ID: GWQ052913:1020NP1-1-6

York Sample ID: 13F0028-03

York Project (SDG) No.
13F0028

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 29, 2013 10:20 am

Date Received
05/31/2013

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	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
127-18-4	Tetrachloroethylene	1.9		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 13:22	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	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: GWQ052913:1030NP1-1-7

York Sample ID: 13F0028-04

York Project (SDG) No.
13F0028

Client Project ID
Rowe Industries

Matrix
Water

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

Date Received
05/31/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GWQ052913:1030NP1-1-7

York Sample ID: 13F0028-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13F0028

Rowe Industries

Water

May 29, 2013 10:30 am

05/31/2013

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	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS



Sample Information

Client Sample ID: GWQ052913:1030NP1-1-7

York Sample ID: 13F0028-04

York Project (SDG) No.
13F0028

Client Project ID
Rowe Industries

Matrix
Water

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

Date Received
05/31/2013

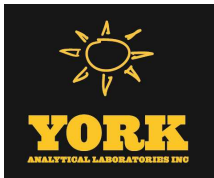
Volatile Organics, 8260 List - Low Level

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	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
127-18-4	Tetrachloroethylene	0.53		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	06/04/2013 09:02	06/05/2013 14:03	SS
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: GWQ052913:1030NP1-1-7

York Sample ID: 13F0028-04

York Project (SDG) No.
13F0028

Client Project ID
Rowe Industries

Matrix
Water

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

Date Received
05/31/2013

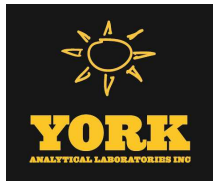
Volatile Organics, 8260 List - Low Level

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	111 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	109 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	104 %			81.2-127						



Analytical Batch Summary

Batch ID: BF30147

Preparation Method: EPA 5030B

Prepared By: KH

YORK Sample ID	Client Sample ID	Preparation Date
13F0028-01	GWQ052913:1000NP1-1-2	06/04/13
13F0028-02	GWQ052913:1010NP1-1-4	06/04/13
13F0028-03	GWQ052913:1020NP1-1-6	06/04/13
13F0028-04	GWQ052913:1030NP1-1-7	06/04/13
BF30147-BLK1	Blank	06/04/13
BF30147-BS1	LCS	06/04/13
BF30147-BSD1	LCS Dup	06/04/13
BF30147-MS1	Matrix Spike	06/04/13



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 BF30147 - EPA 5030B

Blank (BF30147-BLK1)

Prepared: 06/04/2013 Analyzed: 06/05/2013

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	0.23	2.0	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	0.20	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	0.35	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 BF30147 - EPA 5030B

Blank (BF30147-BLK1)

Prepared: 06/04/2013 Analyzed: 06/05/2013

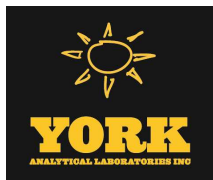
p- & m- Xylenes	ND	1.0	ug/L
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane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

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.90</i>		<i>"</i>	<i>10.0</i>		<i>99.0</i>	<i>72.6-129</i>
<i>Surrogate: p-Bromofluorobenzene</i>	<i>11.5</i>		<i>"</i>	<i>10.0</i>		<i>115</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>

LCS (BF30147-BS1)

Prepared: 06/04/2013 Analyzed: 06/05/2013

1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82.3-130
1,1,1-Trichloroethane	9.50		"	10.0		95.0	75.6-137
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	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	10.7		"	10.0		107	74.5-129
1,1-Dichloroethane	8.99		"	10.0		89.9	79.6-132
1,1-Dichloroethylene	9.87		"	10.0		98.7	80.2-146
1,1-Dichloropropylene	8.84		"	10.0		88.4	75-136
1,2,3-Trichlorobenzene	9.95		"	10.0		99.5	66.1-136
1,2,3-Trichloropropane	10.1		"	10.0		101	63-131
1,2,4-Trichlorobenzene	9.85		"	10.0		98.5	70.6-136
1,2,4-Trimethylbenzene	9.95		"	10.0		99.5	75.3-135
1,2-Dibromo-3-chloropropane	8.46		"	10.0		84.6	58.9-140
1,2-Dibromoethane	10.2		"	10.0		102	79-130
1,2-Dichlorobenzene	9.49		"	10.0		94.9	76.1-122
1,2-Dichloroethane	9.62		"	10.0		96.2	74.6-132
1,2-Dichloropropane	11.1		"	10.0		111	76.9-129
1,3,5-Trimethylbenzene	10.3		"	10.0		103	70.6-127
1,3-Dichlorobenzene	9.51		"	10.0		95.1	77-124
1,3-Dichloropropane	10.6		"	10.0		106	75.8-126
1,4-Dichlorobenzene	9.19		"	10.0		91.9	76.6-125
2,2-Dichloropropane	7.03		"	10.0		70.3	69-133
2-Chlorotoluene	10.0		"	10.0		100	66.3-119
2-Hexanone	9.44		"	10.0		94.4	70-130
4-Chlorotoluene	10.3		"	10.0		103	69.2-127
Acetone	9.23		"	10.0		92.3	70-130
Benzene	9.62		"	10.0		96.2	76.2-129
Bromobenzene	10.1		"	10.0		101	71.3-123
Bromochloromethane	10.5		"	10.0		105	70.8-137
Bromodichloromethane	11.2		"	10.0		112	79.7-134
Bromoform	10.8		"	10.0		108	70.5-141
Bromomethane	9.11		"	10.0		91.1	43.9-147
Carbon tetrachloride	9.37		"	10.0		93.7	78.1-138
Chlorobenzene	9.71		"	10.0		97.1	80.4-125



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF30147 - EPA 5030B

LCS (BF30147-BS1)

Prepared: 06/04/2013 Analyzed: 06/05/2013

Chloroethane	9.37		ug/L	10.0		93.7	55.8-140				
Chloroform	9.48		"	10.0		94.8	76.6-133				
Chloromethane	7.56		"	10.0		75.6	48.8-115				
cis-1,2-Dichloroethylene	8.72		"	10.0		87.2	75.1-128				
cis-1,3-Dichloropropylene	11.0		"	10.0		110	74.5-128				
Dibromochloromethane	11.1		"	10.0		111	79.8-134				
Dibromomethane	10.6		"	10.0		106	79-130				
Dichlorodifluoromethane	4.64		"	10.0		46.4	47.1-101	Low Bias			
Ethyl Benzene	10.7		"	10.0		107	80.8-128				
Hexachlorobutadiene	9.99		"	10.0		99.9	64.8-128				
Isopropylbenzene	10.2		"	10.0		102	75.5-135				
Methyl tert-butyl ether (MTBE)	8.56		"	10.0		85.6	65.1-140				
Methylene chloride	8.52		"	10.0		85.2	61.3-120				
Naphthalene	10.4		"	10.0		104	62.3-148				
n-Butylbenzene	10.5		"	10.0		105	67.2-123				
n-Propylbenzene	10.4		"	10.0		104	70.5-127				
o-Xylene	10.6		"	10.0		106	75.9-122				
p- & m- Xylenes	22.8		"	20.0		114	77.7-127				
p-Isopropyltoluene	10.2		"	10.0		102	75.6-129				
sec-Butylbenzene	10.5		"	10.0		105	71.5-125				
Styrene	10.7		"	10.0		107	77.8-123				
tert-Butylbenzene	10.1		"	10.0		101	75.9-151				
Tetrachloroethylene	9.61		"	10.0		96.1	63.6-167				
Toluene	10.4		"	10.0		104	77-123				
trans-1,2-Dichloroethylene	7.65		"	10.0		76.5	76.3-139				
trans-1,3-Dichloropropylene	11.0		"	10.0		110	72.5-137				
Trichloroethylene	9.94		"	10.0		99.4	77.9-130				
Trichlorofluoromethane	9.52		"	10.0		95.2	57.4-133				
Vinyl Chloride	7.96		"	10.0		79.6	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	9.64		"	10.0		96.4	72.6-129				
Surrogate: p-Bromofluorobenzene	9.72		"	10.0		97.2	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
Batch BF30147 - EPA 5030B											
LCS Dup (BF30147-BSD1)						Prepared: 06/04/2013 Analyzed: 06/05/2013					
1,1,1,2-Tetrachloroethane	9.56		ug/L	10.0		95.6	82.3-130		7.45	21.1	
1,1,1-Trichloroethane	9.47		"	10.0		94.7	75.6-137		0.316	19.7	
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	71.3-131		6.20	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	71.1-129		0.592	21.7	
1,1,2-Trichloroethane	9.99		"	10.0		99.9	74.5-129		6.96	20.3	
1,1-Dichloroethane	9.03		"	10.0		90.3	79.6-132		0.444	20.6	
1,1-Dichloroethylene	10.2		"	10.0		102	80.2-146		3.09	20	
1,1-Dichloropropylene	9.00		"	10.0		90.0	75-136		1.79	19.3	
1,2,3-Trichlorobenzene	8.65		"	10.0		86.5	66.1-136		14.0	21.6	
1,2,3-Trichloropropane	8.88		"	10.0		88.8	63-131		13.0	23.9	
1,2,4-Trichlorobenzene	8.86		"	10.0		88.6	70.6-136		10.6	21.7	
1,2,4-Trimethylbenzene	9.75		"	10.0		97.5	75.3-135		2.03	18.8	
1,2-Dibromo-3-chloropropane	6.96		"	10.0		69.6	58.9-140		19.5	27.7	
1,2-Dibromoethane	9.43		"	10.0		94.3	79-130		7.75	23	
1,2-Dichlorobenzene	9.08		"	10.0		90.8	76.1-122		4.42	19.8	
1,2-Dichloroethane	9.62		"	10.0		96.2	74.6-132		0.00	20.2	
1,2-Dichloropropane	10.3		"	10.0		103	76.9-129		7.09	20.7	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	70.6-127		1.08	18.9	
1,3-Dichlorobenzene	8.89		"	10.0		88.9	77-124		6.74	19.2	
1,3-Dichloropropane	10.0		"	10.0		100	75.8-126		5.15	22.1	
1,4-Dichlorobenzene	8.98		"	10.0		89.8	76.6-125		2.31	18.6	
2,2-Dichloropropane	11.0		"	10.0		110	69-133		44.2	19.8	Non-dir.
2-Chlorotoluene	9.81		"	10.0		98.1	66.3-119		2.02	21.6	
2-Hexanone	8.23		"	10.0		82.3	70-130		13.7	30	
4-Chlorotoluene	10.1		"	10.0		101	69.2-127		2.06	19	
Acetone	7.79		"	10.0		77.9	70-130		16.9	30	
Benzene	9.58		"	10.0		95.8	76.2-129		0.417	19	
Bromobenzene	9.56		"	10.0		95.6	71.3-123		5.89	20.3	
Bromochloromethane	11.5		"	10.0		115	70.8-137		9.03	23.9	
Bromodichloromethane	10.9		"	10.0		109	79.7-134		2.89	21	
Bromoform	9.87		"	10.0		98.7	70.5-141		9.00	21.8	
Bromomethane	8.43		"	10.0		84.3	43.9-147		7.75	28.4	
Carbon tetrachloride	9.15		"	10.0		91.5	78.1-138		2.38	20.1	
Chlorobenzene	9.17		"	10.0		91.7	80.4-125		5.72	19.9	
Chloroethane	9.67		"	10.0		96.7	55.8-140		3.15	23.3	
Chloroform	9.57		"	10.0		95.7	76.6-133		0.945	20.3	
Chloromethane	9.08		"	10.0		90.8	48.8-115		18.3	24.5	
cis-1,2-Dichloroethylene	9.18		"	10.0		91.8	75.1-128		5.14	20.5	
cis-1,3-Dichloropropylene	11.1		"	10.0		111	74.5-128		0.998	19.9	
Dibromochloromethane	9.60		"	10.0		96.0	79.8-134		14.1	21.3	
Dibromomethane	10.3		"	10.0		103	79-130		3.63	22.4	
Dichlorodifluoromethane	8.51		"	10.0		85.1	47.1-101		58.9	23.9	Non-dir.
Ethyl Benzene	10.4		"	10.0		104	80.8-128		2.74	19.2	
Hexachlorobutadiene	9.19		"	10.0		91.9	64.8-128		8.34	20.6	
Isopropylbenzene	9.79		"	10.0		97.9	75.5-135		4.20	20	
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	65.1-140		27.3	23.6	Non-dir.
Methylene chloride	8.86		"	10.0		88.6	61.3-120		3.91	20.4	
Naphthalene	8.81		"	10.0		88.1	62.3-148		16.7	27.1	
n-Butylbenzene	10.6		"	10.0		106	67.2-123		1.23	19.1	
n-Propylbenzene	10.3		"	10.0		103	70.5-127		1.64	23.4	
o-Xylene	10.2		"	10.0		102	75.9-122		4.03	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 BF30147 - EPA 5030B

LCS Dup (BF30147-BSD1)

Prepared: 06/04/2013 Analyzed: 06/05/2013

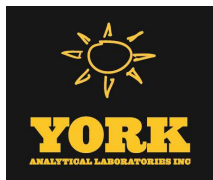
p- & m- Xylenes	22.3		ug/L	20.0		111	77.7-127		2.44	18.6	
p-Isopropyltoluene	10.0		"	10.0		100	75.6-129		2.18	19.1	
sec-Butylbenzene	10.2		"	10.0		102	71.5-125		2.70	18.9	
Styrene	10.3		"	10.0		103	77.8-123		3.72	20.9	
tert-Butylbenzene	9.71		"	10.0		97.1	75.9-151		4.33	20.9	
Tetrachloroethylene	9.24		"	10.0		92.4	63.6-167		3.93	27.7	
Toluene	10.1		"	10.0		101	77-123		3.11	18.7	
trans-1,2-Dichloroethylene	10.7		"	10.0		107	76.3-139		33.2	19.5	Non-dir.
trans-1,3-Dichloropropylene	10.8		"	10.0		108	72.5-137		1.92	19.3	
Trichloroethylene	9.47		"	10.0		94.7	77.9-130		4.84	20.5	
Trichlorofluoromethane	9.60		"	10.0		96.0	57.4-133		0.837	21.4	
Vinyl Chloride	9.14		"	10.0		91.4	54.9-124		13.8	22.3	
Surrogate: 1,2-Dichloroethane-d4	10.0		"	10.0		100	72.6-129				
Surrogate: p-Bromofluorobenzene	9.61		"	10.0		96.1	63.5-145				
Surrogate: Toluene-d8	10.3		"	10.0		103	81.2-127				

Matrix Spike (BF30147-MS1)

*Source sample: 13F0028-01 (GWQ052913:1000NP1-1-2)

Prepared: 06/04/2013 Analyzed: 06/05/2013

1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0	ND	104	82-138				
1,1,1-Trichloroethane	10.1		"	10.0	0.210	98.7	85.7-133				
1,1,2,2-Tetrachloroethane	10.8		"	10.0	ND	108	78.6-136				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0	ND	102	74.8-131				
1,1,2-Trichloroethane	11.0		"	10.0	ND	110	82.5-129				
1,1-Dichloroethane	12.5		"	10.0	ND	125	81.4-137				
1,1-Dichloroethylene	10.5		"	10.0	ND	105	90-138				
1,1-Dichloropropylene	9.56		"	10.0	ND	95.6	91.7-131				
1,2,3-Trichlorobenzene	8.74		"	10.0	ND	87.4	75.9-130				
1,2,3-Trichloropropane	9.88		"	10.0	ND	98.8	77.1-140				
1,2,4-Trichlorobenzene	9.18		"	10.0	ND	91.8	69.8-135				
1,2,4-Trimethylbenzene	9.60		"	10.0	ND	96.0	79.4-131				
1,2-Dibromo-3-chloropropane	7.63		"	10.0	ND	76.3	66.6-143				
1,2-Dibromoethane	10.5		"	10.0	ND	105	79.8-136				
1,2-Dichlorobenzene	9.35		"	10.0	ND	93.5	79.9-130				
1,2-Dichloroethane	11.0		"	10.0	ND	110	85-133				
1,2-Dichloropropane	11.4		"	10.0	ND	114	81.1-132				
1,3,5-Trimethylbenzene	10.1		"	10.0	ND	101	76.1-121				
1,3-Dichlorobenzene	9.08		"	10.0	ND	90.8	79.1-124				
1,3-Dichloropropane	11.0		"	10.0	ND	110	83.3-130				
1,4-Dichlorobenzene	9.15		"	10.0	ND	91.5	79.4-128				
2,2-Dichloropropane	10.5		"	10.0	ND	105	54.2-126				
2-Chlorotoluene	10.0		"	10.0	ND	100	60.2-144				
2-Hexanone	9.32		"	10.0	ND	93.2	70-130				
4-Chlorotoluene	10.4		"	10.0	ND	104	79.8-128				
Acetone	8.71		"	10.0	0.740	79.7	70-130				
Benzene	10.5		"	10.0	ND	105	74.1-134				
Bromobenzene	10.1		"	10.0	ND	101	76.6-125				
Bromochloromethane	12.5		"	10.0	ND	125	85-133				
Bromodichloromethane	11.5		"	10.0	ND	115	80.8-143				
Bromoform	10.6		"	10.0	ND	106	65.8-164				
Bromomethane	8.47		"	10.0	0.150	83.2	68.7-112				
Carbon tetrachloride	9.75		"	10.0	ND	97.5	85.7-138				
Chlorobenzene	9.79		"	10.0	ND	97.9	79.9-129				
Chloroethane	9.69		"	10.0	ND	96.9	74.7-127				



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 BF30147 - EPA 5030B

Matrix Spike (BF30147-MS1)		*Source sample: 13F0028-01 (GWQ052913:1000NP1-1-2)					Prepared: 06/04/2013 Analyzed: 06/05/2013				
Chloroform	10.0		ug/L	10.0	ND	100	50.6-145				
Chloromethane	9.04		"	10.0	ND	90.4	64-111				
cis-1,2-Dichloroethylene	9.92		"	10.0	0.370	95.5	75.5-129				
cis-1,3-Dichloropropylene	11.7		"	10.0	ND	117	74.3-128				
Dibromochloromethane	10.8		"	10.0	ND	108	76.8-150				
Dibromomethane	10.9		"	10.0	ND	109	83.3-140				
Dichlorodifluoromethane	8.48		"	10.0	ND	84.8	51-100				
Ethyl Benzene	11.1		"	10.0	ND	111	82.9-127				
Hexachlorobutadiene	9.69		"	10.0	ND	96.9	73-128				
Isopropylbenzene	10.0		"	10.0	ND	100	78.7-131				
Methyl tert-butyl ether (MTBE)	11.5		"	10.0	ND	115	81.2-134				
Methylene chloride	9.27		"	10.0	ND	92.7	57.8-103				
Naphthalene	8.94		"	10.0	ND	89.4	80.1-122				
n-Butylbenzene	10.9		"	10.0	ND	109	72.4-120				
n-Propylbenzene	10.5		"	10.0	ND	105	74-130				
o-Xylene	10.9		"	10.0	ND	109	78.8-122				
p- & m- Xylenes	23.8		"	20.0	ND	119	82.5-123				
p-Isopropyltoluene	10.0		"	10.0	ND	100	64.9-132				
sec-Butylbenzene	10.3		"	10.0	ND	103	25.4-151				
Styrene	11.0		"	10.0	ND	110	74.1-134				
tert-Butylbenzene	9.78		"	10.0	ND	97.8	79.5-171				
Tetrachloroethylene	10.4		"	10.0	0.590	98.4	72.5-130				
Toluene	10.6		"	10.0	ND	106	77.8-121				
trans-1,2-Dichloroethylene	10.8		"	10.0	ND	108	83.8-140				
trans-1,3-Dichloropropylene	11.9		"	10.0	ND	119	74.9-136				
Trichloroethylene	10.4		"	10.0	0.410	100	84.4-125				
Trichlorofluoromethane	9.47		"	10.0	ND	94.7	78.7-127				
Vinyl Chloride	9.32		"	10.0	ND	93.2	72.1-116				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.9</i>		<i>"</i>	<i>10.0</i>		<i>109</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.56</i>		<i>"</i>	<i>10.0</i>		<i>95.6</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 Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13F0028-01	GWQ052913:1000NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13F0028-02	GWQ052913:1010NP1-1-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13F0028-03	GWQ052913:1020NP1-1-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13F0028-04	GWQ052913:1030NP1-1-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
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.

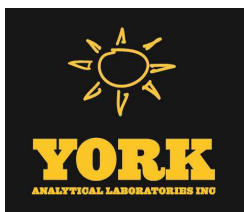
Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.

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. 13F0028

Client Information		Report to:		Invoice To:		Client Project ID		Turn-Around Time		Report Type/Deliverables																																														
Company:	LBG	SAME	Name:	SAME	Name:	Rowe Industries	Purchase Order no.	RUSH Same Day	Summary	x, pdf																																														
Address:	4 Research Drive, Suite 301, Shelton CT, 06484	Tunde Sandor	Mark Goldberg	Same	Same			RUSH Next Day	QA/QC Summary	x, pdf																																														
Phone no.:	203-929-8555	Same	Company:	Address:	Address:			RUSH Two Day	CT RCP Pkg																																															
Contact Person	Tunde Sandor	Same						RUSH Three Day	ASP A Pkg																																															
E-mail Addr.:	Tsandor@lbqct.com		E-mail:					RUSH Four Day	ASP B Pkg	x, pdf																																														
FAX No.:	203-926-9140		Fax No.:					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. Samples Collected/Authorized By (Signature) <u>STEPHEN HANAT</u> Name (printed)																																																								
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Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 05/30/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13E0884

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 05/30/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13E0884

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 24, 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>
13E0884-01	FRW-1	Water	05/20/2013	05/24/2013
13E0884-02	FRW-2	Water	05/20/2013	05/24/2013
13E0884-03	FRW-3	Water	05/20/2013	05/24/2013
13E0884-04	FRW-4	Water	05/20/2013	05/24/2013

General Notes for York Project (SDG) No.: 13E0884

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: 05/30/2013

YORK



Sample Information

Client Sample ID: FRW-1

York Sample ID: 13E0884-01

York Project (SDG) No.

13E0884

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

May 20, 2013 1:15 pm

Date Received

05/24/2013

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	05/28/2013 14:10	05/28/2013 14:33	SS
71-55-6	1,1,1-Trichloroethane	6.2		ug/L	0.024	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	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	05/28/2013 14:10	05/28/2013 14:33	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
75-34-3	1,1-Dichloroethane	2.4		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
75-35-4	1,1-Dichloroethylene	0.67		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
67-64-1	Acetone	2.2		ug/L	0.90	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS



Sample Information

Client Sample ID: FRW-1

York Sample ID: 13E0884-01

York Project (SDG) No.
13E0884

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 20, 2013 1:15 pm

Date Received
05/24/2013

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	05/28/2013 14:10	05/28/2013 14:33	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
156-59-2	cis-1,2-Dichloroethylene	180		ug/L	10	25	50	EPA SW846-8260B	05/28/2013 14:10	05/29/2013 12:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
75-09-2	Methylene chloride	1.3	J	ug/L	0.26	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
127-18-4	Tetrachloroethylene	210		ug/L	10	25	50	EPA SW846-8260B	05/28/2013 14:10	05/29/2013 12:04	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
156-60-5	trans-1,2-Dichloroethylene	0.52		ug/L	0.085	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
79-01-6	Trichloroethylene	36		ug/L	10	25	50	EPA SW846-8260B	05/28/2013 14:10	05/29/2013 12:04	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
75-01-4	Vinyl Chloride	20		ug/L	0.062	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 14:33	SS
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: FRW-1

York Sample ID: 13E0884-01

York Project (SDG) No.
13E0884

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 20, 2013 1:15 pm

Date Received
05/24/2013

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	84.2 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	113 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	100 %			81.2-127						

Sample Information

Client Sample ID: FRW-2

York Sample ID: 13E0884-02

York Project (SDG) No.
13E0884

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 20, 2013 11:25 am

Date Received
05/24/2013

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	05/28/2013 14:10	05/28/2013 15:09	SS
71-55-6	1,1,1-Trichloroethane	0.20	J	ug/L	0.024	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	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	05/28/2013 14:10	05/28/2013 15:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
75-34-3	1,1-Dichloroethane	1.1		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS



Sample Information

Client Sample ID: FRW-2

York Sample ID: 13E0884-02

York Project (SDG) No.
13E0884

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 20, 2013 11:25 am

Date Received
05/24/2013

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	05/28/2013 14:10	05/28/2013 15:09	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
67-64-1	Acetone	7.7		ug/L	0.90	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
71-43-2	Benzene	0.32	J	ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
156-59-2	cis-1,2-Dichloroethylene	49		ug/L	0.40	1.0	2	EPA SW846-8260B	05/28/2013 14:10	05/29/2013 13:15	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
100-41-4	Ethyl Benzene	0.11	J	ug/L	0.057	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
75-09-2	Methylene chloride	2.8		ug/L	0.26	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS



Sample Information

Client Sample ID: FRW-2

York Sample ID: 13E0884-02

York Project (SDG) No.
13E0884

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 20, 2013 11:25 am

Date Received
05/24/2013

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	05/28/2013 14:10	05/28/2013 15:09	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
127-18-4	Tetrachloroethylene	6.0		ug/L	0.40	1.0	2	EPA SW846-8260B	05/28/2013 14:10	05/29/2013 13:15	SS
108-88-3	Toluene	0.39	J	ug/L	0.042	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
79-01-6	Trichloroethylene	2.4		ug/L	0.071	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
75-01-4	Vinyl Chloride	7.2		ug/L	0.062	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:09	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	89.7 %		72.6-129							
460-00-4	Surrogate: p-Bromofluorobenzene	118 %		63.5-145							
2037-26-5	Surrogate: Toluene-d8	99.6 %		81.2-127							

Sample Information

Client Sample ID: FRW-3

York Sample ID: 13E0884-03

York Project (SDG) No.
13E0884

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 20, 2013 12:00 pm

Date Received
05/24/2013

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	05/28/2013 14:10	05/28/2013 15:45	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 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	05/28/2013 14:10	05/28/2013 15:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
75-34-3	1,1-Dichloroethane	5.0		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
75-35-4	1,1-Dichloroethylene	0.29	J	ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS



Sample Information

Client Sample ID: FRW-3

York Sample ID: 13E0884-03

York Project (SDG) No.
13E0884

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 20, 2013 12:00 pm

Date Received
05/24/2013

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	05/28/2013 14:10	05/28/2013 15:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
67-64-1	Acetone	2.6		ug/L	0.90	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
75-00-3	Chloroethane	0.68		ug/L	0.090	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
156-59-2	cis-1,2-Dichloroethylene	320		ug/L	4.0	10	20	EPA SW846-8260B	05/28/2013 14:10	05/29/2013 13:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS



Sample Information

Client Sample ID: FRW-3

York Sample ID: 13E0884-03

York Project (SDG) No.
13E0884

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 20, 2013 12:00 pm

Date Received
05/24/2013

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	05/28/2013 14:10	05/28/2013 15:45	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
98-82-8	Isopropylbenzene	0.26	J	ug/L	0.056	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
75-09-2	Methylene chloride	1.1	J	ug/L	0.26	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
127-18-4	Tetrachloroethylene	1.4		ug/L	0.070	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
108-88-3	Toluene	0.11	J	ug/L	0.042	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
156-60-5	trans-1,2-Dichloroethylene	0.50		ug/L	0.085	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
79-01-6	Trichloroethylene	0.25	J	ug/L	0.071	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
75-01-4	Vinyl Chloride	9.2		ug/L	0.062	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 15:45	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	82.7 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	127 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	102 %	81.2-127								

Sample Information

Client Sample ID: FRW-4

York Sample ID: 13E0884-04

York Project (SDG) No.
13E0884

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 20, 2013 12:40 pm

Date Received
05/24/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: FRW-4

York Sample ID: 13E0884-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13E0884

Rowe Industries

Water

May 20, 2013 12:40 pm

05/24/2013

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	05/28/2013 14:10	05/28/2013 16:20	SS
71-55-6	1,1,1-Trichloroethane	3.5		ug/L	0.024	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	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	05/28/2013 14:10	05/28/2013 16:20	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
75-34-3	1,1-Dichloroethane	1.4		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS



Sample Information

Client Sample ID: FRW-4

York Sample ID: 13E0884-04

York Project (SDG) No.
13E0884

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
May 20, 2013 12:40 pm

Date Received
05/24/2013

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	05/28/2013 14:10	05/28/2013 16:20	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
156-59-2	cis-1,2-Dichloroethylene	22		ug/L	1.0	2.5	5	EPA SW846-8260B	05/28/2013 14:10	05/29/2013 14:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
75-09-2	Methylene chloride	1.1	J	ug/L	0.26	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
127-18-4	Tetrachloroethylene	47		ug/L	1.0	2.5	5	EPA SW846-8260B	05/28/2013 14:10	05/29/2013 14:26	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
79-01-6	Trichloroethylene	13		ug/L	0.071	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	05/28/2013 14:10	05/28/2013 16:20	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	92.2 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	118 %	63.5-145								



Sample Information

Client Sample ID: FRW-4

York Sample ID: 13E0884-04

York Project (SDG) No.

13E0884

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

May 20, 2013 12:40 pm

Date Received

05/24/2013

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	114 %			81.2-127						



Analytical Batch Summary

Batch ID: BE31209

Preparation Method: EPA 5030B

Prepared By: EKM

YORK Sample ID	Client Sample ID	Preparation Date
13E0884-01	FRW-1	05/28/13
13E0884-02	FRW-2	05/28/13
13E0884-03	FRW-3	05/28/13
13E0884-04	FRW-4	05/28/13
BE31209-BLK1	Blank	05/28/13
BE31209-BS1	LCS	05/28/13
BE31209-BSD1	LCS Dup	05/28/13

Batch ID: BE31263

Preparation Method: EPA 5030B

Prepared By: EKM

YORK Sample ID	Client Sample ID	Preparation Date
13E0884-01RE1	FRW-1	05/29/13
13E0884-02RE1	FRW-2	05/29/13
13E0884-03RE1	FRW-3	05/29/13
13E0884-04RE1	FRW-4	05/29/13
BE31263-BLK1	Blank	05/29/13
BE31263-BS1	LCS	05/29/13
BE31263-BSD1	LCS Dup	05/29/13



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 BE31209 - EPA 5030B

Blank (BE31209-BLK1)

Prepared & Analyzed: 05/28/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	2.0	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	2.0	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	2.0	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	ND	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	0.66	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 BE31209 - EPA 5030B

Blank (BE31209-BLK1)

Prepared & Analyzed: 05/28/2013

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>8.11</i>		<i>"</i>	<i>10.0</i>		<i>81.1</i>	<i>72.6-129</i>
<i>Surrogate: p-Bromofluorobenzene</i>	<i>11.6</i>		<i>"</i>	<i>10.0</i>		<i>116</i>	<i>63.5-145</i>
<i>Surrogate: Toluene-d8</i>	<i>9.95</i>		<i>"</i>	<i>10.0</i>		<i>99.5</i>	<i>81.2-127</i>

LCS (BE31209-BS1)

Prepared & Analyzed: 05/28/2013

1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	82.3-130
1,1,1-Trichloroethane	10.3		"	10.0		103	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)	11.0		"	10.0		110	71.1-129
1,1,2-Trichloroethane	10.3		"	10.0		103	74.5-129
1,1-Dichloroethane	9.69		"	10.0		96.9	79.6-132
1,1-Dichloroethylene	10.1		"	10.0		101	80.2-146
1,1-Dichloropropylene	9.64		"	10.0		96.4	75-136
1,2,3-Trichlorobenzene	9.57		"	10.0		95.7	66.1-136
1,2,3-Trichloropropane	13.0		"	10.0		130	63-131
1,2,4-Trichlorobenzene	9.46		"	10.0		94.6	70.6-136
1,2,4-Trimethylbenzene	11.4		"	10.0		114	75.3-135
1,2-Dibromo-3-chloropropane	12.4		"	10.0		124	58.9-140
1,2-Dibromoethane	10.3		"	10.0		103	79-130
1,2-Dichlorobenzene	10.6		"	10.0		106	76.1-122
1,2-Dichloroethane	8.67		"	10.0		86.7	74.6-132
1,2-Dichloropropane	10.5		"	10.0		105	76.9-129
1,3,5-Trimethylbenzene	11.4		"	10.0		114	70.6-127
1,3-Dichlorobenzene	10.8		"	10.0		108	77-124
1,3-Dichloropropane	10.0		"	10.0		100	75.8-126
1,4-Dichlorobenzene	11.0		"	10.0		110	76.6-125
2,2-Dichloropropane	10.2		"	10.0		102	69-133
2-Chlorotoluene	11.1		"	10.0		111	66.3-119
2-Hexanone	9.34		"	10.0		93.4	70-130
4-Chlorotoluene	11.6		"	10.0		116	69.2-127
Acetone	7.44		"	10.0		74.4	70-130
Benzene	10.1		"	10.0		101	76.2-129
Bromobenzene	11.2		"	10.0		112	71.3-123
Bromochloromethane	9.11		"	10.0		91.1	70.8-137
Bromodichloromethane	11.2		"	10.0		112	79.7-134
Bromoform	12.2		"	10.0		122	70.5-141
Bromomethane	8.38		"	10.0		83.8	43.9-147
Carbon tetrachloride	10.6		"	10.0		106	78.1-138
Chlorobenzene	10.1		"	10.0		101	80.4-125



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE31209 - EPA 5030B

LCS (BE31209-BS1)

Prepared & Analyzed: 05/28/2013

Chloroethane	10.2		ug/L	10.0		102	55.8-140				
Chloroform	9.66		"	10.0		96.6	76.6-133				
Chloromethane	9.01		"	10.0		90.1	48.8-115				
cis-1,2-Dichloroethylene	10.0		"	10.0		100	75.1-128				
cis-1,3-Dichloropropylene	11.1		"	10.0		111	74.5-128				
Dibromochloromethane	11.2		"	10.0		112	79.8-134				
Dibromomethane	11.4		"	10.0		114	79-130				
Dichlorodifluoromethane	8.84		"	10.0		88.4	47.1-101				
Ethyl Benzene	10.9		"	10.0		109	80.8-128				
Hexachlorobutadiene	10.2		"	10.0		102	64.8-128				
Isopropylbenzene	11.9		"	10.0		119	75.5-135				
Methyl tert-butyl ether (MTBE)	9.60		"	10.0		96.0	65.1-140				
Methylene chloride	9.34		"	10.0		93.4	61.3-120				
Naphthalene	9.70		"	10.0		97.0	62.3-148				
n-Butylbenzene	11.2		"	10.0		112	67.2-123				
n-Propylbenzene	11.6		"	10.0		116	70.5-127				
o-Xylene	9.99		"	10.0		99.9	75.9-122				
p- & m- Xylenes	21.3		"	20.0		107	77.7-127				
p-Isopropyltoluene	11.7		"	10.0		117	75.6-129				
sec-Butylbenzene	11.8		"	10.0		118	71.5-125				
Styrene	10.2		"	10.0		102	77.8-123				
tert-Butylbenzene	11.5		"	10.0		115	75.9-151				
Tetrachloroethylene	10.8		"	10.0		108	63.6-167				
Toluene	10.5		"	10.0		105	77-123				
trans-1,2-Dichloroethylene	9.64		"	10.0		96.4	76.3-139				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	72.5-137				
Trichloroethylene	11.3		"	10.0		113	77.9-130				
Trichlorofluoromethane	9.95		"	10.0		99.5	57.4-133				
Vinyl Chloride	9.44		"	10.0		94.4	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	8.00		"	10.0		80.0	72.6-129				
Surrogate: p-Bromofluorobenzene	10.8		"	10.0		108	63.5-145				
Surrogate: Toluene-d8	9.96		"	10.0		99.6	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
Batch BE31209 - EPA 5030B											
LCS Dup (BE31209-BSD1)						Prepared & Analyzed: 05/28/2013					
1,1,1,2-Tetrachloroethane	11.3		ug/L	10.0		113	82.3-130		1.16	21.1	
1,1,1-Trichloroethane	10.9		"	10.0		109	75.6-137		5.68	19.7	
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	71.3-131		9.16	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7		"	10.0		117	71.1-129		6.19	21.7	
1,1,2-Trichloroethane	10.2		"	10.0		102	74.5-129		0.878	20.3	
1,1-Dichloroethane	10.3		"	10.0		103	79.6-132		6.20	20.6	
1,1-Dichloroethylene	10.6		"	10.0		106	80.2-146		4.53	20	
1,1-Dichloropropylene	10.1		"	10.0		101	75-136		4.96	19.3	
1,2,3-Trichlorobenzene	9.94		"	10.0		99.4	66.1-136		3.79	21.6	
1,2,3-Trichloropropane	12.2		"	10.0		122	63-131		6.12	23.9	
1,2,4-Trichlorobenzene	9.80		"	10.0		98.0	70.6-136		3.53	21.7	
1,2,4-Trimethylbenzene	11.2		"	10.0		112	75.3-135		2.30	18.8	
1,2-Dibromo-3-chloropropane	13.4		"	10.0		134	58.9-140		7.93	27.7	
1,2-Dibromoethane	10.2		"	10.0		102	79-130		1.66	23	
1,2-Dichlorobenzene	10.2		"	10.0		102	76.1-122		4.62	19.8	
1,2-Dichloroethane	9.37		"	10.0		93.7	74.6-132		7.76	20.2	
1,2-Dichloropropane	10.2		"	10.0		102	76.9-129		3.29	20.7	
1,3,5-Trimethylbenzene	11.2		"	10.0		112	70.6-127		2.39	18.9	
1,3-Dichlorobenzene	10.1		"	10.0		101	77-124		6.61	19.2	
1,3-Dichloropropane	9.58		"	10.0		95.8	75.8-126		4.69	22.1	
1,4-Dichlorobenzene	10.1		"	10.0		101	76.6-125		8.72	18.6	
2,2-Dichloropropane	11.0		"	10.0		110	69-133		7.90	19.8	
2-Chlorotoluene	10.5		"	10.0		105	66.3-119		5.19	21.6	
2-Hexanone	9.61		"	10.0		96.1	70-130		2.85	30	
4-Chlorotoluene	11.0		"	10.0		110	69.2-127		5.74	19	
Acetone	7.18		"	10.0		71.8	70-130		3.56	30	
Benzene	10.8		"	10.0		108	76.2-129		6.03	19	
Bromobenzene	10.8		"	10.0		108	71.3-123		3.09	20.3	
Bromochloromethane	9.77		"	10.0		97.7	70.8-137		6.99	23.9	
Bromodichloromethane	10.6		"	10.0		106	79.7-134		4.86	21	
Bromoform	10.3		"	10.0		103	70.5-141		17.4	21.8	
Bromomethane	8.73		"	10.0		87.3	43.9-147		4.09	28.4	
Carbon tetrachloride	11.2		"	10.0		112	78.1-138		6.33	20.1	
Chlorobenzene	10.0		"	10.0		100	80.4-125		0.597	19.9	
Chloroethane	10.2		"	10.0		102	55.8-140		0.294	23.3	
Chloroform	10.2		"	10.0		102	76.6-133		4.95	20.3	
Chloromethane	9.42		"	10.0		94.2	48.8-115		4.45	24.5	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	75.1-128		3.34	20.5	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	74.5-128		7.99	19.9	
Dibromochloromethane	10.7		"	10.0		107	79.8-134		4.83	21.3	
Dibromomethane	11.6		"	10.0		116	79-130		1.47	22.4	
Dichlorodifluoromethane	9.40		"	10.0		94.0	47.1-101		6.14	23.9	
Ethyl Benzene	10.7		"	10.0		107	80.8-128		1.76	19.2	
Hexachlorobutadiene	10.5		"	10.0		105	64.8-128		2.90	20.6	
Isopropylbenzene	11.0		"	10.0		110	75.5-135		7.95	20	
Methyl tert-butyl ether (MTBE)	9.86		"	10.0		98.6	65.1-140		2.67	23.6	
Methylene chloride	9.81		"	10.0		98.1	61.3-120		4.91	20.4	
Naphthalene	9.53		"	10.0		95.3	62.3-148		1.77	27.1	
n-Butylbenzene	11.0		"	10.0		110	67.2-123		2.44	19.1	
n-Propylbenzene	11.0		"	10.0		110	70.5-127		5.59	23.4	
o-Xylene	9.92		"	10.0		99.2	75.9-122		0.703	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 BE31209 - EPA 5030B

LCS Dup (BE31209-BSD1)

Prepared & Analyzed: 05/28/2013

p- & m- Xylenes	20.9		ug/L	20.0		104	77.7-127		2.23	18.6	
p-Isopropyltoluene	11.1		"	10.0		111	75.6-129		5.01	19.1	
sec-Butylbenzene	11.2		"	10.0		112	71.5-125		6.09	18.9	
Styrene	10.2		"	10.0		102	77.8-123		0.392	20.9	
tert-Butylbenzene	10.9		"	10.0		109	75.9-151		5.10	20.9	
Tetrachloroethylene	10.6		"	10.0		106	63.6-167		2.06	27.7	
Toluene	10.4		"	10.0		104	77-123		0.668	18.7	
trans-1,2-Dichloroethylene	10.1		"	10.0		101	76.3-139		4.76	19.5	
trans-1,3-Dichloropropylene	10.5		"	10.0		105	72.5-137		0.383	19.3	
Trichloroethylene	11.0		"	10.0		110	77.9-130		3.05	20.5	
Trichlorofluoromethane	10.8		"	10.0		108	57.4-133		7.82	21.4	
Vinyl Chloride	10.1		"	10.0		101	54.9-124		6.85	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>8.90</i>		<i>"</i>	<i>10.0</i>		<i>89.0</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.68</i>		<i>"</i>	<i>10.0</i>		<i>96.8</i>	<i>81.2-127</i>				

Batch BE31263 - EPA 5030B

Blank (BE31263-BLK1)

Prepared & Analyzed: 05/29/2013

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	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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE31263 - EPA 5030B

Blank (BE31263-BLK1)

Prepared & Analyzed: 05/29/2013

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	1.8	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	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>8.45</i>		<i>"</i>	<i>10.0</i>		<i>84.5</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>9.82</i>		<i>"</i>	<i>10.0</i>		<i>98.2</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
Batch BE31263 - EPA 5030B											
LCS (BE31263-BS1)						Prepared & Analyzed: 05/29/2013					
1,1,1,2-Tetrachloroethane	11.5		ug/L	10.0		115	82.3-130				
1,1,1-Trichloroethane	10.6		"	10.0		106	75.6-137				
1,1,2,2-Tetrachloroethane	11.5		"	10.0		115	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	71.1-129				
1,1,2-Trichloroethane	10.1		"	10.0		101	74.5-129				
1,1-Dichloroethane	9.86		"	10.0		98.6	79.6-132				
1,1-Dichloroethylene	9.80		"	10.0		98.0	80.2-146				
1,1-Dichloropropylene	9.42		"	10.0		94.2	75-136				
1,2,3-Trichlorobenzene	8.91		"	10.0		89.1	66.1-136				
1,2,3-Trichloropropane	12.7		"	10.0		127	63-131				
1,2,4-Trichlorobenzene	11.0		"	10.0		110	70.6-136				
1,2,4-Trimethylbenzene	11.6		"	10.0		116	75.3-135				
1,2-Dibromo-3-chloropropane	13.6		"	10.0		136	58.9-140				
1,2-Dibromoethane	10.7		"	10.0		107	79-130				
1,2-Dichlorobenzene	10.7		"	10.0		107	76.1-122				
1,2-Dichloroethane	8.87		"	10.0		88.7	74.6-132				
1,2-Dichloropropane	10.6		"	10.0		106	76.9-129				
1,3,5-Trimethylbenzene	11.9		"	10.0		119	70.6-127				
1,3-Dichlorobenzene	10.9		"	10.0		109	77-124				
1,3-Dichloropropane	10.4		"	10.0		104	75.8-126				
1,4-Dichlorobenzene	10.5		"	10.0		105	76.6-125				
2,2-Dichloropropane	10.2		"	10.0		102	69-133				
2-Chlorotoluene	11.4		"	10.0		114	66.3-119				
2-Hexanone	9.70		"	10.0		97.0	70-130				
4-Chlorotoluene	11.8		"	10.0		118	69.2-127				
Acetone	7.44		"	10.0		74.4	70-130				
Benzene	10.2		"	10.0		102	76.2-129				
Bromobenzene	11.4		"	10.0		114	71.3-123				
Bromochloromethane	9.41		"	10.0		94.1	70.8-137				
Bromodichloromethane	11.2		"	10.0		112	79.7-134				
Bromoform	11.4		"	10.0		114	70.5-141				
Bromomethane	7.69		"	10.0		76.9	43.9-147				
Carbon tetrachloride	10.0		"	10.0		100	78.1-138				
Chlorobenzene	9.80		"	10.0		98.0	80.4-125				
Chloroethane	9.23		"	10.0		92.3	55.8-140				
Chloroform	9.86		"	10.0		98.6	76.6-133				
Chloromethane	7.61		"	10.0		76.1	48.8-115				
cis-1,2-Dichloroethylene	9.71		"	10.0		97.1	75.1-128				
cis-1,3-Dichloropropylene	10.8		"	10.0		108	74.5-128				
Dibromochloromethane	11.0		"	10.0		110	79.8-134				
Dibromomethane	12.0		"	10.0		120	79-130				
Dichlorodifluoromethane	5.74		"	10.0		57.4	47.1-101				
Ethyl Benzene	10.6		"	10.0		106	80.8-128				
Hexachlorobutadiene	11.4		"	10.0		114	64.8-128				
Isopropylbenzene	11.5		"	10.0		115	75.5-135				
Methyl tert-butyl ether (MTBE)	9.91		"	10.0		99.1	65.1-140				
Methylene chloride	10.8		"	10.0		108	61.3-120				
Naphthalene	10.3		"	10.0		103	62.3-148				
n-Butylbenzene	11.4		"	10.0		114	67.2-123				
n-Propylbenzene	11.3		"	10.0		113	70.5-127				
o-Xylene	10.4		"	10.0		104	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 BE31263 - EPA 5030B

LCS (BE31263-BS1)

Prepared & Analyzed: 05/29/2013

p- & m- Xylenes	21.3		ug/L	20.0		106	77.7-127				
p-Isopropyltoluene	11.5		"	10.0		115	75.6-129				
sec-Butylbenzene	11.5		"	10.0		115	71.5-125				
Styrene	11.0		"	10.0		110	77.8-123				
tert-Butylbenzene	11.2		"	10.0		112	75.9-151				
Tetrachloroethylene	10.2		"	10.0		102	63.6-167				
Toluene	10.4		"	10.0		104	77-123				
trans-1,2-Dichloroethylene	9.57		"	10.0		95.7	76.3-139				
trans-1,3-Dichloropropylene	10.8		"	10.0		108	72.5-137				
Trichloroethylene	11.0		"	10.0		110	77.9-130				
Trichlorofluoromethane	9.37		"	10.0		93.7	57.4-133				
Vinyl Chloride	8.60		"	10.0		86.0	54.9-124				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>8.30</i>		<i>"</i>	<i>10.0</i>		<i>83.0</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.02</i>		<i>"</i>	<i>10.0</i>		<i>90.2</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.86</i>		<i>"</i>	<i>10.0</i>		<i>98.6</i>	<i>81.2-127</i>				

LCS Dup (BE31263-BSD1)

Prepared & Analyzed: 05/29/2013

1,1,1,2-Tetrachloroethane	11.2		ug/L	10.0		112	82.3-130		2.46	21.1	
1,1,1-Trichloroethane	10.9		"	10.0		109	75.6-137		2.80	19.7	
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	71.3-131		11.6	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1		"	10.0		111	71.1-129		5.35	21.7	
1,1,2-Trichloroethane	10.5		"	10.0		105	74.5-129		3.40	20.3	
1,1-Dichloroethane	10.1		"	10.0		101	79.6-132		2.80	20.6	
1,1-Dichloroethylene	10.3		"	10.0		103	80.2-146		5.07	20	
1,1-Dichloropropylene	10.2		"	10.0		102	75-136		7.76	19.3	
1,2,3-Trichlorobenzene	8.17		"	10.0		81.7	66.1-136		8.67	21.6	
1,2,3-Trichloropropane	12.3		"	10.0		123	63-131		3.43	23.9	
1,2,4-Trichlorobenzene	10.3		"	10.0		103	70.6-136		7.23	21.7	
1,2,4-Trimethylbenzene	11.6		"	10.0		116	75.3-135		0.00	18.8	
1,2-Dibromo-3-chloropropane	12.2		"	10.0		122	58.9-140		10.6	27.7	
1,2-Dibromoethane	10.4		"	10.0		104	79-130		2.56	23	
1,2-Dichlorobenzene	10.6		"	10.0		106	76.1-122		1.22	19.8	
1,2-Dichloroethane	9.26		"	10.0		92.6	74.6-132		4.30	20.2	
1,2-Dichloropropane	10.2		"	10.0		102	76.9-129		2.98	20.7	
1,3,5-Trimethylbenzene	11.6		"	10.0		116	70.6-127		2.12	18.9	
1,3-Dichlorobenzene	10.4		"	10.0		104	77-124		3.94	19.2	
1,3-Dichloropropane	10.2		"	10.0		102	75.8-126		2.05	22.1	
1,4-Dichlorobenzene	10.3		"	10.0		103	76.6-125		1.73	18.6	
2,2-Dichloropropane	10.5		"	10.0		105	69-133		3.58	19.8	
2-Chlorotoluene	11.0		"	10.0		110	66.3-119		3.13	21.6	
2-Hexanone	9.31		"	10.0		93.1	70-130		4.10	30	
4-Chlorotoluene	11.4		"	10.0		114	69.2-127		3.35	19	
Acetone	7.27		"	10.0		72.7	70-130		2.31	30	
Benzene	10.4		"	10.0		104	76.2-129		2.04	19	
Bromobenzene	10.6		"	10.0		106	71.3-123		7.16	20.3	
Bromochloromethane	10.1		"	10.0		101	70.8-137		6.78	23.9	
Bromodichloromethane	11.6		"	10.0		116	79.7-134		3.24	21	
Bromoform	9.67		"	10.0		96.7	70.5-141		16.7	21.8	
Bromomethane	7.97		"	10.0		79.7	43.9-147		3.58	28.4	
Carbon tetrachloride	10.6		"	10.0		106	78.1-138		5.61	20.1	
Chlorobenzene	10.3		"	10.0		103	80.4-125		5.07	19.9	
Chloroethane	9.79		"	10.0		97.9	55.8-140		5.89	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 BE31263 - EPA 5030B

LCS Dup (BE31263-BSD1)

Prepared & Analyzed: 05/29/2013

Chloroform	10.5		ug/L	10.0		105	76.6-133		6.19	20.3	
Chloromethane	8.23		"	10.0		82.3	48.8-115		7.83	24.5	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	75.1-128		4.43	20.5	
cis-1,3-Dichloropropylene	10.8		"	10.0		108	74.5-128		0.00	19.9	
Dibromochloromethane	10.6		"	10.0		106	79.8-134		3.34	21.3	
Dibromomethane	11.8		"	10.0		118	79-130		1.68	22.4	
Dichlorodifluoromethane	6.47		"	10.0		64.7	47.1-101		12.0	23.9	
Ethyl Benzene	10.8		"	10.0		108	80.8-128		1.86	19.2	
Hexachlorobutadiene	11.5		"	10.0		115	64.8-128		0.787	20.6	
Isopropylbenzene	11.5		"	10.0		115	75.5-135		0.522	20	
Methyl tert-butyl ether (MTBE)	9.71		"	10.0		97.1	65.1-140		2.04	23.6	
Methylene chloride	10.8		"	10.0		108	61.3-120		0.741	20.4	
Naphthalene	9.83		"	10.0		98.3	62.3-148		4.86	27.1	
n-Butylbenzene	11.5		"	10.0		115	67.2-123		0.350	19.1	
n-Propylbenzene	11.2		"	10.0		112	70.5-127		1.07	23.4	
o-Xylene	10.3		"	10.0		103	75.9-122		0.484	19.3	
p- & m- Xylenes	21.5		"	20.0		107	77.7-127		0.795	18.6	
p-Isopropyltoluene	11.6		"	10.0		116	75.6-129		1.47	19.1	
sec-Butylbenzene	11.6		"	10.0		116	71.5-125		0.173	18.9	
Styrene	10.7		"	10.0		107	77.8-123		2.95	20.9	
tert-Butylbenzene	10.8		"	10.0		108	75.9-151		3.00	20.9	
Tetrachloroethylene	10.5		"	10.0		105	63.6-167		2.89	27.7	
Toluene	10.7		"	10.0		107	77-123		2.66	18.7	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	76.3-139		6.28	19.5	
trans-1,3-Dichloropropylene	10.3		"	10.0		103	72.5-137		5.10	19.3	
Trichloroethylene	11.6		"	10.0		116	77.9-130		5.65	20.5	
Trichlorofluoromethane	9.87		"	10.0		98.7	57.4-133		5.20	21.4	
Vinyl Chloride	9.14		"	10.0		91.4	54.9-124		6.09	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>8.48</i>		<i>"</i>	<i>10.0</i>		<i>84.8</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>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81.2-127</i>				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13E0884-01	FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0884-02	FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0884-03	FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0884-04	FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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

Field Chain-of-Custody Record

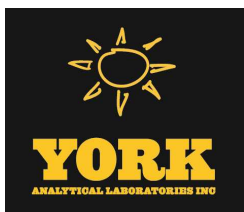
Page 1 of 1

York Project No. 13 E0884

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.

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type	
Company: <u>LBG</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>
Address: <u>4 Research Dr. Suite 301</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>
Phone No. <u>203-929-8555</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>
Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>
E-Mail Address: <u>Tunde@LBG-CT.com</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.											
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) <u>Tunde Sander</u> Name (printed)											
Choose Analyses Needed from the Menu Above and Enter Below											
Sample Identification	Date/Time Sampled	Sample Matrix	Container Description(s)								
FRW-1	5-20-2013 / 1315	GW	3-40ml VOA								
FRW-2	5-20-2013 / 1125										
FRW-3	5-20-2013 / 1200										
FRW-4	5-20-2013 / 1240										
Comments											
Preservation Check those Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐											
Temperature on Receipt 3.6 °C											
4°C ☐ Frozen ☒ HCl ☒ MeOH ☐ Ascorbic Acid ☐ HNO₃ ☐ H₂SO₄ ☐ NaOH ☐											
Samples Relinquished By <u>FR10GE</u> Date/Time <u>5-23-13 / 1440</u>											
Samples Relinquished By <u>TC Hall</u> Date/Time <u>5/24/13 9:50</u>											
Samples Relinquished By <u>TC Hall</u> Date/Time <u>5/24/13 1610</u>											

APPENDIX III
MAY 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: 05/15/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13E0398

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 05/15/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13E0398

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 09, 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>
13E0398-01	AQ050813:1300NP4-1	Vapor Extraction	05/08/2013	05/09/2013
13E0398-02	AQ050813:1305NP4-2	Vapor Extraction	05/08/2013	05/09/2013
13E0398-03	AQ050813:1310NP4-3	Vapor Extraction	05/08/2013	05/09/2013

General Notes for York Project (SDG) No.: 13E0398

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: 05/15/2013

YORK



Sample Information

Client Sample ID: AQ050813:1300NP4-1

York Sample ID: 13E0398-01

York Project (SDG) No.

13E0398

Client Project ID

Rowe Industries

Matrix

Vapor Extraction

Collection Date/Time

May 8, 2013 1:00 pm

Date Received

05/09/2013

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 ³	0.43	0.43	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
108-05-4	Vinyl acetate	ND		ug/m ³	0.60	0.60	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
79-01-6	Trichloroethylene	ND		ug/m ³	0.46	0.46	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.77	0.77	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.67	0.67	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
108-88-3	Toluene	ND		ug/m ³	0.64	0.64	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
109-99-9	Tetrahydrofuran	ND		ug/m ³	0.50	0.50	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
127-18-4	Tetrachloroethylene	ND		ug/m ³	1.2	1.2	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
100-42-5	Styrene	ND		ug/m ³	0.72	0.72	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
115-07-01	Propylene	ND		ug/m ³	0.29	0.29	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
622-96-8	p-Ethyltoluene	ND		ug/m ³	4.2	4.2	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.5	1.5	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
95-47-6	o-Xylene	ND		ug/m ³	0.74	0.74	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
110-54-3	n-Hexane	ND		ug/m ³	0.60	0.60	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
142-82-5	n-Heptane	ND		ug/m ³	0.70	0.70	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
75-09-2	Methylene chloride	0.83		ug/m ³	0.59	0.59	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.61	0.61	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.70	0.70	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
67-63-0	Isopropanol	ND		ug/m ³	0.42	0.42	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.8	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.74	0.74	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
141-78-6	Ethyl acetate	ND		ug/m ³	0.61	0.61	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
110-82-7	Cyclohexane	ND		ug/m ³	0.58	0.58	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.77	0.77	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.67	0.67	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
74-87-3	Chloromethane	ND		ug/m ³	0.35	0.35	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
67-66-3	Chloroform	ND		ug/m ³	0.83	0.83	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
75-00-3	Chloroethane	ND		ug/m ³	0.45	0.45	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.53	0.53	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
75-15-0	Carbon disulfide	ND		ug/m ³	0.53	0.53	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
74-83-9	Bromomethane	ND		ug/m ³	0.66	0.66	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
75-25-2	Bromoform	ND		ug/m ³	1.8	1.8	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD



Sample Information

Client Sample ID: AQ050813:1300NP4-1

York Sample ID: 13E0398-01

York Project (SDG) No.
13E0398

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
May 8, 2013 1:00 pm

Date Received
05/09/2013

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 ³	1.1	1.1	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
100-44-7	Benzyl chloride	ND		ug/m ³	0.88	0.88	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
71-43-2	Benzene	1.1		ug/m ³	0.54	0.54	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
67-64-1	Acetone	0.89	B	ug/m ³	0.40	0.40	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
591-78-6	2-Hexanone	ND		ug/m ³	0.70	0.70	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
78-93-3	2-Butanone	ND		ug/m ³	0.50	0.50	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.61	0.61	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.74	0.74	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.83	0.83	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.78	0.78	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.69	0.69	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.83	0.83	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.3	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.67	0.67	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.69	0.69	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
75-69-4	Trichlorofluoromethane (Freon 11)	1.5		ug/m ³	0.95	0.95	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.93	0.93	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.3	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.93	0.93	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
75-71-8	Dichlorodifluoromethane	2.9		ug/m ³	0.84	0.84	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.3	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.4	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.69	0.69	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
108-90-7	Chlorobenzene	ND		ug/m ³	0.78	0.78	1.669	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 18:44	TD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	96.2 %	70-130								



Sample Information

Client Sample ID: AQ050813:1305NP4-2

York Sample ID: 13E0398-02

York Project (SDG) No.
13E0398

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
May 8, 2013 1:05 pm

Date Received
05/09/2013

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 ³	0.46	0.46	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
108-05-4	Vinyl acetate	ND		ug/m ³	0.64	0.64	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
79-01-6	Trichloroethylene	0.88		ug/m ³	0.49	0.49	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.82	0.82	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.72	0.72	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
108-88-3	Toluene	ND		ug/m ³	0.68	0.68	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
109-99-9	Tetrahydrofuran	ND		ug/m ³	0.54	0.54	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
127-18-4	Tetrachloroethylene	23		ug/m ³	1.2	1.2	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
100-42-5	Styrene	ND		ug/m ³	0.77	0.77	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
115-07-01	Propylene	ND		ug/m ³	0.31	0.31	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
622-96-8	p-Ethyltoluene	ND		ug/m ³	4.5	4.5	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.6	1.6	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
95-47-6	o-Xylene	ND		ug/m ³	0.79	0.79	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
110-54-3	n-Hexane	1.3		ug/m ³	0.64	0.64	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
142-82-5	n-Heptane	ND		ug/m ³	0.74	0.74	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
75-09-2	Methylene chloride	1.0		ug/m ³	0.63	0.63	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	1.1		ug/m ³	0.65	0.65	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.74	0.74	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
67-63-0	Isopropanol	ND		ug/m ³	0.45	0.45	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.9	1.9	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.79	0.79	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
141-78-6	Ethyl acetate	ND		ug/m ³	0.65	0.65	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
110-82-7	Cyclohexane	ND		ug/m ³	0.63	0.63	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.82	0.82	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
156-59-2	cis-1,2-Dichloroethylene	1.1		ug/m ³	0.72	0.72	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
74-87-3	Chloromethane	1.2		ug/m ³	0.38	0.38	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
67-66-3	Chloroform	ND		ug/m ³	0.89	0.89	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
75-00-3	Chloroethane	ND		ug/m ³	0.48	0.48	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.57	0.57	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
75-15-0	Carbon disulfide	ND		ug/m ³	0.57	0.57	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
74-83-9	Bromomethane	ND		ug/m ³	0.71	0.71	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
75-25-2	Bromoform	ND		ug/m ³	1.9	1.9	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.1	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD



Sample Information

Client Sample ID: AQ050813:1305NP4-2

York Sample ID: 13E0398-02

York Project (SDG) No.
13E0398

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
May 8, 2013 1:05 pm

Date Received
05/09/2013

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 ³	0.94	0.94	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
71-43-2	Benzene	1.4		ug/m ³	0.58	0.58	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
67-64-1	Acetone	3.3	B	ug/m ³	0.43	0.43	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
591-78-6	2-Hexanone	ND		ug/m ³	0.74	0.74	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
78-93-3	2-Butanone	0.64		ug/m ³	0.54	0.54	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.65	0.65	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.79	0.79	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.89	0.89	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.3	1.3	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.84	0.84	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.74	0.74	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.89	0.89	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.3	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.72	0.72	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
75-34-3	1,1-Dichloroethane	1.8		ug/m ³	0.74	0.74	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
75-69-4	Trichlorofluoromethane (Freon 11)	1.8		ug/m ³	1.0	1.0	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.99	0.99	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.4	1.4	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
71-55-6	1,1,1-Trichloroethane	8.0		ug/m ³	0.99	0.99	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
75-71-8	Dichlorodifluoromethane	3.2		ug/m ³	0.90	0.90	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.4	1.4	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.5	1.5	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.74	0.74	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
108-90-7	Chlorobenzene	ND		ug/m ³	0.84	0.84	1.787	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 20:21	TD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	70-130								



Sample Information

Client Sample ID: AQ050813:1310NP4-3

York Sample ID: 13E0398-03

York Project (SDG) No.
13E0398

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
May 8, 2013 1:10 pm

Date Received
05/09/2013

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 ³	0.46	0.46	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
108-05-4	Vinyl acetate	ND		ug/m ³	0.63	0.63	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
79-01-6	Trichloroethylene	ND		ug/m ³	0.48	0.48	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.81	0.81	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.71	0.71	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
108-88-3	Toluene	ND		ug/m ³	0.68	0.68	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
109-99-9	Tetrahydrofuran	ND		ug/m ³	0.53	0.53	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
127-18-4	Tetrachloroethylene	ND		ug/m ³	1.2	1.2	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
100-42-5	Styrene	ND		ug/m ³	0.76	0.76	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
115-07-01	Propylene	ND		ug/m ³	0.31	0.31	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
622-96-8	p-Ethyltoluene	ND		ug/m ³	4.4	4.4	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.6	1.6	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
95-47-6	o-Xylene	ND		ug/m ³	0.78	0.78	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
110-54-3	n-Hexane	ND		ug/m ³	0.63	0.63	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
142-82-5	n-Heptane	ND		ug/m ³	0.73	0.73	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
75-09-2	Methylene chloride	1.1		ug/m ³	0.62	0.62	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.64	0.64	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.73	0.73	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
67-63-0	Isopropanol	ND		ug/m ³	0.44	0.44	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.9	1.9	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.78	0.78	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
141-78-6	Ethyl acetate	ND		ug/m ³	0.65	0.65	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
110-82-7	Cyclohexane	ND		ug/m ³	0.62	0.62	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.81	0.81	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
156-59-2	cis-1,2-Dichloroethylene	1.3		ug/m ³	0.71	0.71	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
74-87-3	Chloromethane	1.3		ug/m ³	0.37	0.37	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
67-66-3	Chloroform	ND		ug/m ³	0.87	0.87	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
75-00-3	Chloroethane	ND		ug/m ³	0.47	0.47	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.56	0.56	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
75-15-0	Carbon disulfide	ND		ug/m ³	0.56	0.56	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
74-83-9	Bromomethane	ND		ug/m ³	0.70	0.70	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
75-25-2	Bromoform	ND		ug/m ³	1.9	1.9	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD



Sample Information

Client Sample ID: AQ050813:1310NP4-3

York Sample ID: 13E0398-03

York Project (SDG) No.
13E0398

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
May 8, 2013 1:10 pm

Date Received
05/09/2013

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 ³	1.1	1.1	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
100-44-7	Benzyl chloride	ND		ug/m ³	0.93	0.93	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
71-43-2	Benzene	2.1		ug/m ³	0.57	0.57	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
67-64-1	Acetone	1.4	B	ug/m ³	0.43	0.43	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
591-78-6	2-Hexanone	ND		ug/m ³	0.73	0.73	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
78-93-3	2-Butanone	0.79		ug/m ³	0.53	0.53	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.65	0.65	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.78	0.78	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.88	0.88	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.3	1.3	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.83	0.83	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.73	0.73	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.88	0.88	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.3	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.71	0.71	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
75-34-3	1,1-Dichloroethane	2.3		ug/m ³	0.73	0.73	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
75-69-4	Trichlorofluoromethane (Freon 11)	2.0		ug/m ³	1.0	1.0	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.98	0.98	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.4	1.4	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
71-55-6	1,1,1-Trichloroethane	11		ug/m ³	0.98	0.98	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
75-71-8	Dichlorodifluoromethane	3.7		ug/m ³	0.89	0.89	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.4	1.4	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.4	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.73	0.73	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
108-90-7	Chlorobenzene	ND		ug/m ³	0.83	0.83	1.762	EPA Compendium TO-15	05/10/2013 14:04	05/10/2013 21:09	TD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	97.5 %	70-130								



Analytical Batch Summary

Batch ID: BE30549

Preparation Method: EPA TO15 PREP

Prepared By: TD

YORK Sample ID	Client Sample ID	Preparation Date
13E0398-01	AQ050813:1300NP4-1	05/10/13
13E0398-02	AQ050813:1305NP4-2	05/10/13
13E0398-03	AQ050813:1310NP4-3	05/10/13
BE30549-BLK1	Blank	05/10/13
BE30549-BS1	LCS	05/10/13
BE30549-DUP1	Duplicate	05/10/13



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 BE30549 - EPA TO15 PREP

Blank (BE30549-BLK1)

Prepared & Analyzed: 05/10/2013

Vinyl Chloride	ND	0.26	ug/m ³
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	0.88	"
o-Xylene	ND	0.44	"
n-Hexane	ND	0.36	"
n-Heptane	ND	0.42	"
Methylene chloride	ND	0.35	"
Methyl tert-butyl ether (MTBE)	ND	0.37	"
4-Methyl-2-pentanone	ND	0.42	"
Isopropanol	ND	0.25	"
Hexachlorobutadiene	ND	1.1	"
Ethyl Benzene	ND	0.44	"
Ethyl acetate	ND	0.37	"
Cyclohexane	ND	0.35	"
cis-1,3-Dichloropropylene	ND	0.46	"
cis-1,2-Dichloroethylene	ND	0.40	"
Chloromethane	ND	0.21	"
Chloroform	ND	0.50	"
Chloroethane	ND	0.27	"
Carbon tetrachloride	ND	0.32	"
Carbon disulfide	ND	0.32	"
Bromomethane	ND	0.39	"
Bromoform	ND	1.1	"
Bromodichloromethane	ND	0.63	"
Benzyl chloride	ND	0.53	"
Benzene	ND	0.32	"
Acetone	1.4	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 BE30549 - EPA TO15 PREP

Blank (BE30549-BLK1)

Prepared & Analyzed: 05/10/2013

Trichlorofluoromethane (Freon 11)	ND	0.57	ug/m ³								
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	"								

Surrogate: <i>p</i> -Bromofluorobenzene	9.95		ppbv	10.0		99.5	70-130				
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LCS (BE30549-BS1)

Prepared & Analyzed: 05/10/2013

Vinyl Chloride	11.5		ppbv	10.5		109	70-130				
Vinyl acetate	11.1		"	10.4		107	58.1-135				
Trichloroethylene	10.5		"	10.6		99.0	70-130				
trans-1,3-Dichloropropylene	14.5		"	11.5		126	62-135				
trans-1,2-Dichloroethylene	10.8		"	10.3		105	58.3-130				
Toluene	13.3		"	11.0		121	64.9-126				
Tetrahydrofuran	12.4		"	10.8		115	44.6-146				
Tetrachloroethylene	12.0		"	10.8		111	70-130				
Styrene	12.3		"	10.9		113	66.4-132				
Propylene	14.5		"	11.5		126	62.4-150				
p-Ethyltoluene	13.0		"	10.4		125	73.8-146				
p- & m- Xylenes	27.8		"	21.8		128	56.6-136				
o-Xylene	13.8		"	11.0		125	67.8-133				
n-Hexane	12.1		"	10.9		111	59.7-130				
n-Heptane	13.0		"	10.9		119	62.3-134				
Methylene chloride	8.94		"	9.70		92.2	62.6-130				
Methyl tert-butyl ether (MTBE)	8.58		"	10.3		83.3	60.7-139				
4-Methyl-2-pentanone	13.9		"	10.6		132	64.5-158				
Isopropanol	11.4		"	10.9		105	60-150				
Hexachlorobutadiene	12.2		"	10.2		120	61.2-150				
Ethyl Benzene	14.2		"	11.0		129	68.4-125	High Bias			
Ethyl acetate	13.8		"	11.0		126	40.6-150				
Cyclohexane	11.9		"	10.8		110	60.4-127				
cis-1,3-Dichloropropylene	13.1		"	10.9		120	65.5-129				
cis-1,2-Dichloroethylene	11.0		"	10.8		102	51.3-118				
Chloromethane	10.1		"	10.3		98.0	64.9-130				
Chloroform	11.7		"	11.0		106	65.1-130				
Chloroethane	11.0		"	10.3		107	52.1-131				
Carbon tetrachloride	10.5		"	10.5		99.7	70-130				
Carbon disulfide	10.9		"	10.5		104	61.8-111				
Bromomethane	10.7		"	10.5		102	60.1-140				
Bromoform	13.3		"	10.9		122	58.7-150				
Bromodichloromethane	11.5		"	10.6		108	65.3-127				
Benzyl chloride	14.3		"	10.8		132	62.5-150				
Benzene	11.4		"	10.8		106	69.5-130				
Acetone	12.5		"	11.0		114	55.3-133				
2-Hexanone	16.2		"	10.9		148	52-150				
2-Butanone	13.0		"	10.9		120	28.5-154				
1,4-Dioxane	14.2		"	10.6		134	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 BE30549 - EPA TO15 PREP

LCS (BE30549-BS1)

Prepared & Analyzed: 05/10/2013

1,4-Dichlorobenzene	14.2		ppbv	10.9		131	62.5-139				
1,3-Dichlorobenzene	14.1		"	10.8		130	71.9-153				
1,3-Butadiene	11.5		"	10.9		105	66.7-127				
1,3,5-Trimethylbenzene	13.4		"	11.0		122	65-152				
1,2-Dichlorotetrafluoroethane	11.2		"	10.5		107	63.3-129				
1,2-Dichloropropane	12.0		"	11.0		109	21.3-152				
1,2-Dichloroethane	11.8		"	10.7		110	51.2-124				
1,2-Dichlorobenzene	13.7		"	10.7		128	63.7-148				
1,2,4-Trimethylbenzene	13.1		"	11.0		119	67.9-152				
1,2,4-Trichlorobenzene	11.6		"	10.0		116	58-147				
1,1-Dichloroethylene	10.2		"	9.60		106	58.1-130				
1,1-Dichloroethane	10.8		"	10.3		105	63.3-130				
Trichlorofluoromethane (Freon 11)	11.4		"	11.0		104	56-132				
1,1,2-Trichloroethane	12.5		"	11.0		114	66-127				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.44		"	9.20		103	60.2-125				
1,1,2,2-Tetrachloroethane	13.7		"	11.0		125	63.7-132				
1,1,1-Trichloroethane	11.2		"	10.5		107	58.2-126				
Dichlorodifluoromethane	11.1		"	10.2		108	62.8-133				
1,2-Dibromoethane	13.1		"	11.0		119	70-130				
Dibromochloromethane	12.1		"	10.7		113	70-130				
Methyl Methacrylate	11.3		"	10.7		105	70-130				
Chlorobenzene	12.8		"	11.0		116	67.6-122				
Surrogate: <i>p</i> -Bromofluorobenzene	10.3		"	10.0		103	70-130				

Duplicate (BE30549-DUP1)

*Source sample: 13E0398-01 (AQ050813:1300NP4-1)

Prepared & Analyzed: 05/10/2013

Vinyl Chloride	ND	0.43	ug/m ³		ND					25	
Vinyl acetate	ND	0.60	"		ND					25	
Trichloroethylene	ND	0.46	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.77	"		ND					25	
trans-1,2-Dichloroethylene	ND	0.67	"		ND					25	
Toluene	ND	0.64	"		ND					25	
Tetrahydrofuran	ND	0.50	"		ND					25	
Tetrachloroethylene	ND	1.2	"		ND					25	
Styrene	ND	0.72	"		ND					25	
Propylene	ND	0.29	"		ND					25	
p-Ethyltoluene	ND	4.2	"		ND					25	
p- & m- Xylenes	ND	1.5	"		ND					25	
o-Xylene	ND	0.74	"		ND					25	
n-Hexane	ND	0.60	"		ND					25	
n-Heptane	ND	0.70	"		ND					25	
Methylene chloride	1.0	0.59	"		0.83				19.4	25	
Methyl tert-butyl ether (MTBE)	ND	0.61	"		ND					25	
4-Methyl-2-pentanone	ND	0.70	"		ND					25	
Isopropanol	ND	0.42	"		ND					25	
Hexachlorobutadiene	ND	1.8	"		ND					25	
Ethyl Benzene	ND	0.74	"		ND					25	
Ethyl acetate	ND	0.61	"		ND					25	
Cyclohexane	ND	0.58	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.77	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.67	"		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
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Batch BE30549 - EPA TO15 PREP

Duplicate (BE30549-DUP1)		*Source sample: 13E0398-01 (AQ050813:1300NP4-1)					Prepared & Analyzed: 05/10/2013				
Chloroethane	ND	0.45	ug/m ³		ND					25	
Carbon tetrachloride	ND	0.53	"		ND					25	
Carbon disulfide	ND	0.53	"		ND					25	
Bromomethane	ND	0.66	"		ND					25	
Bromoform	ND	1.8	"		ND					25	
Bromodichloromethane	ND	1.1	"		ND					25	
Benzyl chloride	ND	0.88	"		ND					25	
Benzene	1.2	0.54	"		1.1				4.65	25	
Acetone	1.1	0.40	"		0.89				20.4	25	
2-Hexanone	ND	0.70	"		ND					25	
2-Butanone	ND	0.50	"		ND					25	
1,4-Dioxane	ND	0.61	"		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	0.83	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.2	"		ND					25	
1,2-Dichloropropane	ND	0.78	"		ND					25	
1,2-Dichloroethane	ND	0.69	"		ND					25	
1,2-Dichlorobenzene	ND	1.0	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.83	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.3	"		ND					25	
1,1-Dichloroethylene	ND	0.67	"		ND					25	
1,1-Dichloroethane	ND	0.69	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.8	0.95	"		1.5				17.1	25	
1,1,2-Trichloroethane	ND	0.93	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.3	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.2	"		ND					25	
1,1,1-Trichloroethane	ND	0.93	"		ND					25	
Dichlorodifluoromethane	2.9	0.84	"		2.9				2.90	25	
1,2-Dibromoethane	ND	1.3	"		ND					25	
Dibromochloromethane	ND	1.4	"		ND					25	
Methyl Methacrylate	ND	0.69	"		ND					25	
Chlorobenzene	ND	0.78	"		ND					25	
Surrogate: <i>p</i> -Bromofluorobenzene	10.0		ppbv	10.0		100	70-130				



Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
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.

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Field Chain-of-Custody Record - AIR

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

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

York Project No. 13E0398

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