

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)	Ethylbenzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	5.0 to 8.5	---	5	5	5	5	5	5	5	5	5	5	5	---	10	7	---	---
5-Nov-12	7.5	107	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<2	ND<0.5	1.82	0.048
12-Nov-12	7.6	103	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<2	ND<0.5	18.9	0.024
19-Nov-12	7.5	115	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	0.12 J.B	ND<0.5	1.36	0.052
27-Nov-12	7.4	111	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<2	ND<0.5	0.88	0.021

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

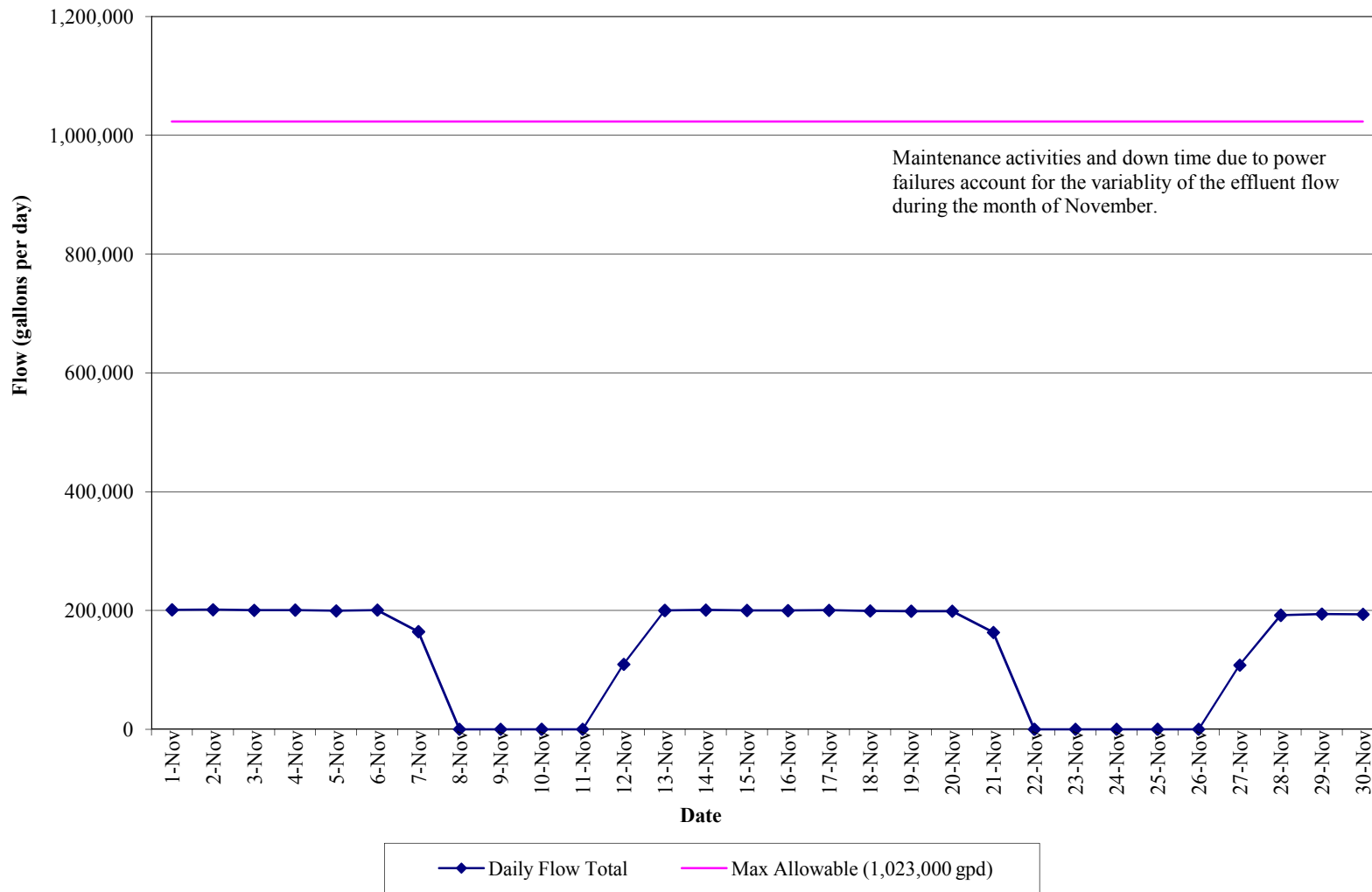
trans-1,2-DCE: trans-1,2-Dichloroethene

Notes:

- 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.
- "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
(November 1, 2012 to November 30, 2012)**



APPENDIX I
NOVEMBER 2012 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM

YORK

ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Sandor

Report Date: 11/16/2012

Client Project ID: Rowe Industries

York Project (SDG) No.: 12K0152

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 11/16/2012
Client Project ID: Rowe Industries
York Project (SDG) No.: 12K0152

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Tunde 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 November 07, 2012 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>
12K0152-01	WQ110512:1040NP2-6	Water	11/05/2012	11/07/2012
12K0152-02	WQ110512:1045NP2-7	Water	11/05/2012	11/07/2012
12K0154-01	WQ110512:1050NP2-10	Water	11/05/2012	11/07/2012

General Notes for York Project (SDG) No.: 12K0152

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:



Date: 11/16/2012

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

Sample Information

Client Sample ID: WQ110512:1040NP2-6

York Sample ID: 12K0152-01

York Project (SDG) No.
12K0152

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 5, 2012 10:40 am

Date Received
11/07/2012

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	11/14/2012 12:20	11/15/2012 05:30	SS
71-55-6	1,1,1-Trichloroethane	0.71		ug/L	0.024	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
75-34-3	1,1-Dichloroethane	0.34	J	ug/L	0.044	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS

Sample Information

Client Sample ID: WQ110512:1040NP2-6

York Sample ID: 12K0152-01

York Project (SDG) No.
12K0152

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 5, 2012 10:40 am

Date Received
11/07/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
67-66-3	Chloroform	0.25	J	ug/L	0.079	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
127-18-4	Tetrachloroethylene	0.70		ug/L	0.070	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
79-01-6	Trichloroethylene	0.11	J	ug/L	0.071	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 05:30	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.8 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	96.3 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	102 %	81.2-127								

Sample Information

Client Sample ID: WQ110512:1040NP2-6

York Sample ID: 12K0152-01

York Project (SDG) No.
12K0152

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 5, 2012 10:40 am

Date Received
11/07/2012

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	0.0601		mg/L	0.0100	0.0200	1	EPA SW846-6010B	11/08/2012 12:31	11/08/2012 20:42	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	0.823		mg/L	0.0100	0.0200	1	EPA 200.7	11/08/2012 12:31	11/08/2012 20:47	MW

Sample Information

Client Sample ID: WQ110512:1045NP2-7

York Sample ID: 12K0152-02

York Project (SDG) No.
12K0152

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 5, 2012 10:45 am

Date Received
11/07/2012

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	11/14/2012 12:20	11/15/2012 06:06	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS

Sample Information

Client Sample ID: WQ110512:1045NP2-7

York Sample ID: 12K0152-02

York Project (SDG) No.
12K0152

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 5, 2012 10:45 am

Date Received
11/07/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
67-64-1	Acetone	1.7	J, B	ug/L	0.90	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS

Sample Information

Client Sample ID: WQ110512:1045NP2-7

York Sample ID: 12K0152-02

York Project (SDG) No.
12K0152

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 5, 2012 10:45 am

Date Received
11/07/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:06	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	95.0 %	72.6-129
460-00-4	Surrogate: p-Bromofluorobenzene	94.8 %	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	0.0490		mg/L	0.0100	0.0200	1	EPA SW846-6010B	11/08/2012 12:31	11/08/2012 20:52	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	0.611		mg/L	0.0100	0.0200	1	EPA 200.7	11/08/2012 12:31	11/08/2012 20:58	MW

Sample Information

Client Sample ID: WQ110512:1050NP2-10

York Sample ID: 12K0154-01

York Project (SDG) No.
12K0154

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 5, 2012 10:50 am

Date Received
11/07/2012

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	11/14/2012 12:20	11/15/2012 06:42	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	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	11/14/2012 12:20	11/15/2012 06:42	SS

Sample Information

Client Sample ID: WQ110512:1050NP2-10

York Sample ID: 12K0154-01

York Project (SDG) No.
12K0154

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 5, 2012 10:50 am

Date Received
11/07/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS

Sample Information

Client Sample ID: WQ110512:1050NP2-10

York Sample ID: 12K0154-01

York Project (SDG) No.
12K0154

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 5, 2012 10:50 am

Date Received
11/07/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	11/14/2012 12:20	11/15/2012 06:42	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.6 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	93.2 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	103 %	81.2-127								

Sample Information

Client Sample ID: WQ110512:1050NP2-10

York Sample ID: 12K0154-01

York Project (SDG) No.
12K0154

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 5, 2012 10:50 am

Date Received
11/07/2012

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	0.0478		mg/L	0.0100	0.0200	1	EPA SW846-6010B	11/12/2012 09:00	11/12/2012 11:29	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	1.82		mg/L	0.0100	0.0200	1	EPA 200.7	11/12/2012 09:00	11/12/2012 11:48	MW

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	107		mg/L	1.00	1.00	1	SM 2540C	11/09/2012 09:12	11/09/2012 09:12	ALD

Analytical Batch Summary

Batch ID: BK20309

Preparation Method: EPA 3010A

Prepared By: AMC

YORK Sample ID	Client Sample ID	Preparation Date
12K0152-01	WQ110512:1040NP2-6	11/08/12
12K0152-01	WQ110512:1040NP2-6	11/08/12
12K0152-02	WQ110512:1045NP2-7	11/08/12
12K0152-02	WQ110512:1045NP2-7	11/08/12
BK20309-BLK1	Blank	11/08/12
BK20309-SRM1	Reference	11/08/12

Batch ID: BK20312

Preparation Method: % Solids Prep

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
12K0154-01	WQ110512:1050NP2-10	11/09/12
BK20312-BLK1	Blank	11/09/12
BK20312-DUP1	Duplicate	11/09/12

Batch ID: BK20394

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
12K0154-01	WQ110512:1050NP2-10	11/12/12
12K0154-01	WQ110512:1050NP2-10	11/12/12
BK20394-BLK1	Blank	11/12/12
BK20394-BLK1	Blank	11/12/12
BK20394-SRM1	Reference	11/12/12
BK20394-SRM1	Reference	11/12/12

Batch ID: BK20564

Preparation Method: EPA 5030B

Prepared By: EKM

YORK Sample ID	Client Sample ID	Preparation Date
12K0152-01	WQ110512:1040NP2-6	11/14/12
12K0152-02	WQ110512:1045NP2-7	11/14/12
12K0154-01	WQ110512:1050NP2-10	11/14/12
BK20564-BLK1	Blank	11/14/12
BK20564-BS1	LCS	11/14/12
BK20564-BSD1	LCS Dup	11/14/12

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 BK20564 - EPA 5030B

Blank (BK20564-BLK1)

Prepared: 11/14/2012 Analyzed: 11/15/2012

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	1.3	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	0.35	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK20564 - EPA 5030B

Blank (BK20564-BLK1)

Prepared: 11/14/2012 Analyzed: 11/15/2012

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

<i>Surrogate: 1,2-Dichloroethane-d4</i>	10.9		"	10.0		109	72.6-129			
<i>Surrogate: p-Bromofluorobenzene</i>	9.38		"	10.0		93.8	63.5-145			
<i>Surrogate: Toluene-d8</i>	10.3		"	10.0		103	81.2-127			

LCS (BK20564-BS1)

Prepared: 11/14/2012 Analyzed: 11/15/2012

1,1,1,2-Tetrachloroethane	9.41		ug/L	10.0		94.1	82.3-130			
1,1,1-Trichloroethane	11.0		"	10.0		110	75.6-137			
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	71.3-131			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4		"	10.0		114	71.1-129			
1,1,2-Trichloroethane	9.85		"	10.0		98.5	74.5-129			
1,1-Dichloroethane	10.7		"	10.0		107	79.6-132			
1,1-Dichloroethylene	11.1		"	10.0		111	80.2-146			
1,1-Dichloropropylene	9.90		"	10.0		99.0	75-136			
1,2,3-Trichlorobenzene	8.51		"	10.0		85.1	66.1-136			
1,2,3-Trichloropropane	9.51		"	10.0		95.1	63-131			
1,2,4-Trichlorobenzene	8.57		"	10.0		85.7	70.6-136			
1,2,4-Trimethylbenzene	9.52		"	10.0		95.2	75.3-135			
1,2-Dibromo-3-chloropropane	9.44		"	10.0		94.4	58.9-140			
1,2-Dibromoethane	9.96		"	10.0		99.6	79-130			
1,2-Dichlorobenzene	9.51		"	10.0		95.1	76.1-122			
1,2-Dichloroethane	10.7		"	10.0		107	74.6-132			
1,2-Dichloropropane	10.2		"	10.0		102	76.9-129			
1,3,5-Trimethylbenzene	10.1		"	10.0		101	70.6-127			
1,3-Dichlorobenzene	9.41		"	10.0		94.1	77-124			
1,3-Dichloropropane	9.88		"	10.0		98.8	75.8-126			
1,4-Dichlorobenzene	9.38		"	10.0		93.8	76.6-125			
2,2-Dichloropropane	8.89		"	10.0		88.9	69-133			
2-Chlorotoluene	9.90		"	10.0		99.0	66.3-119			
2-Hexanone	9.55		"	10.0		95.5	70-130			
4-Chlorotoluene	10.3		"	10.0		103	69.2-127			
Acetone	7.83		"	10.0		78.3	70-130			
Benzene	10.3		"	10.0		103	76.2-129			
Bromobenzene	9.78		"	10.0		97.8	71.3-123			
Bromochloromethane	10.1		"	10.0		101	70.8-137			
Bromodichloromethane	10.4		"	10.0		104	79.7-134			
Bromoform	8.47		"	10.0		84.7	70.5-141			
Bromomethane	10.4		"	10.0		104	43.9-147			
Carbon tetrachloride	10.8		"	10.0		108	78.1-138			
Chlorobenzene	9.90		"	10.0		99.0	80.4-125			
Chloroethane	10.8		"	10.0		108	55.8-140			
Chloroform	10.5		"	10.0		105	76.6-133			
Chloromethane	10.7		"	10.0		107	48.8-115			
cis-1,2-Dichloroethylene	10.3		"	10.0		103	75.1-128			
cis-1,3-Dichloropropylene	9.27		"	10.0		92.7	74.5-128			

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20564 - EPA 5030B										
LCS (BK20564-BS1)										
Prepared: 11/14/2012 Analyzed: 11/15/2012										
Dibromochloromethane	10.0		ug/L	10.0		100	79.8-134			
Dibromomethane	9.87		"	10.0		98.7	79-130			
Dichlorodifluoromethane	11.0		"	10.0		110	47.1-101	High Bias		
Ethyl Benzene	10.3		"	10.0		103	80.8-128			
Hexachlorobutadiene	7.68		"	10.0		76.8	64.8-128			
Isopropylbenzene	10.2		"	10.0		102	75.5-135			
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	65.1-140			
Methylene chloride	8.81		"	10.0		88.1	61.3-120			
Naphthalene	9.48		"	10.0		94.8	62.3-148			
n-Butylbenzene	9.77		"	10.0		97.7	67.2-123			
n-Propylbenzene	10.2		"	10.0		102	70.5-127			
o-Xylene	9.87		"	10.0		98.7	75.9-122			
p- & m- Xylenes	20.1		"	20.0		100	77.7-127			
p-Isopropyltoluene	10.1		"	10.0		101	75.6-129			
sec-Butylbenzene	10.4		"	10.0		104	71.5-125			
Styrene	9.90		"	10.0		99.0	77.8-123			
tert-Butylbenzene	9.49		"	10.0		94.9	75.9-151			
Tetrachloroethylene	8.65		"	10.0		86.5	63.6-167			
Toluene	9.54		"	10.0		95.4	77-123			
trans-1,2-Dichloroethylene	10.7		"	10.0		107	76.3-139			
trans-1,3-Dichloropropylene	10.1		"	10.0		101	72.5-137			
Trichloroethylene	10.0		"	10.0		100	77.9-130			
Trichlorofluoromethane	10.3		"	10.0		103	57.4-133			
Vinyl Chloride	11.2		"	10.0		112	54.9-124			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.79</i>		<i>"</i>	<i>10.0</i>		<i>97.9</i>	<i>72.6-129</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.21</i>		<i>"</i>	<i>10.0</i>		<i>92.1</i>	<i>63.5-145</i>			
<i>Surrogate: Toluene-d8</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>81.2-127</i>			

YORK

ANALYTICAL LABORATORIES, INC.

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source*		%REC Limits	Flag	RPD	
					Result	%REC			RPD	Limit
Batch BK20564 - EPA 5030B										
LCS Dup (BK20564-BSD1)										
							Prepared: 11/14/2012 Analyzed: 11/15/2012			
1,1,1,2-Tetrachloroethane	9.76		ug/L	10.0	97.6		82.3-130		3.65	21.1
1,1,1-Trichloroethane	11.6		"	10.0	116		75.6-137		4.96	19.7
1,1,2,2-Tetrachloroethane	10.2		"	10.0	102		71.3-131		0.790	20.8
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.5		"	10.0	125		71.1-129		9.28	21.7
1,1,2-Trichloroethane	10.5		"	10.0	105		74.5-129		6.77	20.3
1,1-Dichloroethane	11.0		"	10.0	110		79.6-132		2.77	20.6
1,1-Dichloroethylene	11.6		"	10.0	116		80.2-146		4.06	20
1,1-Dichloropropylene	10.4		"	10.0	104		75-136		4.54	19.3
1,2,3-Trichlorobenzene	8.80		"	10.0	88.0		66.1-136		3.35	21.6
1,2,3-Trichloropropane	9.80		"	10.0	98.0		63-131		3.00	23.9
1,2,4-Trichlorobenzene	8.67		"	10.0	86.7		70.6-136		1.16	21.7
1,2,4-Trimethylbenzene	8.71		"	10.0	87.1		75.3-135		8.89	18.8
1,2-Dibromo-3-chloropropane	9.27		"	10.0	92.7		58.9-140		1.82	27.7
1,2-Dibromoethane	10.3		"	10.0	103		79-130		3.55	23
1,2-Dichlorobenzene	9.70		"	10.0	97.0		76.1-122		1.98	19.8
1,2-Dichloroethane	11.1		"	10.0	111		74.6-132		3.68	20.2
1,2-Dichloropropane	10.6		"	10.0	106		76.9-129		3.17	20.7
1,3,5-Trimethylbenzene	10.2		"	10.0	102		70.6-127		1.38	18.9
1,3-Dichlorobenzene	9.83		"	10.0	98.3		77-124		4.37	19.2
1,3-Dichloropropane	10.1		"	10.0	101		75.8-126		1.81	22.1
1,4-Dichlorobenzene	9.66		"	10.0	96.6		76.6-125		2.94	18.6
2,2-Dichloropropane	9.49		"	10.0	94.9		69-133		6.53	19.8
2-Chlorotoluene	10.3		"	10.0	103		66.3-119		3.86	21.6
2-Hexanone	9.57		"	10.0	95.7		70-130		0.209	30
4-Chlorotoluene	10.5		"	10.0	105		69.2-127		1.92	19
Acetone	6.74		"	10.0	67.4		70-130	Low Bias	15.0	30
Benzene	10.9		"	10.0	109		76.2-129		5.09	19
Bromobenzene	10.1		"	10.0	101		71.3-123		3.42	20.3
Bromochloromethane	9.75		"	10.0	97.5		70.8-137		3.33	23.9
Bromodichloromethane	10.8		"	10.0	108		79.7-134		3.11	21
Bromoform	8.74		"	10.0	87.4		70.5-141		3.14	21.8
Bromomethane	8.53		"	10.0	85.3		43.9-147		19.6	28.4
Carbon tetrachloride	11.5		"	10.0	115		78.1-138		6.27	20.1
Chlorobenzene	10.4		"	10.0	104		80.4-125		4.73	19.9
Chloroethane	11.7		"	10.0	117		55.8-140		8.25	23.3
Chloroform	11.1		"	10.0	111		76.6-133		4.91	20.3
Chloromethane	11.7		"	10.0	117		48.8-115	High Bias	8.81	24.5
cis-1,2-Dichloroethylene	10.8		"	10.0	108		75.1-128		5.40	20.5
cis-1,3-Dichloropropylene	9.64		"	10.0	96.4		74.5-128		3.91	19.9
Dibromochloromethane	10.3		"	10.0	103		79.8-134		2.27	21.3
Dibromomethane	10.2		"	10.0	102		79-130		3.29	22.4
Dichlorodifluoromethane	11.8		"	10.0	118		47.1-101	High Bias	6.99	23.9
Ethyl Benzene	11.0		"	10.0	110		80.8-128		6.21	19.2
Hexachlorobutadiene	8.54		"	10.0	85.4		64.8-128		10.6	20.6
Isopropylbenzene	10.9		"	10.0	109		75.5-135		7.11	20
Methyl tert-butyl ether (MTBE)	10.4		"	10.0	104		65.1-140		0.191	23.6
Methylene chloride	9.01		"	10.0	90.1		61.3-120		2.24	20.4
Naphthalene	8.34		"	10.0	83.4		62.3-148		12.8	27.1
n-Butylbenzene	10.3		"	10.0	103		67.2-123		5.18	19.1
n-Propylbenzene	10.7		"	10.0	107		70.5-127		4.77	23.4
o-Xylene	10.4		"	10.0	104		75.9-122		5.04	19.3
p- & m- Xylenes	20.8		"	20.0	104		77.7-127		3.76	18.6
p-Isopropyltoluene	10.4		"	10.0	104		75.6-129		3.02	19.1
sec-Butylbenzene	11.0		"	10.0	110		71.5-125		5.80	18.9

YORK

ANALYTICAL LABORATORIES, INC.

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK20564 - EPA 5030B

LCS Dup (BK20564-BSD1)

Prepared: 11/14/2012 Analyzed: 11/15/2012

Styrene	8.36		ug/L	10.0		83.6 77.8-123		16.9	20.9	
tert-Butylbenzene	9.74		"	10.0		97.4 75.9-151		2.60	20.9	
Tetrachloroethylene	9.08		"	10.0		90.8 63.6-167		4.85	27.7	
Toluene	10.1		"	10.0		101 77-123		5.80	18.7	
trans-1,2-Dichloroethylene	11.2		"	10.0		112 76.3-139		5.21	19.5	
trans-1,3-Dichloropropylene	10.2		"	10.0		102 72.5-137		1.28	19.3	
Trichloroethylene	10.6		"	10.0		106 77.9-130		5.25	20.5	
Trichlorofluoromethane	12.0		"	10.0		120 57.4-133		15.3	21.4	
Vinyl Chloride	11.7		"	10.0		117 54.9-124		4.72	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.71</i>		<i>"</i>	<i>10.0</i>		<i>97.1 72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.21</i>		<i>"</i>	<i>10.0</i>		<i>92.1 63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104 81.2-127</i>				

YORK

ANALYTICAL LABORATORIES, INC.

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20394 - EPA 3010A											
Blank (BK20394-BLK1)								Prepared & Analyzed: 11/12/2012			
Iron - Dissolved	ND	0.0200	mg/L								
Reference (BK20394-SRM1)								Prepared & Analyzed: 11/12/2012			
Iron - Dissolved	0.244	0.0200	mg/L	0.274		89.0	86.9-115				

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 BK20309 - EPA 3010A											
Blank (BK20309-BLK1)											
								Prepared & Analyzed: 11/08/2012			
Iron	ND	0.0200	mg/L								
Reference (BK20309-SRM1)											
								Prepared & Analyzed: 11/08/2012			
Iron	0.226	0.0200	mg/L	0.274		82.5	86.9-115	Low Bias			
Batch BK20394 - EPA 3010A											
Blank (BK20394-BLK1)											
								Prepared & Analyzed: 11/12/2012			
Iron	ND	0.0200	mg/L								
Reference (BK20394-SRM1)											
								Prepared & Analyzed: 11/12/2012			
Iron	0.244	0.0200	mg/L	0.274		89.0	86.9-115				

Miscellaneous Physical/Conventional Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20312 - % Solids Prep										
Blank (BK20312-BLK1)							Prepared & Analyzed: 11/09/2012			
Total Dissolved Solids	ND	1.00	mg/L							
Duplicate (BK20312-DUP1)							Prepared & Analyzed: 11/09/2012			
*Source sample: 12K0154-01 (WQ110512:1050NP2-10)										
Total Dissolved Solids	115	1.00	mg/L		107			7.21	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
12K0152-01	WQ110512:1040NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
12K0152-02	WQ110512:1045NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
12K0154-01	WQ110512:1050NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

- QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
- B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

Field Chain-of-Custody Record

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

York Project No. 12 K0152

YOUR Information Company: <u>LBG</u> Address: <u>4 Research Dr. Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sandor</u> E-Mail Address: <u>TSandor@LBGCT.com</u>		Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR Project ID <u>Rowe Industries.</u> Purchase Order No. <u>HAB5A6.</u>		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		Report Type Summary Report <u>X</u> pdf Summary w/ QA Summary <u>X</u> pdf CT RCP Package CTRCP DQA/DUE Pkg NY ASPA Package NY ASP B Package <u>NP2-100aly</u> , pdf. NIDEP Red. Deliv. Electronic Data Deliverables (EDD)	
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Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature) _____
 STEPHEN HENAT
 Name (printed)

Matrix Codes	Volatiles	Semi-Vols.	Pest/Contam.	Metals	Misc. Org.	Full Lists	Misc.
S - soil Other - specify (oil, etc) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor	8260 full 624 STARS list BTX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list	8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NIJEP list App. IX TCLP BNA SPLP/TCLP	8082/PCB 8081/Pest 8151/Herb CT RCP App. IX Site Spec. SPLP/TCLP TCLP Pest TCLP Herb Chloridane 608 Pest 508 PCB	RCRA8 PF13 list TAL CT15 list TAGM list NIJEP list Total Dissolved SPLP/TCLP Index Metals LIST Below	TPH ORO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICS Methane Heliox	PH Poll. TCL Organics TAL MetCN Full TCLP Full App IX Part 360-Residue Part 360-Residue Part 360-Residue NYDEP-Sewer NYSDOC-Sewer TAGM Silica	Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterocyclics TOX BTU/lb. Aromatic Tox. NYDEP-Sewer TOC NYSDOC-Sewer Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ110512:1040NP2-6	11/5/12	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6108) / VOCs, P260 List (EPA SW 845-8260b) plus from 113	Zu ZP
WQ110512:1045NP2-7	1045	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6108) / VOCs	Zu ZP
WQ110512:1030NP2-10	1030	GW	P260 List (EPA SW 845-8260b) plus from 113 / TO5 (SH 2540C)	Zu ZP

Comments Preservation <input type="checkbox"/> those Applicable Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>	4°C <input type="checkbox"/> Frozen <input checked="" type="checkbox"/> HCl <input checked="" type="checkbox"/> MeOH <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> HNO ₃ <input checked="" type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> Other <input type="checkbox"/>	Samples Relinquished By: <u>Cherie</u> Date/Time: <u>11-7-12 10:00</u> Samples Received By: <u>J. Henat</u> Date/Time: <u>11/7/12-1300</u>	Temperature on Receipt: <u>4.4</u> °C
	Samples Relinquished By: _____ Date/Time: _____ Samples Received in LAB by: _____ Date/Time: _____		

YORK

ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 11/26/2012

Client Project ID: Rowe Industries

York Project (SDG) No.: 12K0475

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 11/26/2012
Client Project ID: Rowe Industries
York Project (SDG) No.: 12K0475

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 November 15, 2012 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>
12K0475-01	WQ111212:1020NP2-6	Water	11/12/2012	11/15/2012
12K0475-02	WQ111212:1025NP2-7	Water	11/12/2012	11/15/2012
12K0476-01	WQ111212:1030NP2-10	Water	11/12/2012	11/15/2012

General Notes for York Project (SDG) No.: 12K0475

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

Approved By:



Robert Q. Bradley
Laboratory Director

Date: 11/26/2012

YORK

Sample Information

Client Sample ID: WQ111212:1020NP2-6

York Sample ID: 12K0475-01

York Project (SDG) No.
12K0475

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 12, 2012 10:20 am

Date Received
11/15/2012

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	11/19/2012 15:32	11/20/2012 09:34	SS
71-55-6	1,1,1-Trichloroethane	0.50		ug/L	0.024	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
75-34-3	1,1-Dichloroethane	0.24	J	ug/L	0.044	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
67-64-1	Acetone	1.4	J, B	ug/L	0.90	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS

Sample Information

Client Sample ID: WQ111212:1020NP2-6

York Sample ID: 12K0475-01

York Project (SDG) No.
12K0475

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 12, 2012 10:20 am

Date Received
11/15/2012

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	11/19/2012 15:32	11/20/2012 09:34	SS
67-66-3	Chloroform	0.21	J	ug/L	0.079	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
127-18-4	Tetrachloroethylene	0.69		ug/L	0.070	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 09:34	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	85.8 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	95.2 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	102 %			81.2-127						

Sample Information

Client Sample ID: WQ111212:1020NP2-6

York Sample ID: 12K0475-01

York Project (SDG) No.
12K0475

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 12, 2012 10:20 am

Date Received
11/15/2012

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	11/16/2012 14:07	11/16/2012 16:21	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	9.83		mg/L	0.0100	0.0200	1	EPA 200.7	11/16/2012 14:07	11/16/2012 16:27	MW

Sample Information

Client Sample ID: WQ111212:1025NP2-7

York Sample ID: 12K0475-02

York Project (SDG) No.
12K0475

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 12, 2012 10:25 am

Date Received
11/15/2012

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	11/19/2012 15:32	11/20/2012 10:10	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS

Sample Information

Client Sample ID: WQ111212:1025NP2-7

York Sample ID: 12K0475-02

York Project (SDG) No.
12K0475

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 12, 2012 10:25 am

Date Received
11/15/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
67-64-1	Acetone	1.7	J, B	ug/L	0.90	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS

Sample Information

Client Sample ID: WQ111212:1025NP2-7

York Sample ID: 12K0475-02

York Project (SDG) No.
12K0475

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 12, 2012 10:25 am

Date Received
11/15/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:10	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.4 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	95.8 %			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	ND		mg/L	0.0100	0.0200	1	EPA SW846-6010B	11/16/2012 14:07	11/16/2012 16:32	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	12.2		mg/L	0.0100	0.0200	1	EPA 200.7	11/16/2012 14:07	11/16/2012 16:37	MW

Sample Information

Client Sample ID: WQ111212:1030NP2-10

York Sample ID: 12K0476-01

York Project (SDG) No.
12K0476

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 12, 2012 10:30 am

Date Received
11/15/2012

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	11/19/2012 15:32	11/20/2012 10:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS

Sample Information

Client Sample ID: WQ111212:1030NP2-10

York Sample ID: 12K0476-01

York Project (SDG) No.
12K0476

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 12, 2012 10:30 am

Date Received
11/15/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
67-64-1	Acetone	1.9	J, B	ug/L	0.90	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS

Sample Information

Client Sample ID: WQ111212:1030NP2-10

York Sample ID: 12K0476-01

York Project (SDG) No.
12K0476

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 12, 2012 10:30 am

Date Received
11/15/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	11/19/2012 15:32	11/20/2012 10:46	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.7 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	92.3 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	102 %	81.2-127								

Sample Information

Client Sample ID: WQ111212:1030NP2-10

York Sample ID: 12K0476-01

York Project (SDG) No.
12K0476

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 12, 2012 10:30 am

Date Received
11/15/2012

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	0.0244		mg/L	0.0100	0.0200	1	EPA SW846-6010B	11/16/2012 14:07	11/16/2012 16:43	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	18.9		mg/L	0.0100	0.0200	1	EPA 200.7	11/16/2012 14:07	11/16/2012 17:16	MW

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	103		mg/L	1.00	1.00	1	SM 2540C	11/19/2012 08:25	11/20/2012 08:25	ALD

Analytical Batch Summary

Batch ID: BK20676

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
12K0475-01	WQ111212:1020NP2-6	11/16/12
12K0475-01	WQ111212:1020NP2-6	11/16/12
12K0475-02	WQ111212:1025NP2-7	11/16/12
12K0475-02	WQ111212:1025NP2-7	11/16/12
12K0476-01	WQ111212:1030NP2-10	11/16/12
12K0476-01	WQ111212:1030NP2-10	11/16/12
BK20676-BLK1	Blank	11/16/12
BK20676-BLK1	Blank	11/16/12
BK20676-DUP1	Duplicate	11/16/12
BK20676-DUP1	Duplicate	11/16/12
BK20676-MS1	Matrix Spike	11/16/12
BK20676-MS1	Matrix Spike	11/16/12
BK20676-SRM1	Reference	11/16/12
BK20676-SRM1	Reference	11/16/12

Batch ID: BK20682

Preparation Method: % Solids Prep

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
12K0476-01	WQ111212:1030NP2-10	11/19/12
BK20682-BLK1	Blank	11/19/12
BK20682-DUP1	Duplicate	11/19/12

Batch ID: BK20727

Preparation Method: EPA 5030B

Prepared By: AY

YORK Sample ID	Client Sample ID	Preparation Date
12K0475-01	WQ111212:1020NP2-6	11/19/12
12K0475-02	WQ111212:1025NP2-7	11/19/12
12K0476-01	WQ111212:1030NP2-10	11/19/12
BK20727-BLK1	Blank	11/19/12
BK20727-BS1	LCS	11/19/12
BK20727-BSD1	LCS Dup	11/19/12

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 BK20727 - EPA 5030B

Blank (BK20727-BLK1)

Prepared: 11/19/2012 Analyzed: 11/20/2012

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	1.3	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	Flag	RPD		
		Limit			Result	Limits		RPD	Limit	Flag
Batch BK20727 - EPA 5030B										
Blank (BK20727-BLK1)										
Prepared: 11/19/2012 Analyzed: 11/20/2012										
Styrene	ND	0.50	ug/L							
tert-Butylbenzene	ND	0.50	"							
Tetrachloroethylene	ND	0.50	"							
Toluene	ND	0.50	"							
trans-1,2-Dichloroethylene	ND	0.50	"							
trans-1,3-Dichloropropylene	ND	0.50	"							
Trichloroethylene	ND	0.50	"							
Trichlorofluoromethane	ND	0.50	"							
Vinyl Chloride	ND	0.50	"							
Xylenes, Total	ND	1.5	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	10.4		"	10.0		104		72.6-129		
<i>Surrogate: p-Bromofluorobenzene</i>	9.67		"	10.0		96.7		63.5-145		
<i>Surrogate: Toluene-d8</i>	9.90		"	10.0		99.0		81.2-127		
LCS (BK20727-BS1)										
Prepared: 11/19/2012 Analyzed: 11/20/2012										
1,1,1,2-Tetrachloroethane	9.54		ug/L	10.0		95.4		82.3-130		
1,1,1-Trichloroethane	9.11		"	10.0		91.1		75.6-137		
1,1,2,2-Tetrachloroethane	11.3		"	10.0		113		71.3-131		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.81		"	10.0		98.1		71.1-129		
1,1,2-Trichloroethane	10.4		"	10.0		104		74.5-129		
1,1-Dichloroethane	9.88		"	10.0		98.8		79.6-132		
1,1-Dichloroethylene	9.72		"	10.0		97.2		80.2-146		
1,1-Dichloropropylene	8.92		"	10.0		89.2		75-136		
1,2,3-Trichlorobenzene	9.01		"	10.0		90.1		66.1-136		
1,2,3-Trichloropropane	10.6		"	10.0		106		63-131		
1,2,4-Trichlorobenzene	9.21		"	10.0		92.1		70.6-136		
1,2,4-Trimethylbenzene	9.84		"	10.0		98.4		75.3-135		
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104		58.9-140		
1,2-Dibromoethane	10.0		"	10.0		100		79-130		
1,2-Dichlorobenzene	10.2		"	10.0		102		76.1-122		
1,2-Dichloroethane	9.95		"	10.0		99.5		74.6-132		
1,2-Dichloropropane	10.5		"	10.0		105		76.9-129		
1,3,5-Trimethylbenzene	10.2		"	10.0		102		70.6-127		
1,3-Dichlorobenzene	9.81		"	10.0		98.1		77-124		
1,3-Dichloropropane	10.2		"	10.0		102		75.8-126		
1,4-Dichlorobenzene	9.82		"	10.0		98.2		76.6-125		
2,2-Dichloropropane	7.83		"	10.0		78.3		69-133		
2-Chlorotoluene	10.6		"	10.0		106		66.3-119		
2-Hexanone	10.7		"	10.0		107		70-130		
4-Chlorotoluene	10.5		"	10.0		105		69.2-127		
Acetone	8.99		"	10.0		89.9		70-130		
Benzene	9.90		"	10.0		99.0		76.2-129		
Bromobenzene	9.93		"	10.0		99.3		71.3-123		
Bromochloromethane	10.0		"	10.0		100		70.8-137		
Bromodichloromethane	10.4		"	10.0		104		79.7-134		
Bromoform	10.1		"	10.0		101		70.5-141		
Bromomethane	4.43		"	10.0		44.3		43.9-147		
Carbon tetrachloride	9.09		"	10.0		90.9		78.1-138		
Chlorobenzene	9.95		"	10.0		99.5		80.4-125		
Chloroethane	8.93		"	10.0		89.3		55.8-140		
Chloroform	9.49		"	10.0		94.9		76.6-133		
Chloromethane	10.4		"	10.0		104		48.8-115		
cis-1,2-Dichloroethylene	9.43		"	10.0		94.3		75.1-128		
cis-1,3-Dichloropropylene	9.05		"	10.0		90.5		74.5-128		

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20727 - EPA 5030B										
LCS (BK20727-BS1)										
Prepared: 11/19/2012 Analyzed: 11/20/2012										
Dibromochloromethane	10.2		ug/L	10.0		102			79.8-134	
Dibromomethane	10.1		"	10.0		101			79-130	
Dichlorodifluoromethane	6.09		"	10.0		60.9			47.1-101	
Ethyl Benzene	10.3		"	10.0		103			80.8-128	
Hexachlorobutadiene	8.81		"	10.0		88.1			64.8-128	
Isopropylbenzene	10.5		"	10.0		105			75.5-135	
Methyl tert-butyl ether (MTBE)	9.79		"	10.0		97.9			65.1-140	
Methylene chloride	9.32		"	10.0		93.2			61.3-120	
Naphthalene	10.6		"	10.0		106			62.3-148	
n-Butylbenzene	10.2		"	10.0		102			67.2-123	
n-Propylbenzene	10.8		"	10.0		108			70.5-127	
o-Xylene	9.92		"	10.0		99.2			75.9-122	
p- & m- Xylenes	20.3		"	20.0		101			77.7-127	
p-Isopropyltoluene	10.3		"	10.0		103			75.6-129	
sec-Butylbenzene	10.6		"	10.0		106			71.5-125	
Styrene	9.49		"	10.0		94.9			77.8-123	
tert-Butylbenzene	10.6		"	10.0		106			75.9-151	
Tetrachloroethylene	8.56		"	10.0		85.6			63.6-167	
Toluene	9.99		"	10.0		99.9			77-123	
trans-1,2-Dichloroethylene	9.53		"	10.0		95.3			76.3-139	
trans-1,3-Dichloropropylene	9.55		"	10.0		95.5			72.5-137	
Trichloroethylene	9.96		"	10.0		99.6			77.9-130	
Trichlorofluoromethane	8.33		"	10.0		83.3			57.4-133	
Vinyl Chloride	10.0		"	10.0		100			54.9-124	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.77		"	10.0		97.7			72.6-129	
<i>Surrogate: p-Bromofluorobenzene</i>	9.36		"	10.0		93.6			63.5-145	
<i>Surrogate: Toluene-d8</i>	9.66		"	10.0		96.6			81.2-127	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Flag	RPD		
		Limit			Level	Result		Limits	RPD	Limit
Batch BK20727 - EPA 5030B										
LCS Dup (BK20727-BSD1)										
Prepared: 11/19/2012 Analyzed: 11/20/2012										
1,1,1,2-Tetrachloroethane	9.47		ug/L	10.0		94.7		82.3-130	0.736	21.1
1,1,1-Trichloroethane	9.08		"	10.0		90.8		75.6-137	0.330	19.7
1,1,2,2-Tetrachloroethane	11.1		"	10.0		111		71.3-131	1.52	20.8
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.79		"	10.0		97.9		71.1-129	0.204	21.7
1,1,2-Trichloroethane	10.4		"	10.0		104		74.5-129	0.0963	20.3
1,1-Dichloroethane	10.2		"	10.0		102		79.6-132	3.09	20.6
1,1-Dichloroethylene	9.39		"	10.0		93.9		80.2-146	3.45	20
1,1-Dichloropropylene	8.97		"	10.0		89.7		75-136	0.559	19.3
1,2,3-Trichlorobenzene	9.10		"	10.0		91.0		66.1-136	0.994	21.6
1,2,3-Trichloropropane	10.5		"	10.0		105		63-131	0.662	23.9
1,2,4-Trichlorobenzene	9.16		"	10.0		91.6		70.6-136	0.544	21.7
1,2,4-Trimethylbenzene	10.1		"	10.0		101		75.3-135	2.81	18.8
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102		58.9-140	1.84	27.7
1,2-Dibromoethane	10.2		"	10.0		102		79-130	1.78	23
1,2-Dichlorobenzene	10.1		"	10.0		101		76.1-122	1.09	19.8
1,2-Dichloroethane	10.0		"	10.0		100		74.6-132	0.801	20.2
1,2-Dichloropropane	10.3		"	10.0		103		76.9-129	1.83	20.7
1,3,5-Trimethylbenzene	10.2		"	10.0		102		70.6-127	0.00	18.9
1,3-Dichlorobenzene	9.81		"	10.0		98.1		77-124	0.00	19.2
1,3-Dichloropropane	10.2		"	10.0		102		75.8-126	0.980	22.1
1,4-Dichlorobenzene	9.62		"	10.0		96.2		76.6-125	2.06	18.6
2,2-Dichloropropane	7.71		"	10.0		77.1		69-133	1.54	19.8
2-Chlorotoluene	9.91		"	10.0		99.1		66.3-119	6.54	21.6
2-Hexanone	10.7		"	10.0		107		70-130	0.0932	30
4-Chlorotoluene	10.6		"	10.0		106		69.2-127	0.285	19
Acetone	11.0		"	10.0		110		70-130	19.9	30
Benzene	9.73		"	10.0		97.3		76.2-129	1.73	19
Bromobenzene	9.72		"	10.0		97.2		71.3-123	2.14	20.3
Bromochloromethane	9.96		"	10.0		99.6		70.8-137	0.700	23.9
Bromodichloromethane	10.1		"	10.0		101		79.7-134	3.11	21
Bromoform	9.77		"	10.0		97.7		70.5-141	2.92	21.8
Bromomethane	10.6		"	10.0		106		43.9-147	81.9	28.4
Carbon tetrachloride	8.91		"	10.0		89.1		78.1-138	2.00	20.1
Chlorobenzene	9.78		"	10.0		97.8		80.4-125	1.72	19.9
Chloroethane	8.96		"	10.0		89.6		55.8-140	0.335	23.3
Chloroform	9.63		"	10.0		96.3		76.6-133	1.46	20.3
Chloromethane	10.3		"	10.0		103		48.8-115	1.06	24.5
cis-1,2-Dichloroethylene	9.55		"	10.0		95.5		75.1-128	1.26	20.5
cis-1,3-Dichloropropylene	8.82		"	10.0		88.2		74.5-128	2.57	19.9
Dibromochloromethane	10.2		"	10.0		102		79.8-134	0.784	21.3
Dibromomethane	9.99		"	10.0		99.9		79-130	1.29	22.4
Dichlorodifluoromethane	6.03		"	10.0		60.3		47.1-101	0.990	23.9
Ethyl Benzene	10.1		"	10.0		101		80.8-128	1.86	19.2
Hexachlorobutadiene	8.50		"	10.0		85.0		64.8-128	3.58	20.6
Isopropylbenzene	10.2		"	10.0		102		75.5-135	3.19	20
Methyl tert-butyl ether (MTBE)	9.99		"	10.0		99.9		65.1-140	2.02	23.6
Methylene chloride	9.48		"	10.0		94.8		61.3-120	1.70	20.4
Naphthalene	11.1		"	10.0		111		62.3-148	5.06	27.1
n-Butylbenzene	9.92		"	10.0		99.2		67.2-123	2.59	19.1
n-Propylbenzene	10.5		"	10.0		105		70.5-127	3.47	23.4
o-Xylene	9.79		"	10.0		97.9		75.9-122	1.32	19.3
p- & m- Xylenes	20.5		"	20.0		103		77.7-127	1.27	18.6
p-Isopropyltoluene	10.1		"	10.0		101		75.6-129	1.66	19.1
sec-Butylbenzene	10.3		"	10.0		103		71.5-125	2.78	18.9

Non-dir.

YORK

ANALYTICAL LABORATORIES, INC.

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK20727 - EPA 5030B

LCS Dup (BK20727-BSD1)

Prepared: 11/19/2012 Analyzed: 11/20/2012

Styrene	10.0		ug/L	10.0		100	77.8-123		5.43	20.9	
tert-Butylbenzene	10.4		"	10.0		104	75.9-151		2.29	20.9	
Tetrachloroethylene	8.24		"	10.0		82.4	63.6-167		3.81	27.7	
Toluene	9.71		"	10.0		97.1	77-123		2.84	18.7	
trans-1,2-Dichloroethylene	9.56		"	10.0		95.6	76.3-139		0.314	19.5	
trans-1,3-Dichloropropylene	9.37		"	10.0		93.7	72.5-137		1.90	19.3	
Trichloroethylene	9.47		"	10.0		94.7	77.9-130		5.04	20.5	
Trichlorofluoromethane	8.16		"	10.0		81.6	57.4-133		2.06	21.4	
Vinyl Chloride	9.93		"	10.0		99.3	54.9-124		1.10	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.45</i>		<i>"</i>	<i>10.0</i>		<i>94.5</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.69</i>		<i>"</i>	<i>10.0</i>		<i>96.9</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 BK20676 - EPA 3010A											
Blank (BK20676-BLK1)							Prepared & Analyzed: 11/16/2012				
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BK20676-DUP1)							Prepared & Analyzed: 11/16/2012				
	*Source sample: 12K0476-01 (WQ111212:1030NP2-10)										
Iron - Dissolved	0.0171	0.0200	mg/L		0.0244				35.1	20	Non-dir.
Matrix Spike (BK20676-MS1)							Prepared & Analyzed: 11/16/2012				
	*Source sample: 12K0476-01 (WQ111212:1030NP2-10)										
Iron - Dissolved	1.04	0.0200	mg/L	1.00	0.0244	101	75-125				
Reference (BK20676-SRM1)							Prepared & Analyzed: 11/16/2012				
Iron - Dissolved	0.433	0.0200	mg/L	0.462		93.7	87.9-114				

YORK

ANALYTICAL LABORATORIES, INC.

Metals by EPA 200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20676 - EPA 3010A											
Blank (BK20676-BLK1)											
								Prepared & Analyzed: 11/16/2012			
Iron	ND	0.0200	mg/L								
Duplicate (BK20676-DUP1)											
								Prepared & Analyzed: 11/16/2012			
Iron	19.1	0.0200	mg/L		18.9				1.18	20	
Matrix Spike (BK20676-MS1)											
								Prepared & Analyzed: 11/16/2012			
Iron	20.2	0.0200	mg/L	1.00	18.9	134	75-125	High Bias			
Reference (BK20676-SRM1)											
								Prepared & Analyzed: 11/16/2012			
Iron	0.433	0.0200	mg/L	0.462		93.7	87.9-114				

Miscellaneous Physical/Conventional Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20682 - % Solids Prep										
Blank (BK20682-BLK1)										
							Prepared: 11/19/2012 Analyzed: 11/20/2012			
Total Dissolved Solids	ND	1.00	mg/L							
Duplicate (BK20682-DUP1)										
							Prepared: 11/19/2012 Analyzed: 11/20/2012			
Total Dissolved Solids	97.0	1.00	mg/L		103			6.00	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
12K0475-01	WQ111212:1020NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
12K0475-02	WQ111212:1025NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
12K0476-01	WQ111212:1030NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

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

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

For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

YORK

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

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. 12K0475

YOUR INFORMATION Company: <u>LBG</u> Address: <u>4 Research Dr. Suite 301</u> <u>Shelton, CT 06484</u> Phone No: <u>203-929-8555</u> Contact Person: <u>Tunde Sandor</u> E-Mail Address: <u>TSandor@lbgct.com</u>		Report To: Company: <u>Same</u> Address: _____ Phone No: _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Same</u> Address: _____ Phone No: _____ Attention: _____ E-Mail Address: _____		YOUR PROJECT ID <u>Apwe Industries</u> Purchase Order No. <u>NABSA6</u>		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		Report Type Summary Report <u>X</u> , pdf Summary w/ QA Summary <u>X</u> , pdf CT RCP Package CT RCP DQ/ADUE Pkg. NY ASP A Package NY ASP B Package <u>NE2-10 only</u> , pdf NIDEP Red. Deliv. Electronic Data Deliverables (EDD)	
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Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Volatiles 8260 full 624 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCLP list NIDEP list App. IX TCLP BNA SPL or TCLP 8071B list	Semis-Vols 8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCLP list NIDEP list App. IX TCLP BNA SPL or TCLP 8071B list	Metals RCRA8 PP13 list TAL CT15 list TAGM list NIDEP list Total Dissolved SPL or TCLP Ind. Metals LIST Below	Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Medicine Helium	Full Lists Pri. Poll. TCL Organs TAL-MedCN Full TCLP Full App. IX Pri 360-House Pri 360-Indus Pri 360-Env NY CDEP Sewer NY DEC Sewer Adhesives TAGM Silica	Misc. Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterocyclics TOX BTU/Lib. Aquatic Tox. TOC Adhesives Silica
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Matrix Codes
 S - soil
 Other - specify (oil, etc.)
 WW - wastewater
 GW - groundwater
 DW - drinking water
 Air-A - ambient air
 Air-SV - soil vapor

Samples Collected/Authorized By (Signature)

 Name (printed)
STEPHEN HMAI

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ111212-102DNF2-6	11/12/12 1020	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SWP46-6010B) / VOCs, P260 List (EPA SWP45-8260B) plus from 113	2x 2P
WQ111212-102SNF2-7	1025	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SWP46-6010B) / VOCs, P260 List (EPA SWP45-8260A) plus from 113 / TDS (SH 2540C)	2x 2P
WQ111212-1030NF2-10	1030	GW		2x 3P

4°C _____ Frozen _____ HCl _____ MeOH _____ HNO ₃ _____ H ₂ O _____ NaOH _____ ZnAc _____ Ascorbic Acid _____ Other _____	Samples Relinquished By <u>TSandor</u> Date/Time <u>11/15/12 12:06</u> Samples Received By <u>J. HMAI</u> Date/Time <u>11/15/12-13:26</u>	Temperature on Receipt <u>4.2</u> °C
Preservation Check those Applicable Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>	Samples Relinquished By _____ Date/Time _____ Samples Received in LAB By _____ Date/Time _____	

YORK

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

Field Chain-of-Custody Record

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

York Project No. 12K0476

YOUR INFORMATION Company: <u>LBG</u> Address: <u>4 Research Dr, Suite 301 Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sandor</u> E-Mail Address: <u>TSandor@lbgct.com</u>		Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR PROJECT ID <u>Rowe Industries</u> Purchase Order No. <u>NAB5A6</u>		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		Report Type Summary Report <u>X</u> , pdf Summary w/ QA summary <u>X</u> , pdf CT RCP Package CT RCP DOA/DUE Pkg NY ASP A Package NY ASP B Package <u>NE2-10 only</u> , pdf NUDEP Red. Deliv. Electronic Data Deliverables (EDD)	
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Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

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

Volatiles:
 8260 full TICs
 624 Site Spec
 STARS list Nassau Co.
 BTX Suffolk Co.
 MTBE
 TCL list Oxygenates
 TAGM list
 CT RCP list
 Arom. only 502.2
 Halog. only
 App. IX
 8021B list

Semi-Vols. Post-Content:
 8270 or 625
 STARS list
 BN Only
 Acids Only
 PAH list
 TAGM list
 CT RCP list
 TCL list
 NIDEP list
 App. IX
 TCLP BNA
 SLP or TCLP

Metals:
 RCRA8
 PP13 list
 TAL
 CT15 list
 TAGM list
 NIDEP list
 Total
 Dissolved
 SLP or TCLP
 TCLP Herb
 Chloridane
 608 Pest
 LIST Below
 Heptan

Misc. Org. Full Lists Misc.
 TPH GRO
 TPH DRO
 CT ETPH
 NY 310-13
 Full App IX
 TPH 1664
 Air TO14A
 Air TO15
 Air STARS
 Air VPH
 Air TICs
 Medicine
 Heptan

Other:
 Corrosivity
 Reactivity
 Ignitability
 Flash Point
 Steam Anal.
 Heterocyclics
 TOX
 BTU/b.
 Aquatic Tox
 NYDEP Sewer
 TOC
 Asbestos
 Silica

Other:
 York Regulatory Comparison
 Excel Spreadsheet
 Compare to the following Regs. (please fill in):

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)	Temperature on Receipt
WQ111212: 102DNF2-6	11/12/12 1020	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010B) / VOCs, P260 List (EPA SW 845-8260B) plus Fe on 113	2x 2P	
WQ111212: 1025NF2-7	1025	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010B) / VOCs	2x 2P	
WQ111212: 1030NF2-10	1030	GW	P260 List (EPA SW 845-8260B) plus Fe on 113 / TO5 (SH 2540C)	2x 3P	
Comments: <u>Same as before</u> 4°C _____ Frozen _____ HCl _____ MeOH _____ HNO ₃ _____ H ₂ O _____ NaOH _____ ZnAc _____ Ascorbic Acid _____ Other _____ Samples Relinquished By: <u>TSandor</u> Date/Time: <u>11/15/12 1026</u> Samples Relinquished By: <u>TSandor</u> Date/Time: <u>11/15/12 1326</u> Samples Received By: <u>TSandor</u> Date/Time: <u>11/15/12-1510</u> Samples Received in LAB by: _____ Date/Time: _____					

YORK

ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 12/04/2012

Client Project ID: Rowe Industries

York Project (SDG) No.: 12K0639

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 12/04/2012
Client Project ID: Rowe Industries
York Project (SDG) No.: 12K0639

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 November 21, 2012 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>
12K0639-01	WQ111912:1030NP2-6	Water	11/19/2012	11/21/2012
12K0639-02	WQ111912:1035NP2-7	Water	11/19/2012	11/21/2012
12K0640-01	WQ111912:1040NP2-10	Water	11/19/2012	11/21/2012

General Notes for York Project (SDG) No.: 12K0639

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

Approved By:



Robert Q. Bradley
Laboratory Director

Date: 12/04/2012

YORK

Sample Information

Client Sample ID: WQ111912:1030NP2-6

York Sample ID: 12K0639-01

York Project (SDG) No.
12K0639

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 19, 2012 10:30 am

Date Received
11/21/2012

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	11/30/2012 10:49	11/30/2012 17:21	SS
71-55-6	1,1,1-Trichloroethane	0.77		ug/L	0.024	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
75-34-3	1,1-Dichloroethane	0.40	J	ug/L	0.044	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
87-61-6	1,2,3-Trichlorobenzene	0.35	VOA-CO, J	ug/L	0.12	2.0	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
120-82-1	1,2,4-Trichlorobenzene	0.26	VOA-CO, J	ug/L	0.11	2.0	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
95-63-6	1,2,4-Trimethylbenzene	0.13	VOA-CO, J	ug/L	0.068	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
95-50-1	1,2-Dichlorobenzene	0.17	VOA-CO, J	ug/L	0.071	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
108-67-8	1,3,5-Trimethylbenzene	0.11	VOA-CO, J	ug/L	0.059	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
541-73-1	1,3-Dichlorobenzene	0.15	VOA-CO, J	ug/L	0.048	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
106-46-7	1,4-Dichlorobenzene	0.16	VOA-CO, J	ug/L	0.048	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
95-49-8	2-Chlorotoluene	0.10	VOA-CO, J	ug/L	0.084	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
106-43-4	4-Chlorotoluene	0.11	VOA-CO, J	ug/L	0.072	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS

Sample Information

Client Sample ID: WQ111912:1030NP2-6

York Sample ID: 12K0639-01

York Project (SDG) No.
12K0639

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 19, 2012 10:30 am

Date Received
11/21/2012

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
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
67-66-3	Chloroform	0.31	J	ug/L	0.079	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
87-68-3	Hexachlorobutadiene	0.29	VOA-CO , J	ug/L	0.12	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
98-82-8	Isopropylbenzene	0.12	VOA-CO , J	ug/L	0.056	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
91-20-3	Naphthalene	0.62	VOA-CO , J	ug/L	0.090	2.0	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
104-51-8	n-Butylbenzene	0.23	VOA-CO , J	ug/L	0.083	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
103-65-1	n-Propylbenzene	0.13	VOA-CO , J	ug/L	0.068	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
1330-20-7P/M	p- & m- Xylenes	0.11	VOA-CO , J	ug/L	0.090	1.0	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
99-87-6	p-Isopropyltoluene	0.18	VOA-CO , J	ug/L	0.044	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
135-98-8	sec-Butylbenzene	0.20	VOA-CO , J	ug/L	0.050	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
98-06-6	tert-Butylbenzene	0.12	VOA-CO , J	ug/L	0.050	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
127-18-4	Tetrachloroethylene	0.79		ug/L	0.070	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
79-01-6	Trichloroethylene	0.14	J	ug/L	0.071	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS

Sample Information

Client Sample ID: WQ111912:1030NP2-6

York Sample ID: 12K0639-01

York Project (SDG) No.
12K0639

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 19, 2012 10:30 am

Date Received
11/21/2012

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
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
1330-20-7	Xylenes, Total	ND	VOA-C O	ug/L	0.12	1.5	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:21	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	120 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	103 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	98.6 %			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	11/27/2012 16:03	11/27/2012 17:48	MW

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.801		mg/L	0.0100	0.0200	1	EPA 200.7	11/27/2012 16:03	11/27/2012 17:53	MW

Sample Information

Client Sample ID: WQ111912:1035NP2-7

York Sample ID: 12K0639-02

York Project (SDG) No.
12K0639

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 19, 2012 10:35 am

Date Received
11/21/2012

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	11/30/2012 10:49	11/30/2012 17:57	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS

Sample Information

Client Sample ID: WQ111912:1035NP2-7

York Sample ID: 12K0639-02

York Project (SDG) No.
12K0639

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 19, 2012 10:35 am

Date Received
11/21/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
87-68-3	Hexachlorobutadiene	ND	VOA-C O	ug/L	0.12	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS

Sample Information

Client Sample ID: WQ111912:1035NP2-7

York Sample ID: 12K0639-02

York Project (SDG) No.
12K0639

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 19, 2012 10:35 am

Date Received
11/21/2012

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	11/30/2012 10:49	11/30/2012 17:57	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
91-20-3	Naphthalene	0.13	J	ug/L	0.090	2.0	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	11/30/2012 10:49	11/30/2012 17:57	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	129 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	98.8 %	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	0.0241		mg/L	0.0100	0.0200	1	EPA SW846-6010B	11/27/2012 16:03	11/27/2012 17:57	MW

Sample Information

Client Sample ID: WQ111912:1035NP2-7

York Sample ID: 12K0639-02

York Project (SDG) No.
12K0639

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 19, 2012 10:35 am

Date Received
11/21/2012

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	0.331		mg/L	0.0100	0.0200	1	EPA 200.7	11/27/2012 16:03	11/27/2012 18:02	MW

Sample Information

Client Sample ID: WQ111912:1040NP2-10

York Sample ID: 12K0640-01

York Project (SDG) No.
12K0640

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 19, 2012 10:40 am

Date Received
11/21/2012

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	11/29/2012 12:49	11/29/2012 22:04	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS

Sample Information

Client Sample ID: WQ111912:1040NP2-10

York Sample ID: 12K0640-01

York Project (SDG) No.
12K0640

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 19, 2012 10:40 am

Date Received
11/21/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
67-64-1	Acetone	0.98	J	ug/L	0.90	2.0	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
91-20-3	Naphthalene	0.12	J, B	ug/L	0.090	2.0	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS

Sample Information

Client Sample ID: WQ111912:1040NP2-10

York Sample ID: 12K0640-01

York Project (SDG) No.
12K0640

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 19, 2012 10:40 am

Date Received
11/21/2012

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
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	11/29/2012 12:49	11/29/2012 22:04	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	104 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	96.9 %			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	0.0523		mg/L	0.0100	0.0200	1	EPA SW846-6010B	11/27/2012 16:03	11/27/2012 18:07	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	1.36		mg/L	0.0100	0.0200	1	EPA 200.7	11/27/2012 16:03	11/27/2012 18:36	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	11/26/2012 09:43	11/27/2012 09:43	ALD

Analytical Batch Summary

Batch ID: BK20902 **Preparation Method:** % Solids Prep **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
12K0640-01	WQ111912:1040NP2-10	11/26/12
BK20902-BLK1	Blank	11/26/12

Batch ID: BK20979 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
12K0639-01	WQ111912:1030NP2-6	11/27/12
12K0639-01	WQ111912:1030NP2-6	11/27/12
12K0639-02	WQ111912:1035NP2-7	11/27/12
12K0639-02	WQ111912:1035NP2-7	11/27/12
12K0640-01	WQ111912:1040NP2-10	11/27/12
12K0640-01	WQ111912:1040NP2-10	11/27/12
BK20979-BLK1	Blank	11/27/12
BK20979-BLK1	Blank	11/27/12
BK20979-DUP1	Duplicate	11/27/12
BK20979-DUP1	Duplicate	11/27/12
BK20979-MS1	Matrix Spike	11/27/12
BK20979-MS1	Matrix Spike	11/27/12
BK20979-SRM1	Reference	11/27/12
BK20979-SRM1	Reference	11/27/12

Batch ID: BK21074 **Preparation Method:** EPA 5030B **Prepared By:** AY

YORK Sample ID	Client Sample ID	Preparation Date
12K0640-01	WQ111912:1040NP2-10	11/29/12
BK21074-BLK1	Blank	11/29/12
BK21074-BS1	LCS	11/29/12
BK21074-BSD1	LCS Dup	11/29/12

Batch ID: BK21124 **Preparation Method:** EPA 5030B **Prepared By:** AY

YORK Sample ID	Client Sample ID	Preparation Date
12K0639-01	WQ111912:1030NP2-6	11/30/12
12K0639-02	WQ111912:1035NP2-7	11/30/12
BK21124-BLK1	Blank	11/30/12
BK21124-BS1	LCS	11/30/12
BK21124-BSD1	LCS Dup	11/30/12

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

York Analytical Laboratories, Inc.

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

Batch BK21074 - EPA 5030B

Blank (BK21074-BLK1)

Prepared & Analyzed: 11/29/2012

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	0.54	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK21074 - EPA 5030B

Blank (BK21074-BLK1)

Prepared & Analyzed: 11/29/2012

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

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.0</i>		<i>"</i>	<i>10.0</i>		<i>110</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>9.97</i>		<i>"</i>	<i>10.0</i>		<i>99.7</i>	<i>81.2-127</i>				

LCS (BK21074-BS1)

Prepared & Analyzed: 11/29/2012

1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82.3-130				
1,1,1-Trichloroethane	11.8		"	10.0		118	75.6-137				
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.5		"	10.0		125	71.1-129				
1,1,2-Trichloroethane	9.95		"	10.0		99.5	74.5-129				
1,1-Dichloroethane	12.0		"	10.0		120	79.6-132				
1,1-Dichloroethylene	12.1		"	10.0		121	80.2-146				
1,1-Dichloropropylene	11.0		"	10.0		110	75-136				
1,2,3-Trichlorobenzene	10.1		"	10.0		101	66.1-136				
1,2,3-Trichloropropane	9.97		"	10.0		99.7	63-131				
1,2,4-Trichlorobenzene	10.4		"	10.0		104	70.6-136				
1,2,4-Trimethylbenzene	11.3		"	10.0		113	75.3-135				
1,2-Dibromo-3-chloropropane	10.3		"	10.0		103	58.9-140				
1,2-Dibromoethane	9.96		"	10.0		99.6	79-130				
1,2-Dichlorobenzene	10.4		"	10.0		104	76.1-122				
1,2-Dichloroethane	11.6		"	10.0		116	74.6-132				
1,2-Dichloropropane	10.7		"	10.0		107	76.9-129				
1,3,5-Trimethylbenzene	10.9		"	10.0		109	70.6-127				
1,3-Dichlorobenzene	10.5		"	10.0		105	77-124				
1,3-Dichloropropane	10.0		"	10.0		100	75.8-126				
1,4-Dichlorobenzene	10.3		"	10.0		103	76.6-125				
2,2-Dichloropropane	11.7		"	10.0		117	69-133				
2-Chlorotoluene	11.0		"	10.0		110	66.3-119				
2-Hexanone	9.29		"	10.0		92.9	70-130				
4-Chlorotoluene	10.7		"	10.0		107	69.2-127				
Acetone	6.36		"	10.0		63.6	70-130	Low Bias			
Benzene	11.3		"	10.0		113	76.2-129				
Bromobenzene	10.8		"	10.0		108	71.3-123				
Bromochloromethane	11.2		"	10.0		112	70.8-137				
Bromodichloromethane	10.8		"	10.0		108	79.7-134				
Bromoform	10.2		"	10.0		102	70.5-141				
Bromomethane	11.0		"	10.0		110	43.9-147				
Carbon tetrachloride	12.2		"	10.0		122	78.1-138				
Chlorobenzene	10.5		"	10.0		105	80.4-125				
Chloroethane	10.7		"	10.0		107	55.8-140				
Chloroform	11.2		"	10.0		112	76.6-133				
Chloromethane	10.0		"	10.0		100	48.8-115				
cis-1,2-Dichloroethylene	11.4		"	10.0		114	75.1-128				
cis-1,3-Dichloropropylene	11.4		"	10.0		114	74.5-128				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK21074 - EPA 5030B										
LCS (BK21074-BS1)										
Prepared & Analyzed: 11/29/2012										
Dibromochloromethane	10.4		ug/L	10.0		104	79.8-134			
Dibromomethane	10.1		"	10.0		101	79-130			
Dichlorodifluoromethane	10.7		"	10.0		107	47.1-101	High Bias		
Ethyl Benzene	11.4		"	10.0		114	80.8-128			
Hexachlorobutadiene	11.1		"	10.0		111	64.8-128			
Isopropylbenzene	11.6		"	10.0		116	75.5-135			
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	65.1-140			
Methylene chloride	10.1		"	10.0		101	61.3-120			
Naphthalene	10.4		"	10.0		104	62.3-148			
n-Butylbenzene	11.1		"	10.0		111	67.2-123			
n-Propylbenzene	11.9		"	10.0		119	70.5-127			
o-Xylene	10.6		"	10.0		106	75.9-122			
p- & m- Xylenes	22.1		"	20.0		111	77.7-127			
p-Isopropyltoluene	11.5		"	10.0		115	75.6-129			
sec-Butylbenzene	11.8		"	10.0		118	71.5-125			
Styrene	11.4		"	10.0		114	77.8-123			
tert-Butylbenzene	12.3		"	10.0		123	75.9-151			
Tetrachloroethylene	10.2		"	10.0		102	63.6-167			
Toluene	10.9		"	10.0		109	77-123			
trans-1,2-Dichloroethylene	11.4		"	10.0		114	76.3-139			
trans-1,3-Dichloropropylene	10.9		"	10.0		109	72.5-137			
Trichloroethylene	10.7		"	10.0		107	77.9-130			
Trichlorofluoromethane	10.8		"	10.0		108	57.4-133			
Vinyl Chloride	10.6		"	10.0		106	54.9-124			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.5</i>		<i>"</i>	<i>10.0</i>		<i>115</i>	<i>72.6-129</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>63.5-145</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.74</i>		<i>"</i>	<i>10.0</i>		<i>97.4</i>	<i>81.2-127</i>			

YORK

ANALYTICAL LABORATORIES, INC.

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Flag	RPD		
		Limit						Units	Level	Result
Batch BK21074 - EPA 5030B										
LCS Dup (BK21074-BSD1)										
Prepared & Analyzed: 11/29/2012										
1,1,1,2-Tetrachloroethane	9.73		ug/L	10.0	97.3	82.3-130		6.66	21.1	
1,1,1-Trichloroethane	11.2		"	10.0	112	75.6-137		4.87	19.7	
1,1,2,2-Tetrachloroethane	10.6		"	10.0	106	71.3-131		5.21	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3		"	10.0	123	71.1-129		1.54	21.7	
1,1,2-Trichloroethane	10.0		"	10.0	100	74.5-129		0.801	20.3	
1,1-Dichloroethane	12.1		"	10.0	121	79.6-132		0.912	20.6	
1,1-Dichloroethylene	12.0		"	10.0	120	80.2-146		0.833	20	
1,1-Dichloropropylene	11.1		"	10.0	111	75-136		0.903	19.3	
1,2,3-Trichlorobenzene	10.0		"	10.0	100	66.1-136		0.796	21.6	
1,2,3-Trichloropropane	10.1		"	10.0	101	63-131		1.20	23.9	
1,2,4-Trichlorobenzene	10.4		"	10.0	104	70.6-136		0.288	21.7	
1,2,4-Trimethylbenzene	10.9		"	10.0	109	75.3-135		3.43	18.8	
1,2-Dibromo-3-chloropropane	9.95		"	10.0	99.5	58.9-140		3.75	27.7	
1,2-Dibromoethane	10.5		"	10.0	105	79-130		4.99	23	
1,2-Dichlorobenzene	10.3		"	10.0	103	76.1-122		1.45	19.8	
1,2-Dichloroethane	11.8		"	10.0	118	74.6-132		1.37	20.2	
1,2-Dichloropropane	10.7		"	10.0	107	76.9-129		0.0932	20.7	
1,3,5-Trimethylbenzene	10.9		"	10.0	109	70.6-127		0.367	18.9	
1,3-Dichlorobenzene	10.1		"	10.0	101	77-124		4.08	19.2	
1,3-Dichloropropane	10.4		"	10.0	104	75.8-126		3.53	22.1	
1,4-Dichlorobenzene	10.0		"	10.0	100	76.6-125		2.75	18.6	
2,2-Dichloropropane	10.4		"	10.0	104	69-133		11.4	19.8	
2-Chlorotoluene	10.7		"	10.0	107	66.3-119		2.12	21.6	
2-Hexanone	10.2		"	10.0	102	70-130		9.34	30	
4-Chlorotoluene	11.1		"	10.0	111	69.2-127		3.68	19	
Acetone	6.15		"	10.0	61.5	70-130	Low Bias	3.36	30	
Benzene	11.1		"	10.0	111	76.2-129		1.88	19	
Bromobenzene	10.9		"	10.0	109	71.3-123		0.554	20.3	
Bromochloromethane	11.7		"	10.0	117	70.8-137		4.62	23.9	
Bromodichloromethane	10.8		"	10.0	108	79.7-134		0.00	21	
Bromoform	9.80		"	10.0	98.0	70.5-141		3.71	21.8	
Bromomethane	7.72		"	10.0	77.2	43.9-147		34.8	28.4	Non-dir.
Carbon tetrachloride	10.3		"	10.0	103	78.1-138		16.4	20.1	
Chlorobenzene	10.6		"	10.0	106	80.4-125		1.33	19.9	
Chloroethane	10.9		"	10.0	109	55.8-140		2.50	23.3	
Chloroform	11.0		"	10.0	110	76.6-133		1.89	20.3	
Chloromethane	8.18		"	10.0	81.8	48.8-115		20.4	24.5	
cis-1,2-Dichloroethylene	11.3		"	10.0	113	75.1-128		0.970	20.5	
cis-1,3-Dichloropropylene	11.0		"	10.0	110	74.5-128		3.59	19.9	
Dibromochloromethane	10.2		"	10.0	102	79.8-134		1.17	21.3	
Dibromomethane	10.7		"	10.0	107	79-130		5.89	22.4	
Dichlorodifluoromethane	10.5		"	10.0	105	47.1-101	High Bias	1.51	23.9	
Ethyl Benzene	11.4		"	10.0	114	80.8-128		0.0877	19.2	
Hexachlorobutadiene	10.2		"	10.0	102	64.8-128		8.28	20.6	
Isopropylbenzene	11.6		"	10.0	116	75.5-135		0.259	20	
Methyl tert-butyl ether (MTBE)	10.7		"	10.0	107	65.1-140		2.37	23.6	
Methylene chloride	10.4		"	10.0	104	61.3-120		2.15	20.4	
Naphthalene	10.6		"	10.0	106	62.3-148		0.952	27.1	
n-Butylbenzene	10.9		"	10.0	109	67.2-123		1.90	19.1	
n-Propylbenzene	12.0		"	10.0	120	70.5-127		0.756	23.4	
o-Xylene	10.7		"	10.0	107	75.9-122		0.753	19.3	
p- & m- Xylenes	21.9		"	20.0	109	77.7-127		1.18	18.6	
p-Isopropyltoluene	11.2		"	10.0	112	75.6-129		2.29	19.1	
sec-Butylbenzene	11.6		"	10.0	116	71.5-125		1.79	18.9	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK21074 - EPA 5030B

LCS Dup (BK21074-BSD1)

Prepared & Analyzed: 11/29/2012

Styrene	10.7		ug/L	10.0		107	77.8-123		6.87	20.9
tert-Butylbenzene	11.8		"	10.0		118	75.9-151		4.57	20.9
Tetrachloroethylene	9.99		"	10.0		99.9	63.6-167		2.57	27.7
Toluene	10.9		"	10.0		109	77-123		0.0917	18.7
trans-1,2-Dichloroethylene	11.5		"	10.0		115	76.3-139		0.524	19.5
trans-1,3-Dichloropropylene	10.6		"	10.0		106	72.5-137		3.26	19.3
Trichloroethylene	10.8		"	10.0		108	77.9-130		1.12	20.5
Trichlorofluoromethane	10.0		"	10.0		100	57.4-133		7.49	21.4
Vinyl Chloride	9.04		"	10.0		90.4	54.9-124		15.5	22.3
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.6</i>		<i>"</i>	<i>10.0</i>		<i>116</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>9.83</i>		<i>"</i>	<i>10.0</i>		<i>98.3</i>	<i>81.2-127</i>			

Batch BK21124 - EPA 5030B

Blank (BK21124-BLK1)

Prepared & Analyzed: 11/30/2012

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L							
1,1,1-Trichloroethane	ND	0.50	"							
1,1,2,2-Tetrachloroethane	ND	0.50	"							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"							
1,1,2-Trichloroethane	ND	0.50	"							
1,1-Dichloroethane	ND	0.50	"							
1,1-Dichloroethylene	ND	0.50	"							
1,1-Dichloropropylene	ND	0.50	"							
1,2,3-Trichlorobenzene	ND	2.0	"							
1,2,3-Trichloropropane	ND	0.50	"							
1,2,4-Trichlorobenzene	ND	2.0	"							
1,2,4-Trimethylbenzene	ND	0.50	"							
1,2-Dibromo-3-chloropropane	ND	2.0	"							
1,2-Dibromoethane	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dichloropropane	ND	0.50	"							
1,3,5-Trimethylbenzene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,3-Dichloropropane	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
2,2-Dichloropropane	ND	0.50	"							
2-Chlorotoluene	ND	0.50	"							
2-Hexanone	ND	0.50	"							
4-Chlorotoluene	ND	0.50	"							
Acetone	ND	2.0	"							
Benzene	ND	0.50	"							
Bromobenzene	ND	0.50	"							
Bromochloromethane	ND	0.50	"							
Bromodichloromethane	ND	0.50	"							
Bromoform	ND	0.50	"							
Bromomethane	ND	0.50	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	0.50	"							
Chloroethane	ND	0.50	"							
Chloroform	ND	0.50	"							
Chloromethane	ND	0.50	"							
cis-1,2-Dichloroethylene	ND	0.50	"							

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK21124 - EPA 5030B

Blank (BK21124-BLK1)

Prepared & Analyzed: 11/30/2012

cis-1,3-Dichloropropylene	ND	0.50	ug/L								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	2.7	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
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Surrogate: 1,2-Dichloroethane-d4	11.8		"	10.0		118	72.6-129				
Surrogate: p-Bromofluorobenzene	10.6		"	10.0		106	63.5-145				
Surrogate: Toluene-d8	9.63		"	10.0		96.3	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 BK21124 - EPA 5030B											
LCS (BK21124-BS1)											Prepared & Analyzed: 11/30/2012
1,1,1,2-Tetrachloroethane	9.84		ug/L	10.0		98.4	82.3-130				
1,1,1-Trichloroethane	11.3		"	10.0		113	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)	11.9		"	10.0		119	71.1-129				
1,1,2-Trichloroethane	9.92		"	10.0		99.2	74.5-129				
1,1-Dichloroethane	11.8		"	10.0		118	79.6-132				
1,1-Dichloroethylene	11.6		"	10.0		116	80.2-146				
1,1-Dichloropropylene	10.6		"	10.0		106	75-136				
1,2,3-Trichlorobenzene	9.00		"	10.0		90.0	66.1-136				
1,2,3-Trichloropropane	10.8		"	10.0		108	63-131				
1,2,4-Trichlorobenzene	9.27		"	10.0		92.7	70.6-136				
1,2,4-Trimethylbenzene	10.2		"	10.0		102	75.3-135				
1,2-Dibromo-3-chloropropane	10.6		"	10.0		106	58.9-140				
1,2-Dibromoethane	10.5		"	10.0		105	79-130				
1,2-Dichlorobenzene	10.0		"	10.0		100	76.1-122				
1,2-Dichloroethane	12.7		"	10.0		127	74.6-132				
1,2-Dichloropropane	9.95		"	10.0		99.5	76.9-129				
1,3,5-Trimethylbenzene	10.2		"	10.0		102	70.6-127				
1,3-Dichlorobenzene	9.75		"	10.0		97.5	77-124				
1,3-Dichloropropane	10.1		"	10.0		101	75.8-126				
1,4-Dichlorobenzene	9.67		"	10.0		96.7	76.6-125				
2,2-Dichloropropane	11.3		"	10.0		113	69-133				
2-Chlorotoluene	9.65		"	10.0		96.5	66.3-119				
2-Hexanone	11.5		"	10.0		115	70-130				
4-Chlorotoluene	10.5		"	10.0		105	69.2-127				
Acetone	6.14		"	10.0		61.4	70-130	Low Bias			
Benzene	11.3		"	10.0		113	76.2-129				
Bromobenzene	9.33		"	10.0		93.3	71.3-123				
Bromochloromethane	11.9		"	10.0		119	70.8-137				
Bromodichloromethane	10.4		"	10.0		104	79.7-134				
Bromoform	10.6		"	10.0		106	70.5-141				
Bromomethane	14.9		"	10.0		149	43.9-147	High Bias			
Carbon tetrachloride	12.0		"	10.0		120	78.1-138				
Chlorobenzene	10.4		"	10.0		104	80.4-125				
Chloroethane	9.24		"	10.0		92.4	55.8-140				
Chloroform	10.9		"	10.0		109	76.6-133				
Chloromethane	12.8		"	10.0		128	48.8-115	High Bias			
cis-1,2-Dichloroethylene	11.3		"	10.0		113	75.1-128				
cis-1,3-Dichloropropylene	10.8		"	10.0		108	74.5-128				
Dibromochloromethane	10.3		"	10.0		103	79.8-134				
Dibromomethane	10.4		"	10.0		104	79-130				
Dichlorodifluoromethane	10.4		"	10.0		104	47.1-101	High Bias			
Ethyl Benzene	10.7		"	10.0		107	80.8-128				
Hexachlorobutadiene	9.50		"	10.0		95.0	64.8-128				
Isopropylbenzene	10.9		"	10.0		109	75.5-135				
Methyl tert-butyl ether (MTBE)	11.4		"	10.0		114	65.1-140				
Methylene chloride	11.0		"	10.0		110	61.3-120				
Naphthalene	8.88		"	10.0		88.8	62.3-148				
n-Butylbenzene	10.1		"	10.0		101	67.2-123				
n-Propylbenzene	11.2		"	10.0		112	70.5-127				
o-Xylene	10.1		"	10.0		101	75.9-122				
p- & m- Xylenes	21.3		"	20.0		106	77.7-127				
p-Isopropyltoluene	10.5		"	10.0		105	75.6-129				
sec-Butylbenzene	11.0		"	10.0		110	71.5-125				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK21124 - EPA 5030B											
LCS (BK21124-BS1)						Prepared & Analyzed: 11/30/2012					
Styrene	10.3		ug/L	10.0		103	77.8-123				
tert-Butylbenzene	10.4		"	10.0		104	75.9-151				
Tetrachloroethylene	9.27		"	10.0		92.7	63.6-167				
Toluene	10.3		"	10.0		103	77-123				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	76.3-139				
trans-1,3-Dichloropropylene	10.8		"	10.0		108	72.5-137				
Trichloroethylene	9.75		"	10.0		97.5	77.9-130				
Trichlorofluoromethane	10.2		"	10.0		102	57.4-133				
Vinyl Chloride	10.4		"	10.0		104	54.9-124				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.9</i>		<i>"</i>	<i>10.0</i>		<i>129</i>	<i>72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.97</i>		<i>"</i>	<i>10.0</i>		<i>99.7</i>	<i>63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.66</i>		<i>"</i>	<i>10.0</i>		<i>96.6</i>	<i>81.2-127</i>				
LCS Dup (BK21124-BS1)						Prepared & Analyzed: 11/30/2012					
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82.3-130		2.01	21.1	
1,1,1-Trichloroethane	11.4		"	10.0		114	75.6-137		1.06	19.7	
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	71.3-131		4.77	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.1		"	10.0		121	71.1-129		1.58	21.7	
1,1,2-Trichloroethane	9.99		"	10.0		99.9	74.5-129		0.703	20.3	
1,1-Dichloroethane	11.9		"	10.0		119	79.6-132		0.845	20.6	
1,1-Dichloroethylene	11.9		"	10.0		119	80.2-146		2.29	20	
1,1-Dichloropropylene	10.9		"	10.0		109	75-136		2.51	19.3	
1,2,3-Trichlorobenzene	10.6		"	10.0		106	66.1-136		16.0	21.6	
1,2,3-Trichloropropane	10.4		"	10.0		104	63-131		3.11	23.9	
1,2,4-Trichlorobenzene	10.9		"	10.0		109	70.6-136		16.3	21.7	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	75.3-135		7.13	18.8	
1,2-Dibromo-3-chloropropane	10.7		"	10.0		107	58.9-140		1.22	27.7	
1,2-Dibromoethane	10.3		"	10.0		103	79-130		2.50	23	
1,2-Dichlorobenzene	10.7		"	10.0		107	76.1-122		6.76	19.8	
1,2-Dichloroethane	11.9		"	10.0		119	74.6-132		6.10	20.2	
1,2-Dichloropropane	10.5		"	10.0		105	76.9-129		5.57	20.7	
1,3,5-Trimethylbenzene	11.2		"	10.0		112	70.6-127		9.54	18.9	
1,3-Dichlorobenzene	10.4		"	10.0		104	77-124		6.55	19.2	
1,3-Dichloropropane	10.0		"	10.0		100	75.8-126		0.298	22.1	
1,4-Dichlorobenzene	10.4		"	10.0		104	76.6-125		7.75	18.6	
2,2-Dichloropropane	11.0		"	10.0		110	69-133		2.88	19.8	
2-Chlorotoluene	11.2		"	10.0		112	66.3-119		15.0	21.6	
2-Hexanone	10.0		"	10.0		100	70-130		13.3	30	
4-Chlorotoluene	11.3		"	10.0		113	69.2-127		7.54	19	
Acetone	5.98		"	10.0		59.8	70-130	Low Bias	2.64	30	
Benzene	11.0		"	10.0		110	76.2-129		2.78	19	
Bromobenzene	9.73		"	10.0		97.3	71.3-123		4.20	20.3	
Bromochloromethane	11.5		"	10.0		115	70.8-137		3.51	23.9	
Bromodichloromethane	10.9		"	10.0		109	79.7-134		4.68	21	
Bromoform	10.9		"	10.0		109	70.5-141		2.69	21.8	
Bromomethane	12.5		"	10.0		125	43.9-147		17.8	28.4	
Carbon tetrachloride	11.8		"	10.0		118	78.1-138		1.60	20.1	
Chlorobenzene	10.7		"	10.0		107	80.4-125		3.42	19.9	
Chloroethane	10.2		"	10.0		102	55.8-140		10.2	23.3	
Chloroform	11.1		"	10.0		111	76.6-133		1.90	20.3	
Chloromethane	10.2		"	10.0		102	48.8-115		22.5	24.5	
cis-1,2-Dichloroethylene	11.4		"	10.0		114	75.1-128		0.882	20.5	
cis-1,3-Dichloropropylene	10.8		"	10.0		108	74.5-128		0.371	19.9	
Dibromochloromethane	10.4		"	10.0		104	79.8-134		0.579	21.3	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK21124 - EPA 5030B										
LCS Dup (BK21124-BSD1)										
										Prepared & Analyzed: 11/30/2012
Dibromomethane	10.5		ug/L	10.0		105 79-130		1.06	22.4	
Dichlorodifluoromethane	10.0		"	10.0		100 47.1-101		3.14	23.9	
Ethyl Benzene	11.1		"	10.0		111 80.8-128		3.03	19.2	
Hexachlorobutadiene	11.0		"	10.0		110 64.8-128		14.9	20.6	
Isopropylbenzene	11.8		"	10.0		118 75.5-135		8.55	20	
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107 65.1-140		6.42	23.6	
Methylene chloride	10.2		"	10.0		102 61.3-120		7.34	20.4	
Naphthalene	11.0		"	10.0		110 62.3-148		21.6	27.1	
n-Butylbenzene	11.1		"	10.0		111 67.2-123		9.89	19.1	
n-Propylbenzene	12.3		"	10.0		123 70.5-127		9.12	23.4	
o-Xylene	10.5		"	10.0		105 75.9-122		4.09	19.3	
p- & m- Xylenes	21.6		"	20.0		108 77.7-127		1.45	18.6	
p-Isopropyltoluene	11.5		"	10.0		115 75.6-129		9.29	19.1	
sec-Butylbenzene	12.1		"	10.0		121 71.5-125		9.43	18.9	
Styrene	10.2		"	10.0		102 77.8-123		1.27	20.9	
tert-Butylbenzene	12.7		"	10.0		127 75.9-151		19.1	20.9	
Tetrachloroethylene	9.65		"	10.0		96.5 63.6-167		4.02	27.7	
Toluene	10.6		"	10.0		106 77-123		3.73	18.7	
trans-1,2-Dichloroethylene	11.4		"	10.0		114 76.3-139		0.352	19.5	
trans-1,3-Dichloropropylene	10.4		"	10.0		104 72.5-137		3.48	19.3	
Trichloroethylene	10.4		"	10.0		104 77.9-130		6.55	20.5	
Trichlorofluoromethane	10.4		"	10.0		104 57.4-133		2.03	21.4	
Vinyl Chloride	10.1		"	10.0		101 54.9-124		3.11	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.9</i>		<i>"</i>	<i>10.0</i>		<i>119 72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104 63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.69</i>		<i>"</i>	<i>10.0</i>		<i>96.9 81.2-127</i>				

YORK

ANALYTICAL LABORATORIES, INC.

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20979 - EPA 3010A											
Blank (BK20979-BLK1)											
								Prepared & Analyzed: 11/27/2012			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BK20979-DUP1)											
								Prepared & Analyzed: 11/27/2012			
Iron - Dissolved	0.0487	0.0200	mg/L		0.0523				7.08	20	
Matrix Spike (BK20979-MS1)											
								Prepared & Analyzed: 11/27/2012			
Iron - Dissolved	1.10	0.0200	mg/L	1.00	0.0523	105	75-125				
Reference (BK20979-SRM1)											
								Prepared & Analyzed: 11/27/2012			
Iron - Dissolved	0.453	0.0200	mg/L	0.462		98.0	87.9-114				

YORK

ANALYTICAL LABORATORIES, INC.

Metals by EPA 200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20979 - EPA 3010A											
Blank (BK20979-BLK1)						Prepared & Analyzed: 11/27/2012					
Iron	ND	0.0200	mg/L								
Duplicate (BK20979-DUP1)						Prepared & Analyzed: 11/27/2012					
	*Source sample: 12K0640-01 (WQ111912:1040NP2-10)										
Iron	1.25	0.0200	mg/L		1.36				8.37	20	
Matrix Spike (BK20979-MS1)						Prepared & Analyzed: 11/27/2012					
	*Source sample: 12K0640-01 (WQ111912:1040NP2-10)										
Iron	2.66	0.0200	mg/L	1.00	1.36	130	75-125	High Bias			
Reference (BK20979-SRM1)						Prepared & Analyzed: 11/27/2012					
Iron	0.453	0.0200	mg/L	0.462		98.0	87.9-114				

Miscellaneous Physical/Conventional Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC %REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK20902 - % Solids Prep

Blank (BK20902-BLK1)

Prepared: 11/26/2012 Analyzed: 11/27/2012

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

Lab ID	Client Sample ID	Volatile Sample Container
12K0639-01	WQ111912:1030NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
12K0639-02	WQ111912:1035NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
12K0640-01	WQ111912:1040NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

- VOA-CO The result reported is most likely due to carryover from a previous sample run in the batch. Data user should take note.
- QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
- B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
-
- ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
- RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

Field Chain-of-Custody Record

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

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>Arwe Industries</u>	Volatiles	Semi-Volatiles	Metals	Misc. Org.	RUSH - Same Day <input type="checkbox"/>	Summary Report <input checked="" type="checkbox"/>	Summary w/ QA Summary <input checked="" type="checkbox"/>	Summary <input checked="" type="checkbox"/>				
Address: <u>4 Research Dr. Suite 301</u>	Address: _____	Address: _____	Address: _____	TICs	8270 or 625	RCA8	TPH GRO	RUSH - Next Day <input type="checkbox"/>	CT RCP Package	CT RCP Package	CT RCP Package				
Phone No. <u>Shelton CT 06484</u>	Phone No. _____	Phone No. _____	Phone No. _____	Site-Spec	STARS list	PF13 list	TPH DRO	RUSH - Two Day <input type="checkbox"/>	CT RCP DQA/DUE Pkg.	CT RCP DQA/DUE Pkg.	CT RCP DQA/DUE Pkg.				
Attention: <u>263-989-8555</u>	Attention: _____	Attention: _____	Attention: _____	Nassau Co.	BN Only	TAL	CT ETHP	RUSH - Three Day <input type="checkbox"/>	NY ASP A Package	NY ASP A Package	NY ASP A Package				
Contact Person: <u>Tunde Sandor</u>	Contact Person: _____	Contact Person: _____	Contact Person: _____	Suffolk Co.	Acids Only	CT RCP	NY 310-13	RUSH - Four Day <input type="checkbox"/>	NY ASP B Package	NY ASP B Package	NY ASP B Package				
E-Mail Address: <u>Tsandor@lbgi.com</u>	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	Ketones	PAH list	App. IX	TPH 1664	Standard (5-7 Days) <input checked="" type="checkbox"/>	NIDEF Red. Deliv.	NIDEF Red. Deliv.	NIDEF Red. Deliv.				
<p>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.</p>		<p>Matrix Codes</p> <p>S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor</p>		<p>Volatiles</p> <p>8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list</p>		<p>Metals</p> <p>RCA8 PF13 list TAL CT15 list TAGM list NIDEF list CT RCP list TCL list NIDEF list App. IX SFLP or TCLP 8021B list</p>		<p>Misc. Org.</p> <p>TPH GRO TPH DRO CT ETHP NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium</p>		<p>Full Lists</p> <p>PH Poll. TCL Organs TAL MeCN Full TCLP Full App. IX Par 360-Routine Par 360-Baseline Par 360-Aspirated Par 360-Aspirated NYDEP-Sever NYDEP-Clean TAGM Silica</p>		<p>Misc.</p> <p>Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterocyclics TOX BTU/b. Aromatic Tox. TOC NYDEP-Clean NYDEP-Clean Silica</p>		<p>Other</p> <p>York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (please fill in):</p>	
<p>Samples Collected/Authorized By (Signature) <u>STEPHEN INAT</u> Name (printed)</p>		<p>Choose Analyses Needed from the Menu Above and Enter Below</p> <p>Fe by EPA 800.7/Fe, Dissolved by EPA 6010 (SW 846-6010B) / Vols P260 List (EPA SW 846-8260B) plus Fe on 113 Fe by EPA 800.7/Fe, Dissolved by EPA 6010 (SW 846-6010B) / Vols P260 List (EPA SW 846-8260B) plus Fe on 113 / TOS (SH 2540C)</p>		<p>4°C <input type="checkbox"/> Frozen <input type="checkbox"/> HCl <input type="checkbox"/> MeOH <input type="checkbox"/> HNO₃ <input type="checkbox"/> NaOH <input type="checkbox"/></p> <p>ZnAc <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other <input type="checkbox"/></p>		<p>Preservation</p> <p>Check those Applicable</p> <p>Special Instructions</p> <p>Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/></p>		<p>Container Description(s) <u>2x20</u> <u>2x20</u> <u>2x30</u></p>		<p>Temperature on Receipt <u>4.6</u> °C</p>					
<p>Sample Identification</p> <p>WR11912-1035NP2-6 WR11912-1035NP2-7 WR11912-1040NP2-10</p>		<p>Date Sampled</p> <p>11/12/12 11/12/12 11/12/12</p>		<p>Sample Matrix</p> <p>GW GW GW</p>		<p>4°C <input type="checkbox"/> Frozen <input type="checkbox"/> HCl <input type="checkbox"/> MeOH <input type="checkbox"/> HNO₃ <input type="checkbox"/> NaOH <input type="checkbox"/></p> <p>ZnAc <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other <input type="checkbox"/></p>		<p>Temperature on Receipt <u>4.6</u> °C</p>							
<p>Comments</p>		<p>Preservation</p> <p>Check those Applicable</p> <p>Special Instructions</p> <p>Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/></p>		<p>Samples Relinquished By <u>Tunde Sandor</u> Date/Time <u>11/21/12 11:00</u></p> <p>Samples Received By <u>Tunde Sandor</u> Date/Time <u>11/21/12-1450</u></p>		<p>Samples Relinquished By _____ Date/Time _____</p> <p>Samples Received in LAB by _____ Date/Time _____</p>									

Field Chain-of-Custody Record

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

York Project No. 12K0640

YOUR INFORMATION Company: <u>LB6</u> Address: <u>4 Research Dr. Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sandor</u> E-Mail Address: <u>TSandor@LB6CT.com</u>		Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR PROJECT ID <u>Rowe Industries</u> Purchase Order No. <u>NAB5A6</u>		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		Report Type Summary Report <u>X</u> , pdf Summary w/ QA Summary <u>X</u> , pdf CT RCP Package CTRCP DQADUE Pkg NY ASP A Package NY ASP B Package <u>NP2-10 only</u> , pdf. NIDEP Red. Deliv. Electronic Data Deliverables (EDD) Simple Excel <input checked="" type="checkbox"/> NYSEDEC EQUIS EQUIS (std) EZ-EDD (EQUIS) NIDEP SRP HazSite EDD GIS/KEY (std) Other _____ York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (please fill in):			
Matrix Codes S - soil Other - specify (oil, etc) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Volatiles 8260 fill 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list		Semi-Volts. Pesticides 8270 & 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NIDEP list App. IX SFLP or TCLP 8021B list		Metals RCRA8 PP13 list TAL CT15 list TAGM list NIDEP list Total SFLP or TCLP TCLP Herb Chloridane 608 Pest SFLP or TCLP 608 PCB		Misc. Org. TPH GRO TPH DRG CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Medicine Helium		Full Lists Ptl. Pol. TCL Organs TAL MetCN Full TCLP Full App. IX Par 360 Pestic Par 360 Pestic Par 360 Pestic NYDEP NYSEDEC TAGM Silica		Misc. Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heteromorphs TOX BTL/b. Aquatic Tox. NYDEP TOC Asbestos	

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)	Temperature on Receipt
WR11912-1030NP2-6	11/19/12 1030	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW846-61008) / VOCs, P260 List (EPA SW845-R2606), plus from 113	ZV 2P	
WR11912-1035NP2-7	1035	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW846-61008) / VOCs, P260 List (EPA SW845-R2606), plus from 113	ZV 2P	
WR11912-1040NP2-10	1040	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW846-61008) / VOCs, P260 List (EPA SW845-R2606), plus from 113	ZV 3P	
Comments Preservation: _____ Check those Applicable: _____ Special Instructions: Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/> 4°C _____ Frozen _____ HCl _____ MeOH _____ HNO ₃ _____ H ₂ SO ₄ _____ NaOH _____ ZnAc _____ Ascorbic Acid _____ Other _____ Samples Relinquished By: _____ Date/Time: 11/21/12 11:00 Samples Received By: <u>J. Hall</u> Date/Time: 11/21/12 11:00 Samples Relinquished By: _____ Date/Time: _____ Samples Received in LAB by: _____ Date/Time: _____					

YORK

ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 12/11/2012

Client Project ID: Rowe Industries

York Project (SDG) No.: 12K0804

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 12/11/2012
Client Project ID: Rowe Industries
York Project (SDG) No.: 12K0804

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 November 28, 2012 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>
12K0804-01	WQ112712:1210NP-6	Water	11/27/2012	11/28/2012
12K0804-02	WQ112712:1215NP-7	Water	11/27/2012	11/28/2012
12K0806-01	WQ112712:1220NP2-10	Water	11/27/2012	11/28/2012

General Notes for York Project (SDG) No.: 12K0804

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

Approved By:



Robert Q. Bradley
Laboratory Director

Date: 12/11/2012

YORK

Sample Information

Client Sample ID: WQ112712:1210NP-6

York Sample ID: 12K0804-01

York Project (SDG) No.
12K0804

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 12:10 pm

Date Received
11/28/2012

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	12/03/2012 15:25	12/04/2012 01:12	SS
71-55-6	1,1,1-Trichloroethane	0.64		ug/L	0.024	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
75-34-3	1,1-Dichloroethane	0.27	J	ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
87-61-6	1,2,3-Trichlorobenzene	0.12	J	ug/L	0.12	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS

Sample Information

Client Sample ID: WQ112712:1210NP-6

York Sample ID: 12K0804-01

York Project (SDG) No.
12K0804

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 12:10 pm

Date Received
11/28/2012

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	12/03/2012 15:25	12/04/2012 01:12	SS
67-66-3	Chloroform	0.18	J	ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
87-68-3	Hexachlorobutadiene	0.16	J, B	ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
91-20-3	Naphthalene	0.26	J, B	ug/L	0.090	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
127-18-4	Tetrachloroethylene	1.3		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
79-01-6	Trichloroethylene	0.14	J	ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:12	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0 *Surrogate: 1,2-Dichloroethane-d4* 97.8 %
 460-00-4 *Surrogate: p-Bromofluorobenzene* 104 %
 2037-26-5 *Surrogate: Toluene-d8* 98.3 %

72.6-129
 63.5-145
 81.2-127

Sample Information

Client Sample ID: WQ112712:1210NP-6

York Sample ID: 12K0804-01

York Project (SDG) No.
12K0804

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 12:10 pm

Date Received
11/28/2012

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	0.122		mg/L	0.0100	0.0200	1	EPA SW846-6010B	11/29/2012 14:44	11/29/2012 17:53	MW

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	1.29		mg/L	0.0100	0.0200	1	EPA 200.7	11/29/2012 14:44	11/29/2012 17:58	MW

Sample Information

Client Sample ID: WQ112712:1215NP-7

York Sample ID: 12K0804-02

York Project (SDG) No.
12K0804

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 12:15 pm

Date Received
11/28/2012

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	12/03/2012 15:25	12/04/2012 01:48	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS

Sample Information

Client Sample ID: WQ112712:1215NP-7

York Sample ID: 12K0804-02

York Project (SDG) No.
12K0804

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 12:15 pm

Date Received
11/28/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
91-20-3	Naphthalene	0.17	J, B	ug/L	0.090	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS

Sample Information

Client Sample ID: WQ112712:1215NP-7

York Sample ID: 12K0804-02

York Project (SDG) No.
12K0804

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 12:15 pm

Date Received
11/28/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 01:48	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.7 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	104 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	99.4 %			81.2-127						

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0345		mg/L	0.0100	0.0200	1	EPA SW846-6010B	11/29/2012 14:44	11/29/2012 18:15	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	0.556		mg/L	0.0100	0.0200	1	EPA 200.7	11/29/2012 14:44	11/29/2012 18:19	MW

Sample Information

Client Sample ID: WQ112712:1220NP2-10

York Sample ID: 12K0806-01

York Project (SDG) No.
12K0806

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 12:20 pm

Date Received
11/28/2012

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	12/03/2012 15:25	12/04/2012 02:24	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	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	12/03/2012 15:25	12/04/2012 02:24	SS

Sample Information

Client Sample ID: WQ112712:1220NP2-10

York Sample ID: 12K0806-01

York Project (SDG) No.
12K0806

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 12:20 pm

Date Received
11/28/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS

Sample Information

Client Sample ID: WQ112712:1220NP2-10

York Sample ID: 12K0806-01

York Project (SDG) No.
12K0806

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 12:20 pm

Date Received
11/28/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 02:24	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.5 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	97.7 %	81.2-127								

Sample Information

Client Sample ID: WQ112712:1220NP2-10

York Sample ID: 12K0806-01

York Project (SDG) No.
12K0806

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 12:20 pm

Date Received
11/28/2012

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	0.0208		mg/L	0.0100	0.0200	1	EPA SW846-6010B	11/29/2012 14:44	11/29/2012 17:19	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	0.880		mg/L	0.0100	0.0200	1	EPA 200.7	11/29/2012 14:44	11/29/2012 17:36	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	111		mg/L	1.00	1.00	1	SM 2540C	11/30/2012 10:33	11/30/2012 10:33	ALD

Analytical Batch Summary

Batch ID: BK21091 **Preparation Method:** % Solids Prep **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
12K0806-01	WQ112712:1220NP2-10	11/30/12
BK21091-BLK1	Blank	11/30/12

Batch ID: BK21097 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
12K0804-01	WQ112712:1210NP-6	11/29/12
12K0804-01	WQ112712:1210NP-6	11/29/12
12K0804-02	WQ112712:1215NP-7	11/29/12
12K0804-02	WQ112712:1215NP-7	11/29/12
12K0806-01	WQ112712:1220NP2-10	11/29/12
12K0806-01	WQ112712:1220NP2-10	11/29/12
BK21097-BLK1	Blank	11/29/12
BK21097-BLK1	Blank	11/29/12
BK21097-DUP1	Duplicate	11/29/12
BK21097-DUP1	Duplicate	11/29/12
BK21097-MS1	Matrix Spike	11/29/12
BK21097-MS1	Matrix Spike	11/29/12
BK21097-SRM1	Reference	11/29/12
BK21097-SRM1	Reference	11/29/12

Batch ID: BL20056 **Preparation Method:** EPA 5030B **Prepared By:** AY

YORK Sample ID	Client Sample ID	Preparation Date
12K0804-01	WQ112712:1210NP-6	12/03/12
12K0804-02	WQ112712:1215NP-7	12/03/12
12K0806-01	WQ112712:1220NP2-10	12/03/12
BL20056-BLK1	Blank	12/03/12
BL20056-BS1	LCS	12/03/12
BL20056-BSD1	LCS Dup	12/03/12

YORK

ANALYTICAL LABORATORIES, INC.

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

York Analytical Laboratories, Inc.

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

Batch BL20056 - EPA 5030B

Blank (BL20056-BLK1)

Prepared: 12/03/2012 Analyzed: 12/04/2012

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	0.55	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	1.1	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"
p- & m- Xylenes	ND	1.0	"
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"

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

York Analytical Laboratories, Inc.

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

Batch BL20056 - EPA 5030B

Blank (BL20056-BLK1)

Prepared: 12/03/2012 Analyzed: 12/04/2012

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

<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.64		"	10.0		96.4	72.6-129			
<i>Surrogate: p-Bromofluorobenzene</i>	10.4		"	10.0		104	63.5-145			
<i>Surrogate: Toluene-d8</i>	9.96		"	10.0		99.6	81.2-127			

LCS (BL20056-BS1)

Prepared & Analyzed: 12/03/2012

1,1,1,2-Tetrachloroethane	9.85		ug/L	10.0		98.5	82.3-130			
1,1,1-Trichloroethane	10.4		"	10.0		104	75.6-137			
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	71.3-131			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	71.1-129			
1,1,2-Trichloroethane	9.93		"	10.0		99.3	74.5-129			
1,1-Dichloroethane	10.6		"	10.0		106	79.6-132			
1,1-Dichloroethylene	10.2		"	10.0		102	80.2-146			
1,1-Dichloropropylene	9.83		"	10.0		98.3	75-136			
1,2,3-Trichlorobenzene	9.92		"	10.0		99.2	66.1-136			
1,2,3-Trichloropropane	9.95		"	10.0		99.5	63-131			
1,2,4-Trichlorobenzene	9.59		"	10.0		95.9	70.6-136			
1,2,4-Trimethylbenzene	9.40		"	10.0		94.0	75.3-135			
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100	58.9-140			
1,2-Dibromoethane	10.3		"	10.0		103	79-130			
1,2-Dichlorobenzene	9.67		"	10.0		96.7	76.1-122			
1,2-Dichloroethane	10.2		"	10.0		102	74.6-132			
1,2-Dichloropropane	9.69		"	10.0		96.9	76.9-129			
1,3,5-Trimethylbenzene	9.41		"	10.0		94.1	70.6-127			
1,3-Dichlorobenzene	9.54		"	10.0		95.4	77-124			
1,3-Dichloropropane	10.1		"	10.0		101	75.8-126			
1,4-Dichlorobenzene	9.30		"	10.0		93.0	76.6-125			
2,2-Dichloropropane	8.83		"	10.0		88.3	69-133			
2-Chlorotoluene	9.61		"	10.0		96.1	66.3-119			
2-Hexanone	10.6		"	10.0		106	70-130			
4-Chlorotoluene	9.41		"	10.0		94.1	69.2-127			
Acetone	5.56		"	10.0		55.6	70-130	Low Bias		
Benzene	10.6		"	10.0		106	76.2-129			
Bromobenzene	10.0		"	10.0		100	71.3-123			
Bromochloromethane	9.93		"	10.0		99.3	70.8-137			
Bromodichloromethane	10.2		"	10.0		102	79.7-134			
Bromoform	11.1		"	10.0		111	70.5-141			
Bromomethane	10.2		"	10.0		102	43.9-147			
Carbon tetrachloride	10.4		"	10.0		104	78.1-138			
Chlorobenzene	9.69		"	10.0		96.9	80.4-125			
Chloroethane	10.9		"	10.0		109	55.8-140			
Chloroform	10.3		"	10.0		103	76.6-133			
Chloromethane	11.1		"	10.0		111	48.8-115			
cis-1,2-Dichloroethylene	10.5		"	10.0		105	75.1-128			
cis-1,3-Dichloropropylene	10.5		"	10.0		105	74.5-128			

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL20056 - EPA 5030B										
LCS (BL20056-BS1)										
Prepared & Analyzed: 12/03/2012										
Dibromochloromethane	11.0		ug/L	10.0		110 79.8-134				
Dibromomethane	9.98		"	10.0		99.8 79-130				
Dichlorodifluoromethane	11.3		"	10.0		113 47.1-101	High Bias			
Ethyl Benzene	9.87		"	10.0		98.7 80.8-128				
Hexachlorobutadiene	9.35		"	10.0		93.5 64.8-128				
Isopropylbenzene	9.66		"	10.0		96.6 75.5-135				
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112 65.1-140				
Methylene chloride	7.26		"	10.0		72.6 61.3-120				
Naphthalene	11.3		"	10.0		113 62.3-148				
n-Butylbenzene	9.43		"	10.0		94.3 67.2-123				
n-Propylbenzene	9.56		"	10.0		95.6 70.5-127				
o-Xylene	9.56		"	10.0		95.6 75.9-122				
p- & m- Xylenes	19.3		"	20.0		96.7 77.7-127				
p-Isopropyltoluene	9.62		"	10.0		96.2 75.6-129				
sec-Butylbenzene	9.65		"	10.0		96.5 71.5-125				
Styrene	9.92		"	10.0		99.2 77.8-123				
tert-Butylbenzene	9.63		"	10.0		96.3 75.9-151				
Tetrachloroethylene	8.79		"	10.0		87.9 63.6-167				
Toluene	9.65		"	10.0		96.5 77-123				
trans-1,2-Dichloroethylene	10.4		"	10.0		104 76.3-139				
trans-1,3-Dichloropropylene	10.2		"	10.0		102 72.5-137				
Trichloroethylene	9.37		"	10.0		93.7 77.9-130				
Trichlorofluoromethane	10.6		"	10.0		106 57.4-133				
Vinyl Chloride	11.2		"	10.0		112 54.9-124				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104 72.6-129</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.93</i>		<i>"</i>	<i>10.0</i>		<i>99.3 63.5-145</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.68</i>		<i>"</i>	<i>10.0</i>		<i>96.8 81.2-127</i>				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Flag	RPD		
		Limit						Units	Level	Result
Batch BL20056 - EPA 5030B										
LCS Dup (BL20056-BSD1)										
Prepared: 12/03/2012 Analyzed: 12/04/2012										
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0	104	82.3-130		5.43	21.1	
1,1,1-Trichloroethane	10.0		"	10.0	100	75.6-137		3.53	19.7	
1,1,2,2-Tetrachloroethane	9.99		"	10.0	99.9	71.3-131		1.59	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0	106	71.1-129		2.15	21.7	
1,1,2-Trichloroethane	10.2		"	10.0	102	74.5-129		2.98	20.3	
1,1-Dichloroethane	10.4		"	10.0	104	79.6-132		2.66	20.6	
1,1-Dichloroethylene	9.90		"	10.0	99.0	80.2-146		2.69	20	
1,1-Dichloropropylene	9.44		"	10.0	94.4	75-136		4.05	19.3	
1,2,3-Trichlorobenzene	10.2		"	10.0	102	66.1-136		2.29	21.6	
1,2,3-Trichloropropane	9.92		"	10.0	99.2	63-131		0.302	23.9	
1,2,4-Trichlorobenzene	9.83		"	10.0	98.3	70.6-136		2.47	21.7	
1,2,4-Trimethylbenzene	8.98		"	10.0	89.8	75.3-135		4.57	18.8	
1,2-Dibromo-3-chloropropane	10.4		"	10.0	104	58.9-140		3.72	27.7	
1,2-Dibromoethane	10.3		"	10.0	103	79-130		0.194	23	
1,2-Dichlorobenzene	9.71		"	10.0	97.1	76.1-122		0.413	19.8	
1,2-Dichloroethane	10.0		"	10.0	100	74.6-132		1.78	20.2	
1,2-Dichloropropane	9.83		"	10.0	98.3	76.9-129		1.43	20.7	
1,3,5-Trimethylbenzene	9.76		"	10.0	97.6	70.6-127		3.65	18.9	
1,3-Dichlorobenzene	9.94		"	10.0	99.4	77-124		4.11	19.2	
1,3-Dichloropropane	10.2		"	10.0	102	75.8-126		1.28	22.1	
1,4-Dichlorobenzene	9.57		"	10.0	95.7	76.6-125		2.86	18.6	
2,2-Dichloropropane	8.29		"	10.0	82.9	69-133		6.31	19.8	
2-Chlorotoluene	9.82		"	10.0	98.2	66.3-119		2.16	21.6	
2-Hexanone	9.91		"	10.0	99.1	70-130		6.26	30	
4-Chlorotoluene	9.67		"	10.0	96.7	69.2-127		2.73	19	
Acetone	5.81		"	10.0	58.1	70-130	Low Bias	4.40	30	
Benzene	10.2		"	10.0	102	76.2-129		3.27	19	
Bromobenzene	9.48		"	10.0	94.8	71.3-123		5.44	20.3	
Bromochloromethane	9.39		"	10.0	93.9	70.8-137		5.59	23.9	
Bromodichloromethane	10.4		"	10.0	104	79.7-134		2.04	21	
Bromoform	11.1		"	10.0	111	70.5-141		0.180	21.8	
Bromomethane	10.3		"	10.0	103	43.9-147		1.66	28.4	
Carbon tetrachloride	10.1		"	10.0	101	78.1-138		3.41	20.1	
Chlorobenzene	10.0		"	10.0	100	80.4-125		3.25	19.9	
Chloroethane	10.5		"	10.0	105	55.8-140		3.18	23.3	
Chloroform	9.71		"	10.0	97.1	76.6-133		5.51	20.3	
Chloromethane	10.5		"	10.0	105	48.8-115		5.47	24.5	
cis-1,2-Dichloroethylene	10.0		"	10.0	100	75.1-128		4.78	20.5	
cis-1,3-Dichloropropylene	10.5		"	10.0	105	74.5-128		0.381	19.9	
Dibromochloromethane	11.0		"	10.0	110	79.8-134		0.454	21.3	
Dibromomethane	10.3		"	10.0	103	79-130		3.25	22.4	
Dichlorodifluoromethane	10.8		"	10.0	108	47.1-101	High Bias	4.17	23.9	
Ethyl Benzene	10.1		"	10.0	101	80.8-128		2.40	19.2	
Hexachlorobutadiene	9.90		"	10.0	99.0	64.8-128		5.71	20.6	
Isopropylbenzene	9.81		"	10.0	98.1	75.5-135		1.54	20	
Methyl tert-butyl ether (MTBE)	10.5		"	10.0	105	65.1-140		6.90	23.6	
Methylene chloride	7.12		"	10.0	71.2	61.3-120		1.95	20.4	
Naphthalene	10.8		"	10.0	108	62.3-148		4.44	27.1	
n-Butylbenzene	9.97		"	10.0	99.7	67.2-123		5.57	19.1	
n-Propylbenzene	9.98		"	10.0	99.8	70.5-127		4.30	23.4	
o-Xylene	9.64		"	10.0	96.4	75.9-122		0.833	19.3	
p- & m- Xylenes	20.0		"	20.0	99.8	77.7-127		3.11	18.6	
p-Isopropyltoluene	9.83		"	10.0	98.3	75.6-129		2.16	19.1	
sec-Butylbenzene	9.92		"	10.0	99.2	71.5-125		2.76	18.9	

YORK

ANALYTICAL LABORATORIES, INC.

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BL20056 - EPA 5030B

LCS Dup (BL20056-BSD1)

Prepared: 12/03/2012 Analyzed: 12/04/2012

Styrene	8.85		ug/L	10.0		88.5	77.8-123		11.4	20.9	
tert-Butylbenzene	9.88		"	10.0		98.8	75.9-151		2.56	20.9	
Tetrachloroethylene	9.12		"	10.0		91.2	63.6-167		3.69	27.7	
Toluene	9.79		"	10.0		97.9	77-123		1.44	18.7	
trans-1,2-Dichloroethylene	9.85		"	10.0		98.5	76.3-139		5.24	19.5	
trans-1,3-Dichloropropylene	10.3		"	10.0		103	72.5-137		1.76	19.3	
Trichloroethylene	9.45		"	10.0		94.5	77.9-130		0.850	20.5	
Trichlorofluoromethane	10.2		"	10.0		102	57.4-133		4.34	21.4	
Vinyl Chloride	10.6		"	10.0		106	54.9-124		4.68	22.3	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.57		"	10.0		95.7	72.6-129				
<i>Surrogate: p-Bromofluorobenzene</i>	9.88		"	10.0		98.8	63.5-145				
<i>Surrogate: Toluene-d8</i>	9.74		"	10.0		97.4	81.2-127				

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 BK21097 - EPA 3010A											
Blank (BK21097-BLK1)							Prepared & Analyzed: 11/29/2012				
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BK21097-DUP1)							Prepared & Analyzed: 11/29/2012				
*Source sample: 12K0806-01 (WQ112712:1220NP2-10)											
Iron - Dissolved	0.0163	0.0200	mg/L		0.0208				24.3	20	Non-dir.
Matrix Spike (BK21097-MS1)							Prepared & Analyzed: 11/29/2012				
*Source sample: 12K0806-01 (WQ112712:1220NP2-10)											
Iron - Dissolved	1.04	0.0200	mg/L	1.00	0.0208	102	75-125				
Reference (BK21097-SRM1)							Prepared & Analyzed: 11/29/2012				
Iron - Dissolved	0.453	0.0200	mg/L	0.462		98.1	87.9-114				

Metals by EPA 200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK21097 - EPA 3010A											
Blank (BK21097-BLK1)							Prepared & Analyzed: 11/29/2012				
Iron	ND	0.0200	mg/L								
Duplicate (BK21097-DUP1)							Prepared & Analyzed: 11/29/2012				
	*Source sample: 12K0806-01 (WQ112712:1220NP2-10)										
Iron	0.883	0.0200	mg/L		0.880				0.348	20	
Matrix Spike (BK21097-MS1)							Prepared & Analyzed: 11/29/2012				
	*Source sample: 12K0806-01 (WQ112712:1220NP2-10)										
Iron	1.92	0.0200	mg/L	1.00	0.880	104	75-125				
Reference (BK21097-SRM1)							Prepared & Analyzed: 11/29/2012				
Iron	0.453	0.0200	mg/L	0.462		98.1	87.9-114				

Miscellaneous Physical/Conventional Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK21091 - % Solids Prep											
Blank (BK21091-BLK1)										Prepared & Analyzed: 11/30/2012	
Total Dissolved Solids	ND	1.00	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
12K0804-01	WQ112712:1210NP-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
12K0804-02	WQ112712:1215NP-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
12K0806-01	WQ112712:1220NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

- QL-02** This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- J** Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
- B** Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
-
- ND** Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
- RL** REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- MDL** METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
- NR** Not reported
- RPD** Relative Percent Difference
- Wet** The data has been reported on an as-received (wet weight) basis
- Low Bias** Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir.** Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.
- If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.
- If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.
- 2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.
- Certification for pH is no longer offered by NYDOH ELAP.
- Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.

Field Chain-of-Custody Record

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

York Project No. 12K0804

YOUR Information Company: <u>LBG</u> Address: <u>4 Research Dr. Suite 301 Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sandor</u> E-Mail Address: <u>TSandor@LBGCT.com</u>		Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR Project ID <u>Apwe Industries</u> Purchase Order No. <u>NAB5A6</u>		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard(5-7 Days) <input checked="" type="checkbox"/>		Report Type Summary Report <input checked="" type="checkbox"/> <u>pdf</u> Summary w/ QA Summary <input checked="" type="checkbox"/> <u>pdf</u> CT RCP Package CTCRP DOA/DUE Pkg NY ASP A Package NY ASP B Package <u>NE2-100 only</u> , <u>pdf</u> NIDEP Red. Deliv. Electronic Data Deliverables (EDD)	
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Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature) _____
 Name (printed) STEPHEN HART

Matrix Codes	Volatiles	Semi-Vols	PCP/Chlordane	Metals	Misc. Org.	Full Lists	Misc.
S - soil	8260 full	8270 or 625	RCRA8	TPH GRO	TPH GRO	PHL Poll.	Corrosivity
Other - specify (oil, etc.)	624	STARS list	FP13 list	TPH DR0	TPH DR0	TCL Orgs	Reactivity
WW - wastewater	STARS list	BN Only	TAL	CT BTPH	CT BTPH	TAL MetCN	Ignitability
GW - groundwater	BTEX	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
DW - drinking water	MTBE	PAH list	App IX	TAGM list	TPH 1664	Full App IX	Sieve Anal.
Air-A - ambient air	TCL list	Ketones	Site Spec.	NUDEP list	Air TO14A	Part 360-Residue	Heterocyclics
Air-SV - soil vapor	TAGM list	Oxygenates	SPLP/TCLP	CT RCP list	Air TO15	Part 360-Residue	TOX
	CT RCP list	TCLP list	TCLP Herb	TCLP Pest	Air STARS	Part 360-Residue	BTU/b.
	Arom. only	524.2	NUDEP list	TCLP Herb	Air VPH	NYCDEP	Aquatic Tox.
	Halog. only	502.2	App. IX	Chlordane	Air TICs	NYCDEP	TOC
	App. IX list	SPLP/TCLP	TCLP BNA	608 Pest	Methane	NYSDDEC	Asbestos
	8021B list	SPLP/TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container	Description(s)
<u>NW112712 1210NP2-6</u>	<u>11/27/12 1210</u>	<u>GW</u>	<u>Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-610B) / VOLS, PLEAD list (EPA SW 846-8260B) plus Fe-on 113</u>		<u>21 21</u>
<u>NW112712 1215NP2-7</u>	<u>1215</u>	<u>GW</u>			<u>21 21</u>
<u>NW112712 1210NP2-10</u>	<u>1220</u>	<u>GW</u>	<u>Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-610B) / VOLS, 3280 list (EPA SW 846-8260B) plus Fe-on 113 / TDS (SH 2540C)</u>		<u>21 30</u>

4°C _____ Frozen _____ HCl _____ MeOH _____ HNO ₃ _____ H ₂ SO ₄ _____ NaOH _____ ZnAc _____ Ascorbic Acid _____ Other _____		Temperature on Receipt <u>4.2 °C</u>
Samples Relinquished By <u>Tom Wilson</u> Date/Time <u>11/28/12 1545</u>		Date/Time <u>11/28/12 1545</u>
Samples Relinquished By _____ Date/Time _____		Date/Time <u>11/28/12-1620</u>
Samples Relinquished By _____ Date/Time _____		Date/Time _____

Field Chain-of-Custody Record

YORK Project No. 12K0806

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 Company: <u>LB6</u> Address: <u>4 Research Dr. Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tonde Sandor</u> E-Mail Address: <u>TSandor@LB6CT.com</u>		Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR PROJECT ID <u>Rowe Industries</u> Purchase Order No. <u>NAB5A6</u> Samples from: CT <input type="checkbox"/> NY <input type="checkbox"/> NJ <input type="checkbox"/>		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		Report Type Summary Report <input checked="" type="checkbox"/> <u>pdf</u> Summary w/ QA Summary <input checked="" type="checkbox"/> <u>pdf</u> CT RCP Package <input type="checkbox"/> CTRCP DQADUE Pkg <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input checked="" type="checkbox"/> <u>NP2-10 only, pdf</u> NJDEP Red. Deliv. <input type="checkbox"/> Electronic Data Deliverables (EDDL) <input type="checkbox"/> Simple Excel <input checked="" type="checkbox"/> <u>X</u> NY/DEC EQ/US <input type="checkbox"/> EQ/US (std) <input type="checkbox"/> EZ-EDD (EQ/US) <input type="checkbox"/> NJDEP SRP HazSite EDD <input type="checkbox"/> GIS/KEY (std) <input type="checkbox"/> Other _____ York Regulatory Comparison <input type="checkbox"/> Excel Spreadsheet <input type="checkbox"/> Compare to the following Regs. (Please fill in): _____	
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Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature) _____
 STEPHEN HWAT
 Name (printed)

Matrix Codes	Volatiles	Semi-Volatiles	Test/Specified	Metals	Misc. Org.	Full Lists	Misc.
S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor	8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Acrom. only Halog. only App. IX list 8021B list	8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NUDEP list App. IX list TCLP/BNA SPLP or TCLP	8082PCB 8081Pest 8151Herb CT RCP App. IX Site Spec. SPLP or TCLP TCLP Pest TCLP Herb Chlordane 608 Pest 608 PCB	RCKA8 PP 13 list TAL CT 15 list TAGM list NIDEP list Total Dissolved SPLP or TCLP Air VPH Air TICs LIST Below Helium	TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium	Pr. Poll. TCL Organics TAL MacCN Full TCLP Full App. IX Part 360-Route Part 360-Route Part 360-Route Part 360-Route NYDEP-Base NYDEP-Base TAGM Silica	Corrosivity Reactivity Ignitability Flash Point Stove Anal. Heteroatoms TOX BTU/Obj. Aquatic Tox. NYDEP-Base TOC Asbestos Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
NQ112712-1210NP2-6	11/27/12 1210	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010B) / VOLS, 8260 List (EPA SW 846-8260B) plus from 13	20 20
NQ112712-1210NP2-7	1215	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010B) / VOLS, 8260 List (EPA SW 846-8260B) plus from 13 / TDS (SH 2540C)	20 20
NQ112712-1210NP2-10	1220	GW		20 50

Comments Preservation <input type="checkbox"/> Check those Applicable Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>	4°C _____ Frozen _____ HCl _____ MeOH _____ HNO ₃ _____ H ₂ O _____ NaOH _____ ZnAc _____ Ascorbic Acid _____ Other _____	Samples Relinquished By: <u>Tom Ribson</u> Date/Time: <u>11/28/12 1545</u> Samples Received By: <u>TC Palle</u> Date/Time: <u>11/28/12 1545</u>	Temperature on Receipt: <u>4.2</u> °C Date/Time: <u>11/28/12-1620</u>
	Samples Relinquished By: _____ Date/Time: _____ Samples Received in LAB by: _____ Date/Time: _____	Samples Relinquished By: _____ Date/Time: _____ Samples Received in LAB by: _____ Date/Time: _____	

APPENDIX II
NOVEMBER 2012 LABORATORY ANALYTICAL REPORTS
FOR FSP&T AND FP&T RECOVERY WELLS

YORK

ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 12/11/2012

Client Project ID: Rowe Industries

York Project (SDG) No.: 12K0807

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 12/11/2012
Client Project ID: Rowe Industries
York Project (SDG) No.: 12K0807

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 November 28, 2012 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>
12K0807-01	GWQ112712:1435NP1-1-2	Water	11/27/2012	11/28/2012
12K0807-02	GWQ112712:1055NP1-1-3	Water	11/27/2012	11/28/2012
12K0807-03	GWQ112712:1415NP1-1-5	Water	11/27/2012	11/28/2012
12K0807-04	GWQ112712:1328NP1-1-6	Water	11/27/2012	11/28/2012
12K0807-05	GWQ112712:1310NP1-1-7	Water	11/27/2012	11/28/2012
12K0807-06	GWQ112712:1235NP1-1-8	Water	11/27/2012	11/28/2012
12K0807-07	GWQ112712:1140NP1-1-9	Water	11/27/2012	11/28/2012

General Notes for York Project (SDG) No.: 12K0807

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

Approved By:



Robert Q. Bradley
Laboratory Director

Date: 12/11/2012

YORK

Sample Information

Client Sample ID: GWQ112712:1435NP1-1-2

York Sample ID: 12K0807-01

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 2:35 pm

Date Received
11/28/2012

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	12/03/2012 15:25	12/04/2012 03:00	SS
71-55-6	1,1,1-Trichloroethane	0.17	J	ug/L	0.024	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS

Sample Information

Client Sample ID: GWQ112712:1435NP1-1-2

York Sample ID: 12K0807-01

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 2:35 pm

Date Received
11/28/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
67-66-3	Chloroform	0.11	J	ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
156-59-2	cis-1,2-Dichloroethylene	0.65		ug/L	0.069	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
127-18-4	Tetrachloroethylene	1.3		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
79-01-6	Trichloroethylene	0.43	J	ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:00	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0 *Surrogate: 1,2-Dichloroethane-d4* 94.0 %
 460-00-4 *Surrogate: p-Bromofluorobenzene* 105 %
 2037-26-5 *Surrogate: Toluene-d8* 99.4 %

72.6-129
 63.5-145
 81.2-127

Sample Information

Client Sample ID: GWQ112712:1435NP1-1-2

York Sample ID: 12K0807-01

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 2:35 pm

Date Received
11/28/2012

Sample Information

Client Sample ID: GWQ112712:1055NP1-1-3

York Sample ID: 12K0807-02

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 10:55 am

Date Received
11/28/2012

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	12/03/2012 15:25	12/04/2012 03:36	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS

Sample Information

Client Sample ID: GWQ112712:1055NP1-1-3

York Sample ID: 12K0807-02

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 10:55 am

Date Received
11/28/2012

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
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS

Sample Information

Client Sample ID: GWQ112712:1055NP1-1-3

York Sample ID: 12K0807-02

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 10:55 am

Date Received
11/28/2012

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
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 03:36	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	103 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	99.7 %	81.2-127								

Sample Information

Client Sample ID: GWQ112712:1415NP1-1-5

York Sample ID: 12K0807-03

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 2:15 pm

Date Received
11/28/2012

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	12/03/2012 15:25	12/04/2012 04:12	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS

Sample Information

Client Sample ID: GWQ112712:1415NP1-1-5

York Sample ID: 12K0807-03

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 2:15 pm

Date Received
11/28/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
67-66-3	Chloroform	0.96		ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS

Sample Information

Client Sample ID: GWQ112712:1415NP1-1-5

York Sample ID: 12K0807-03

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 2:15 pm

Date Received
11/28/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:12	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	90.6 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	100 %	81.2-127								

Sample Information

Client Sample ID: GWQ112712:1328NP1-1-6

York Sample ID: 12K0807-04

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 1:28 pm

Date Received
11/28/2012

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	12/03/2012 15:25	12/04/2012 04:48	SS
71-55-6	1,1,1-Trichloroethane	1.2		ug/L	0.024	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	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	12/03/2012 15:25	12/04/2012 04:48	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
75-34-3	1,1-Dichloroethane	0.38	J	ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS

Sample Information

Client Sample ID: GWQ112712:1328NP1-1-6

York Sample ID: 12K0807-04

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 1:28 pm

Date Received
11/28/2012

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	12/03/2012 15:25	12/04/2012 04:48	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
67-66-3	Chloroform	0.35	J	ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS

Sample Information

Client Sample ID: GWQ112712:1328NP1-1-6

York Sample ID: 12K0807-04

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 1:28 pm

Date Received
11/28/2012

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
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
127-18-4	Tetrachloroethylene	2.2		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
79-01-6	Trichloroethylene	0.10	J	ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 04:48	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	87.1 %			72.6-129						
460-00-4	Surrogate: p-Bromofluorobenzene	102 %			63.5-145						
2037-26-5	Surrogate: Toluene-d8	98.4 %			81.2-127						

Sample Information

Client Sample ID: GWQ112712:1310NP1-1-7

York Sample ID: 12K0807-05

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 1:10 pm

Date Received
11/28/2012

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	12/03/2012 15:25	12/04/2012 05:25	SS
71-55-6	1,1,1-Trichloroethane	0.27	J	ug/L	0.024	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	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	12/03/2012 15:25	12/04/2012 05:25	SS

Sample Information

Client Sample ID: GWQ112712:1310NP1-1-7

York Sample ID: 12K0807-05

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 1:10 pm

Date Received
11/28/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
75-34-3	1,1-Dichloroethane	0.15	J	ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
67-66-3	Chloroform	0.19	J	ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS

Sample Information

Client Sample ID: GWQ112712:1310NP1-1-7

York Sample ID: 12K0807-05

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 1:10 pm

Date Received
11/28/2012

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
127-18-4	Tetrachloroethylene	0.89		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 05:25	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	72.6-129								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	63.5-145								
2037-26-5	Surrogate: Toluene-d8	98.6 %	81.2-127								

Sample Information

Client Sample ID: GWQ112712:1235NP1-1-8

York Sample ID: 12K0807-06

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 12:35 pm

Date Received
11/28/2012

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	12/03/2012 15:25	12/04/2012 06:01	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS

Sample Information

Client Sample ID: GWQ112712:1235NP1-1-8

York Sample ID: 12K0807-06

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 12:35 pm

Date Received
11/28/2012

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	12/03/2012 15:25	12/04/2012 06:01	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
127-18-4	Tetrachloroethylene	0.16	J	ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:01	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0 *Surrogate: 1,2-Dichloroethane-d4* 99.0 %
 460-00-4 *Surrogate: p-Bromofluorobenzene* 104 %
 2037-26-5 *Surrogate: Toluene-d8* 99.4 %

72.6-129
 63.5-145
 81.2-127

Sample Information

Client Sample ID: GWQ112712:1140NP1-1-9

York Sample ID: 12K0807-07

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 11:40 am

Date Received
11/28/2012

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	12/03/2012 15:25	12/04/2012 06:37	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS

Sample Information

Client Sample ID: GWQ112712:1140NP1-1-9

York Sample ID: 12K0807-07

York Project (SDG) No.
12K0807

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 27, 2012 11:40 am

Date Received
11/28/2012

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	12/03/2012 15:25	12/04/2012 06:37	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	12/03/2012 15:25	12/04/2012 06:37	SS

Surrogate Recoveries

Result

Acceptance Range

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

72.6-129
63.5-145
81.2-127

Analytical Batch Summary

Batch ID: BL20056

Preparation Method: EPA 5030B

Prepared By: AY

YORK Sample ID	Client Sample ID	Preparation Date
12K0807-01	GWQ112712:1435NP1-1-2	12/03/12
12K0807-02	GWQ112712:1055NP1-1-3	12/03/12
12K0807-03	GWQ112712:1415NP1-1-5	12/03/12
12K0807-04	GWQ112712:1328NP1-1-6	12/03/12
12K0807-05	GWQ112712:1310NP1-1-7	12/03/12
12K0807-06	GWQ112712:1235NP1-1-8	12/03/12
12K0807-07	GWQ112712:1140NP1-1-9	12/03/12
BL20056-BLK1	Blank	12/03/12
BL20056-BS1	LCS	12/03/12
BL20056-BSD1	LCS Dup	12/03/12
BL20056-MS1	Matrix Spike	12/03/12
BL20056-MSD1	Matrix Spike Dup	12/03/12

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

York Analytical Laboratories, Inc.

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

Batch BL20056 - EPA 5030B

Blank (BL20056-BLK1)

Prepared: 12/03/2012 Analyzed: 12/04/2012

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	0.55	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	1.1	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"
p- & m- Xylenes	ND	1.0	"
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BL20056 - EPA 5030B

Blank (BL20056-BLK1)

Prepared: 12/03/2012 Analyzed: 12/04/2012

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

Surrogate: 1,2-Dichloroethane-d4

9.64

"

10.0

96.4

72.6-129

Surrogate: p-Bromofluorobenzene

10.4

"

10.0

104

63.5-145

Surrogate: Toluene-d8

9.96

"

10.0

99.6

81.2-127

LCS (BL20056-BS1)

Prepared & Analyzed: 12/03/2012

1,1,1,2-Tetrachloroethane	9.85		ug/L	10.0		98.5	82.3-130				
1,1,1-Trichloroethane	10.4		"	10.0		104	75.6-137				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	71.1-129				
1,1,2-Trichloroethane	9.93		"	10.0		99.3	74.5-129				
1,1-Dichloroethane	10.6		"	10.0		106	79.6-132				
1,1-Dichloroethylene	10.2		"	10.0		102	80.2-146				
1,1-Dichloropropylene	9.83		"	10.0		98.3	75-136				
1,2,3-Trichlorobenzene	9.92		"	10.0		99.2	66.1-136				
1,2,3-Trichloropropane	9.95		"	10.0		99.5	63-131				
1,2,4-Trichlorobenzene	9.59		"	10.0		95.9	70.6-136				
1,2,4-Trimethylbenzene	9.40		"	10.0		94.0	75.3-135				
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100	58.9-140				
1,2-Dibromoethane	10.3		"	10.0		103	79-130				
1,2-Dichlorobenzene	9.67		"	10.0		96.7	76.1-122				
1,2-Dichloroethane	10.2		"	10.0		102	74.6-132				
1,2-Dichloropropane	9.69		"	10.0		96.9	76.9-129				
1,3,5-Trimethylbenzene	9.41		"	10.0		94.1	70.6-127				
1,3-Dichlorobenzene	9.54		"	10.0		95.4	77-124				
1,3-Dichloropropane	10.1		"	10.0		101	75.8-126				
1,4-Dichlorobenzene	9.30		"	10.0		93.0	76.6-125				
2,2-Dichloropropane	8.83		"	10.0		88.3	69-133				
2-Chlorotoluene	9.61		"	10.0		96.1	66.3-119				
2-Hexanone	10.6		"	10.0		106	70-130				
4-Chlorotoluene	9.41		"	10.0		94.1	69.2-127				
Acetone	5.56		"	10.0		55.6	70-130	Low Bias			
Benzene	10.6		"	10.0		106	76.2-129				
Bromobenzene	10.0		"	10.0		100	71.3-123				
Bromochloromethane	9.93		"	10.0		99.3	70.8-137				
Bromodichloromethane	10.2		"	10.0		102	79.7-134				
Bromoform	11.1		"	10.0		111	70.5-141				
Bromomethane	10.2		"	10.0		102	43.9-147				
Carbon tetrachloride	10.4		"	10.0		104	78.1-138				
Chlorobenzene	9.69		"	10.0		96.9	80.4-125				
Chloroethane	10.9		"	10.0		109	55.8-140				
Chloroform	10.3		"	10.0		103	76.6-133				
Chloromethane	11.1		"	10.0		111	48.8-115				
cis-1,2-Dichloroethylene	10.5		"	10.0		105	75.1-128				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	74.5-128				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL20056 - EPA 5030B										
LCS (BL20056-BS1)										Prepared & Analyzed: 12/03/2012
Dibromochloromethane	11.0		ug/L	10.0		110	79.8-134			
Dibromomethane	9.98		"	10.0		99.8	79-130			
Dichlorodifluoromethane	11.3		"	10.0		113	47.1-101	High Bias		
Ethyl Benzene	9.87		"	10.0		98.7	80.8-128			
Hexachlorobutadiene	9.35		"	10.0		93.5	64.8-128			
Isopropylbenzene	9.66		"	10.0		96.6	75.5-135			
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	65.1-140			
Methylene chloride	7.26		"	10.0		72.6	61.3-120			
Naphthalene	11.3		"	10.0		113	62.3-148			
n-Butylbenzene	9.43		"	10.0		94.3	67.2-123			
n-Propylbenzene	9.56		"	10.0		95.6	70.5-127			
o-Xylene	9.56		"	10.0		95.6	75.9-122			
p- & m- Xylenes	19.3		"	20.0		96.7	77.7-127			
p-Isopropyltoluene	9.62		"	10.0		96.2	75.6-129			
sec-Butylbenzene	9.65		"	10.0		96.5	71.5-125			
Styrene	9.92		"	10.0		99.2	77.8-123			
tert-Butylbenzene	9.63		"	10.0		96.3	75.9-151			
Tetrachloroethylene	8.79		"	10.0		87.9	63.6-167			
Toluene	9.65		"	10.0		96.5	77-123			
trans-1,2-Dichloroethylene	10.4		"	10.0		104	76.3-139			
trans-1,3-Dichloropropylene	10.2		"	10.0		102	72.5-137			
Trichloroethylene	9.37		"	10.0		93.7	77.9-130			
Trichlorofluoromethane	10.6		"	10.0		106	57.4-133			
Vinyl Chloride	11.2		"	10.0		112	54.9-124			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>72.6-129</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.93</i>		<i>"</i>	<i>10.0</i>		<i>99.3</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>			

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL20056 - EPA 5030B										
LCS Dup (BL20056-BSD1)										
Prepared: 12/03/2012 Analyzed: 12/04/2012										
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104 82.3-130		5.43	21.1	
1,1,1-Trichloroethane	10.0		"	10.0		100 75.6-137		3.53	19.7	
1,1,2,2-Tetrachloroethane	9.99		"	10.0		99.9 71.3-131		1.59	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106 71.1-129		2.15	21.7	
1,1,2-Trichloroethane	10.2		"	10.0		102 74.5-129		2.98	20.3	
1,1-Dichloroethane	10.4		"	10.0		104 79.6-132		2.66	20.6	
1,1-Dichloroethylene	9.90		"	10.0		99.0 80.2-146		2.69	20	
1,1-Dichloropropylene	9.44		"	10.0		94.4 75-136		4.05	19.3	
1,2,3-Trichlorobenzene	10.2		"	10.0		102 66.1-136		2.29	21.6	
1,2,3-Trichloropropane	9.92		"	10.0		99.2 63-131		0.302	23.9	
1,2,4-Trichlorobenzene	9.83		"	10.0		98.3 70.6-136		2.47	21.7	
1,2,4-Trimethylbenzene	8.98		"	10.0		89.8 75.3-135		4.57	18.8	
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104 58.9-140		3.72	27.7	
1,2-Dibromoethane	10.3		"	10.0		103 79-130		0.194	23	
1,2-Dichlorobenzene	9.71		"	10.0		97.1 76.1-122		0.413	19.8	
1,2-Dichloroethane	10.0		"	10.0		100 74.6-132		1.78	20.2	
1,2-Dichloropropane	9.83		"	10.0		98.3 76.9-129		1.43	20.7	
1,3,5-Trimethylbenzene	9.76		"	10.0		97.6 70.6-127		3.65	18.9	
1,3-Dichlorobenzene	9.94		"	10.0		99.4 77-124		4.11	19.2	
1,3-Dichloropropane	10.2		"	10.0		102 75.8-126		1.28	22.1	
1,4-Dichlorobenzene	9.57		"	10.0		95.7 76.6-125		2.86	18.6	
2,2-Dichloropropane	8.29		"	10.0		82.9 69-133		6.31	19.8	
2-Chlorotoluene	9.82		"	10.0		98.2 66.3-119		2.16	21.6	
2-Hexanone	9.91		"	10.0		99.1 70-130		6.26	30	
4-Chlorotoluene	9.67		"	10.0		96.7 69.2-127		2.73	19	
Acetone	5.81		"	10.0		58.1 70-130	Low Bias	4.40	30	
Benzene	10.2		"	10.0		102 76.2-129		3.27	19	
Bromobenzene	9.48		"	10.0		94.8 71.3-123		5.44	20.3	
Bromochloromethane	9.39		"	10.0		93.9 70.8-137		5.59	23.9	
Bromodichloromethane	10.4		"	10.0		104 79.7-134		2.04	21	
Bromoform	11.1		"	10.0		111 70.5-141		0.180	21.8	
Bromomethane	10.3		"	10.0		103 43.9-147		1.66	28.4	
Carbon tetrachloride	10.1		"	10.0		101 78.1-138		3.41	20.1	
Chlorobenzene	10.0		"	10.0		100 80.4-125		3.25	19.9	
Chloroethane	10.5		"	10.0		105 55.8-140		3.18	23.3	
Chloroform	9.71		"	10.0		97.1 76.6-133		5.51	20.3	
Chloromethane	10.5		"	10.0		105 48.8-115		5.47	24.5	
cis-1,2-Dichloroethylene	10.0		"	10.0		100 75.1-128		4.78	20.5	
cis-1,3-Dichloropropylene	10.5		"	10.0		105 74.5-128		0.381	19.9	
Dibromochloromethane	11.0		"	10.0		110 79.8-134		0.454	21.3	
Dibromomethane	10.3		"	10.0		103 79-130		3.25	22.4	
Dichlorodifluoromethane	10.8		"	10.0		108 47.1-101	High Bias	4.17	23.9	
Ethyl Benzene	10.1		"	10.0		101 80.8-128		2.40	19.2	
Hexachlorobutadiene	9.90		"	10.0		99.0 64.8-128		5.71	20.6	
Isopropylbenzene	9.81		"	10.0		98.1 75.5-135		1.54	20	
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105 65.1-140		6.90	23.6	
Methylene chloride	7.12		"	10.0		71.2 61.3-120		1.95	20.4	
Naphthalene	10.8		"	10.0		108 62.3-148		4.44	27.1	
n-Butylbenzene	9.97		"	10.0		99.7 67.2-123		5.57	19.1	
n-Propylbenzene	9.98		"	10.0		99.8 70.5-127		4.30	23.4	
o-Xylene	9.64		"	10.0		96.4 75.9-122		0.833	19.3	
p- & m- Xylenes	20.0		"	20.0		99.8 77.7-127		3.11	18.6	
p-Isopropyltoluene	9.83		"	10.0		98.3 75.6-129		2.16	19.1	
sec-Butylbenzene	9.92		"	10.0		99.2 71.5-125		2.76	18.9	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BL20056 - EPA 5030B

LCS Dup (BL20056-BSD1)

Prepared: 12/03/2012 Analyzed: 12/04/2012

Styrene	8.85		ug/L	10.0		88.5	77.8-123		11.4	20.9	
tert-Butylbenzene	9.88		"	10.0		98.8	75.9-151		2.56	20.9	
Tetrachloroethylene	9.12		"	10.0		91.2	63.6-167		3.69	27.7	
Toluene	9.79		"	10.0		97.9	77-123		1.44	18.7	
trans-1,2-Dichloroethylene	9.85		"	10.0		98.5	76.3-139		5.24	19.5	
trans-1,3-Dichloropropylene	10.3		"	10.0		103	72.5-137		1.76	19.3	
Trichloroethylene	9.45		"	10.0		94.5	77.9-130		0.850	20.5	
Trichlorofluoromethane	10.2		"	10.0		102	57.4-133		4.34	21.4	
Vinyl Chloride	10.6		"	10.0		106	54.9-124		4.68	22.3	

Surrogate: 1,2-Dichloroethane-d4

9.57

"

10.0

95.7

72.6-129

Surrogate: p-Bromofluorobenzene

9.88

"

10.0

98.8

63.5-145

Surrogate: Toluene-d8

9.74

"

10.0

97.4

81.2-127

Matrix Spike (BL20056-MS1)

*Source sample: 12K0807-05 (GWQ112712:1310NP1-1-7)

Prepared: 12/03/2012 Analyzed: 12/04/2012

1,1,1,2-Tetrachloroethane	9.95		ug/L	10.0	ND	99.5	82-138				
1,1,1-Trichloroethane	10.3		"	10.0	0.270	101	85.7-133				
1,1,2,2-Tetrachloroethane	10.2		"	10.0	ND	102	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	10.3		"	10.0	ND	103	82.5-129				
1,1-Dichloroethane	9.95		"	10.0	0.150	98.0	81.4-137				
1,1-Dichloroethylene	9.52		"	10.0	ND	95.2	90-138				
1,1-Dichloropropylene	8.89		"	10.0	ND	88.9	91.7-131	Low Bias			
1,2,3-Trichlorobenzene	9.60		"	10.0	ND	96.0	75.9-130				
1,2,3-Trichloropropane	9.91		"	10.0	ND	99.1	77.1-140				
1,2,4-Trichlorobenzene	9.05		"	10.0	ND	90.5	69.8-135				
1,2,4-Trimethylbenzene	9.15		"	10.0	ND	91.5	79.4-131				
1,2-Dibromo-3-chloropropane	10.2		"	10.0	ND	102	66.6-143				
1,2-Dibromoethane	10.4		"	10.0	ND	104	79.8-136				
1,2-Dichlorobenzene	9.26		"	10.0	ND	92.6	79.9-130				
1,2-Dichloroethane	10.4		"	10.0	ND	104	85-133				
1,2-Dichloropropane	9.80		"	10.0	ND	98.0	81.1-132				
1,3,5-Trimethylbenzene	9.17		"	10.0	ND	91.7	76.1-121				
1,3-Dichlorobenzene	9.15		"	10.0	ND	91.5	79.1-124				
1,3-Dichloropropane	10.3		"	10.0	ND	103	83.3-130				
1,4-Dichlorobenzene	9.31		"	10.0	ND	93.1	79.4-128				
2,2-Dichloropropane	6.90		"	10.0	ND	69.0	54.2-126				
2-Chlorotoluene	9.61		"	10.0	ND	96.1	60.2-144				
2-Hexanone	10.7		"	10.0	ND	107	70-130				
4-Chlorotoluene	9.25		"	10.0	ND	92.5	79.8-128				
Acetone	5.61		"	10.0	ND	56.1	70-130	Low Bias			
Benzene	9.84		"	10.0	ND	98.4	74.1-134				
Bromobenzene	8.72		"	10.0	ND	87.2	76.6-125				
Bromochloromethane	9.50		"	10.0	ND	95.0	85-133				
Bromodichloromethane	10.5		"	10.0	ND	105	80.8-143				
Bromoform	11.1		"	10.0	ND	111	65.8-164				
Bromomethane	6.46		"	10.0	ND	64.6	68.7-112	Low Bias			
Carbon tetrachloride	9.35		"	10.0	ND	93.5	85.7-138				
Chlorobenzene	9.67		"	10.0	ND	96.7	79.9-129				
Chloroethane	16.2		"	10.0	ND	162	74.7-127	High Bias			
Chloroform	10.0		"	10.0	0.190	98.1	50.6-145				
Chloromethane	6.99		"	10.0	ND	69.9	64-111				
cis-1,2-Dichloroethylene	9.90		"	10.0	ND	99.0	75.5-129				
cis-1,3-Dichloropropylene	9.66		"	10.0	ND	96.6	74.3-128				
Dibromochloromethane	10.8		"	10.0	ND	108	76.8-150				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC %REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BL20056 - EPA 5030B												
Matrix Spike (BL20056-MS1)		*Source sample: 12K0807-05 (GWQ112712:1310NP1-1-7)						Prepared: 12/03/2012 Analyzed: 12/04/2012				
Dibromomethane	10.6		ug/L	10.0	ND	106	83.3-140					
Dichlorodifluoromethane	9.14		"	10.0	ND	91.4	51-100					
Ethyl Benzene	9.79		"	10.0	ND	97.9	82.9-127					
Hexachlorobutadiene	8.90		"	10.0	ND	89.0	73-128					
Isopropylbenzene	9.13		"	10.0	ND	91.3	78.7-131					
Methyl tert-butyl ether (MTBE)	10.5		"	10.0	0.130	104	81.2-134					
Methylene chloride	7.02		"	10.0	ND	70.2	57.8-103					
Naphthalene	10.2		"	10.0	ND	102	80.1-122					
n-Butylbenzene	8.87		"	10.0	ND	88.7	72.4-120					
n-Propylbenzene	9.40		"	10.0	ND	94.0	74-130					
o-Xylene	9.49		"	10.0	ND	94.9	78.8-122					
p- & m- Xylenes	19.3		"	20.0	ND	96.5	82.5-123					
p-Isopropyltoluene	9.09		"	10.0	ND	90.9	64.9-132					
sec-Butylbenzene	9.22		"	10.0	ND	92.2	25.4-151					
Styrene	9.93		"	10.0	ND	99.3	74.1-134					
tert-Butylbenzene	9.23		"	10.0	ND	92.3	79.5-171					
Tetrachloroethylene	9.33		"	10.0	0.890	84.4	72.5-130					
Toluene	9.58		"	10.0	ND	95.8	77.8-121					
trans-1,2-Dichloroethylene	9.40		"	10.0	ND	94.0	83.8-140					
trans-1,3-Dichloropropylene	9.18		"	10.0	ND	91.8	74.9-136					
Trichloroethylene	9.41		"	10.0	ND	94.1	84.4-125					
Trichlorofluoromethane	10.2		"	10.0	ND	102	78.7-127					
Vinyl Chloride	8.78		"	10.0	ND	87.8	72.1-116					
<i>Surrogate: 1,2-Dichloroethane-d4</i>	8.79		"	10.0		87.9	72.6-129					
<i>Surrogate: p-Bromofluorobenzene</i>	9.96		"	10.0		99.6	63.5-145					
<i>Surrogate: Toluene-d8</i>	9.99		"	10.0		99.9	81.2-127					
Matrix Spike Dup (BL20056-MSD1)		*Source sample: 12K0807-05 (GWQ112712:1310NP1-1-7)						Prepared: 12/03/2012 Analyzed: 12/04/2012				
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0	ND	102	82-138		2.58	21.3		
1,1,1-Trichloroethane	10.9		"	10.0	0.270	106	85.7-133		5.03	22.6		
1,1,2,2-Tetrachloroethane	10.5		"	10.0	ND	105	78.6-136		3.68	23.1		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0	ND	113	74.8-131		10.0	25.6		
1,1,2-Trichloroethane	10.3		"	10.0	ND	103	82.5-129		0.389	19.3		
1,1-Dichloroethane	10.5		"	10.0	0.150	103	81.4-137		5.17	20.7		
1,1-Dichloroethylene	10.2		"	10.0	ND	102	90-138		7.09	22.9		
1,1-Dichloropropylene	9.77		"	10.0	ND	97.7	91.7-131		9.43	24.9		
1,2,3-Trichlorobenzene	10.5		"	10.0	ND	105	75.9-130		9.33	21.4		
1,2,3-Trichloropropane	10.5		"	10.0	ND	105	77.1-140		5.50	28		
1,2,4-Trichlorobenzene	10.2		"	10.0	ND	102	69.8-135		12.1	22.5		
1,2,4-Trimethylbenzene	9.80		"	10.0	ND	98.0	79.4-131		6.86	33.9		
1,2-Dibromo-3-chloropropane	11.2		"	10.0	ND	112	66.6-143		9.22	23.3		
1,2-Dibromoethane	10.7		"	10.0	ND	107	79.8-136		2.46	19.1		
1,2-Dichlorobenzene	9.89		"	10.0	ND	98.9	79.9-130		6.58	23.2		
1,2-Dichloroethane	10.4		"	10.0	ND	104	85-133		0.287	19.1		
1,2-Dichloropropane	9.76		"	10.0	ND	97.6	81.1-132		0.409	19.9		
1,3,5-Trimethylbenzene	9.94		"	10.0	ND	99.4	76.1-121		8.06	31.2		
1,3-Dichlorobenzene	9.86		"	10.0	ND	98.6	79.1-124		7.47	22.6		
1,3-Dichloropropane	10.4		"	10.0	ND	104	83.3-130		1.16	20.9		
1,4-Dichlorobenzene	9.82		"	10.0	ND	98.2	79.4-128		5.33	21		
2,2-Dichloropropane	7.13		"	10.0	ND	71.3	54.2-126		3.28	24.5		
2-Chlorotoluene	9.60		"	10.0	ND	96.0	60.2-144		0.104	30.8		
2-Hexanone	11.0		"	10.0	ND	110	70-130		3.32	30		
4-Chlorotoluene	9.84		"	10.0	ND	98.4	79.8-128		6.18	23.2		
Acetone	5.99		"	10.0	ND	59.9	70-130	Low Bias	6.55	30		

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL20056 - EPA 5030B										
Matrix Spike Dup (BL20056-MSD1)	*Source sample: 12K0807-05 (GWQ112712:1310NP1-1-7)					Prepared: 12/03/2012 Analyzed: 12/04/2012				
Benzene	10.4		ug/L	10.0	ND	104	74.1-134		5.15	20.8
Bromobenzene	9.24		"	10.0	ND	92.4	76.6-125		5.79	23
Bromochloromethane	9.84		"	10.0	ND	98.4	85-133		3.52	18.4
Bromodichloromethane	10.6		"	10.0	ND	106	80.8-143		0.570	18.1
Bromoform	11.3		"	10.0	ND	113	65.8-164		1.79	27.3
Bromomethane	6.14		"	10.0	ND	61.4	68.7-112	Low Bias	5.08	22.8
Carbon tetrachloride	10.0		"	10.0	ND	100	85.7-138		6.92	25.1
Chlorobenzene	10.1		"	10.0	ND	101	79.9-129		4.15	21
Chloroethane	14.7		"	10.0	ND	147	74.7-127	High Bias	9.59	23.7
Chloroform	10.6		"	10.0	0.190	104	50.6-145		5.45	21.7
Chloromethane	7.59		"	10.0	ND	75.9	64-111		8.23	21.4
cis-1,2-Dichloroethylene	10.5		"	10.0	ND	105	75.5-129		5.69	20.2
cis-1,3-Dichloropropylene	9.58		"	10.0	ND	95.8	74.3-128		0.832	19.8
Dibromochloromethane	11.0		"	10.0	ND	110	76.8-150		1.92	20.8
Dibromomethane	10.4		"	10.0	ND	104	83.3-140		2.76	20.4
Dichlorodifluoromethane	9.99		"	10.0	ND	99.9	51-100		8.89	27.6
Ethyl Benzene	10.2		"	10.0	ND	102	82.9-127		4.49	21.4
Hexachlorobutadiene	10.2		"	10.0	ND	102	73-128		13.1	26
Isopropylbenzene	9.92		"	10.0	ND	99.2	78.7-131		8.29	26.7
Methyl tert-butyl ether (MTBE)	11.0		"	10.0	0.130	109	81.2-134		4.42	21.2
Methylene chloride	7.08		"	10.0	ND	70.8	57.8-103		0.851	21.2
Naphthalene	12.2		"	10.0	ND	122	80.1-122		17.9	26.1
n-Butylbenzene	9.95		"	10.0	ND	99.5	72.4-120		11.5	30.8
n-Propylbenzene	9.98		"	10.0	ND	99.8	74-130		5.99	31
o-Xylene	9.85		"	10.0	ND	98.5	78.8-122		3.72	21
p- & m- Xylenes	20.4		"	20.0	ND	102	82.5-123		5.35	22.5
p-Isopropyltoluene	10.0		"	10.0	ND	100	64.9-132		9.83	25.2
sec-Butylbenzene	10.0		"	10.0	ND	100	25.4-151		8.52	25.2
Styrene	10.4		"	10.0	ND	104	74.1-134		5.01	20
tert-Butylbenzene	9.86		"	10.0	ND	98.6	79.5-171		6.60	24.8
Tetrachloroethylene	10.0		"	10.0	0.890	91.3	72.5-130		7.85	22.7
Toluene	10.0		"	10.0	ND	100	77.8-121		4.69	21.5
trans-1,2-Dichloroethylene	9.99		"	10.0	ND	99.9	83.8-140		6.09	20.1
trans-1,3-Dichloropropylene	9.28		"	10.0	ND	92.8	74.9-136		1.08	22.5
Trichloroethylene	9.67		"	10.0	ND	96.7	84.4-125		2.73	20.7
Trichlorofluoromethane	10.9		"	10.0	ND	109	78.7-127		6.46	24.7
Vinyl Chloride	9.43		"	10.0	ND	94.3	72.1-116		7.14	24.9
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.19		"	10.0		91.9	72.6-129			
<i>Surrogate: p-Bromofluorobenzene</i>	9.81		"	10.0		98.1	63.5-145			
<i>Surrogate: Toluene-d8</i>	9.77		"	10.0		97.7	81.2-127			

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
12K0807-01	GWQ112712:1435NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
12K0807-02	GWQ112712:1055NP1-1-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
12K0807-03	GWQ112712:1415NP1-1-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
12K0807-04	GWQ112712:1328NP1-1-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
12K0807-05	GWQ112712:1310NP1-1-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
12K0807-06	GWQ112712:1235NP1-1-8	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
12K0807-07	GWQ112712:1140NP1-1-9	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
- B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

YORK

ANALYTICAL LABORATORIES, INC.

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

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.

Client Information		Report to:		Invoice To:		Client Project ID		Turn-Around Time		Report Type/Deliverables	
Company: LBG	<input type="checkbox"/> SAME	<input type="checkbox"/> SAME	Name: <u>Tunde Sandor</u>	Name: <u>Mark Goldberg</u>	Summary	RUSH Same Day	Summary	Summary	Summary	QA/QC Summary	x, pdf
Address: <u>4 Research Drive,</u>			Company: <u>Same</u>	Company: <u>Same</u>	CT ETPH	RUSH Next Day	QA/QC Summary	QA/QC Summary	QA/QC Summary	CT RCP Pkg	x, pdf
Phone no.: <u>Suite 301, Shelton CT, 06484</u>			Address: <u>Same</u>	Address: <u>Same</u>	NY 310-13	RUSH Two Day	CT RCP Pkg	CT RCP Pkg	CT RCP Pkg	ASP A Pkg	
Contact Person <u>Tunde Sandor</u>			E-mail: <u>tsandor@lbgct.com</u>	E-mail: <u>Same</u>	TPH 418.1	RUSH Three Day	ASP A Pkg	ASP A Pkg	ASP A Pkg	ASP B Pkg	x, pdf
E-mail Addr.: <u>tsandor@lbgct.com</u>			Fax No.: <u>203-926-9140</u>	Fax No.: <u>Same</u>	Air TO14A	RUSH Four Day	ASP B Pkg	ASP B Pkg	ASP B Pkg	Excel	
FAX No.: <u>203-926-9140</u>					Part 360/Reactive	Standard (5-7 days)	Excel	Excel	Excel	EDD	x, Excel
Samples from: CT <u>NY</u> NJ <u>NY</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.

Tom Robson
Name (printed): Tom Robson
Signature: *Tom Robson*

Volatiles	Metals	Misc. Org.	Full Lists	Miscellaneous Parameters
8260 full 624 STARS BTXES MTBE TCL list TAGM CT RCP Arom. Halog. App. IX 802/IB list.	RCRA8 PP13 TAL CT15 Total Dissolved SPL/Per TCLP Inhib. Metals TCLP Herb Chlordane 608 Pest 608 PCB	TPH GRO TPH DR0 CT ETPH NY 310-13 TPH 418.1 Air TO14A Air TO15 Air STARS Hg. Ph. As. Cd Air VPH Air TICs Se. TL Sh. Cu. Methane Na. Mn. Pb. Cr. Hexam. Helium	Pri. Poll. TCL Degras TAL MetCN Full TCLP Full App. IX Part 360/Reactive Part 360/Reactive Part 360/Reactive NYCDEP NYSDJES TAGM	Color Phenols Nitrate Nitrite TKN Cyanide-T Cyanide-A Tot. Nitrogen Ammonia-N Chloride BOB05 BOB05 Phosphate BOB28 Tot. Phos. COD TSS Oil & Grease F.O.G. pH TDS TPH - IR

Choose Analyses Needed from the Menu Above and Enter Below

Sample Identification	Date Sampled	Sample Matrix	Volatiles	Metals	Misc. Org.	Full Lists	Miscellaneous Parameters	Container Description(s)
GWQ112712:1435NPI-1-2	11/27/12 @ 1435	GW	8260 full	RCRA8	TPH GRO	Pri. Poll.	Color	2x VOA
GWQ112712:1055NPI-1-3	1055	GW	Site Spec.	PP13	TPH DR0	TCL Degras	Phenols	2x VOA
GWQ112712:1415NPI-1-5	1415	GW	SPL/Per TCLP	TAL	CT ETPH	TAL MetCN	Nitrate	2x VOA
GWQ112712:1328NPI-1-6	1328	GW	BTXES	CT15	NY 310-13	Full TCLP	Nitrite	2x VOA
GWQ112712:1310NPI-1-7	1310	GW	MTBE	Total	TPH 418.1	Full App. IX	Tot. Nitrogen	2x VOA
GWQ112712:1310NPI-1-7M5	1310	GW	Nassau Co.	Dissolved	TPH 418.1	Full App. IX	Ammonia-N	2x VOA
GWQ112712:1310NPI-1-7M5D	1310	GW	Suffolk Co.	SPL/Per TCLP	Air TO14A	Part 360/Reactive	Chloride	2x VOA
GWQ112712:1235NPI-1-8	1235	GW	Ketones	TCLP Herb	Air TO15	Part 360/Reactive	Phosphate	2x VOA
GWQ112712:1140NPI-1-9	1140	GW	Oxyarates	TCLP Pest	Air STARS	Part 360/Reactive	Tot. Phos.	2x VOA
			TCLP list	Chlordane	Hg. Ph. As. Cd	NYCDEP	Oil & Grease	2x VOA
			Arom.	608 Pest	Air VPH	NYCDEP	TSS	2x VOA
			Halog.	608 PCB	Air TICs	NYSDJES	F.O.G.	2x VOA
			App. IX		Se. TL Sh. Cu.		pH	2x VOA
			802/IB list.		Methane		TDS	2x VOA
					Na. Mn. Pb. Cr. Hexam.		TPH - IR	2x VOA

Comments: Tom Robson 11/28/12 1515 TC field

Cool 4°C HNO3 H2SO4 NaOH NONE FROZEN

Preservation "X" those applicable

Samples Relinquished By: Tom Robson 11/28/12 1515 Date/Time: 11/28/12 1515

Samples Relinquished By: Tom Robson 11/28/12 1620 Date/Time: 11/28/12 1620

Temperature on Receipt: 4.2 °C

APPENDIX III
NOVEMBER 2012 LABORATORY ANALYTICAL REPORTS
FOR AIR SAMPLES

YORK

ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 12/06/2012

Client Project ID: Rowe Industries

York Project (SDG) No.: 12K0808

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

Report Date: 12/06/2012
Client Project ID: Rowe Industries
York Project (SDG) No.: 12K0808

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 November 28, 2012 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>
12K0808-01	AQ112712:1300NP4-1	Vapor Extraction	11/27/2012	11/28/2012
12K0808-02	AQ112712:1305NP4-2	Vapor Extraction	11/27/2012	11/28/2012
12K0808-03	AQ112712:1310NP4-3	Vapor Extraction	11/27/2012	11/28/2012

General Notes for York Project (SDG) No.: 12K0808

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

Approved By:



Robert Q. Bradley
Laboratory Director

Date: 12/06/2012

YORK

Sample Information

Client Sample ID: AQ112712:1300NP4-1

York Sample ID: 12K0808-01

York Project (SDG) No.
12K0808

Client Project ID
Rowe Industries

Matrix Collection Date/Time
Vapor Extraction November 27, 2012 1:00 pm

Date Received
11/28/2012

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	0.84	0.84	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
108-05-4	Vinyl acetate	ND		ug/m ³	1.2	1.2	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
79-01-6	Trichloroethylene	2.0		ug/m ³	0.44	0.44	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.75	0.75	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.66	0.66	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
108-88-3	Toluene	1.3		ug/m ³	0.62	0.62	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
109-99-9	Tetrahydrofuran	1.0		ug/m ³	0.49	0.49	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
127-18-4	Tetrachloroethylene	19		ug/m ³	1.1	1.1	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
100-42-5	Styrene	ND		ug/m ³	0.70	0.70	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
115-07-01	Propylene	ND		ug/m ³	0.28	0.28	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
622-96-8	p-Ethyltoluene	ND		ug/m ³	4.1	4.1	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
1330-20-7P/M	p- & m- Xylenes	1.8		ug/m ³	0.72	0.72	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
95-47-6	o-Xylene	0.86		ug/m ³	0.72	0.72	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
110-54-3	n-Hexane	ND		ug/m ³	0.58	0.58	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
142-82-5	n-Heptane	ND		ug/m ³	0.68	0.68	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
75-09-2	Methylene chloride	1.5		ug/m ³	0.57	0.57	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	1.1		ug/m ³	0.59	0.59	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.68	0.68	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
67-63-0	Isopropanol	ND		ug/m ³	0.41	0.41	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.8	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
100-41-4	Ethyl Benzene	0.86		ug/m ³	0.72	0.72	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
141-78-6	Ethyl acetate	ND		ug/m ³	0.60	0.60	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
110-82-7	Cyclohexane	ND		ug/m ³	0.57	0.57	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.75	0.75	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
156-59-2	cis-1,2-Dichloroethylene	1.0		ug/m ³	0.66	0.66	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
74-87-3	Chloromethane	ND		ug/m ³	0.34	0.34	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
67-66-3	Chloroform	1.9		ug/m ³	0.81	0.81	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
75-00-3	Chloroethane	ND		ug/m ³	0.44	0.44	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.52	0.52	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
75-15-0	Carbon disulfide	3.3		ug/m ³	0.51	0.51	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
74-83-9	Bromomethane	ND		ug/m ³	0.64	0.64	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
75-25-2	Bromoform	ND		ug/m ³	1.7	1.7	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.0	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
100-44-7	Benzyl chloride	ND		ug/m ³	0.86	0.86	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
71-43-2	Benzene	1.1		ug/m ³	0.53	0.53	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD

Sample Information

Client Sample ID: AQ112712:1300NP4-1

York Sample ID: 12K0808-01

York Project (SDG) No.
12K0808

Client Project ID
Rowe Industries

Matrix Collection Date/Time
Vapor Extraction November 27, 2012 1:00 pm

Date Received
11/28/2012

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	7.8		ug/m ³	0.39	0.39	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
591-78-6	2-Hexanone	ND		ug/m ³	1.4	1.4	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
78-93-3	2-Butanone	3.5		ug/m ³	0.49	0.49	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
123-91-1	1,4-Dioxane	ND		ug/m ³	6.0	6.0	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.99	0.99	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.99	0.99	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.72	0.72	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	1.6	1.6	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.76	0.76	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.67	0.67	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.99	0.99	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	4.1	4.1	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.2	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.66	0.66	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.67	0.67	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
75-69-4	Trichlorofluoromethane (Freon 11)	2.0		ug/m ³	0.93	0.93	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.90	0.90	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.3	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
79-34-5	1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.1	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
71-55-6	1,1,1-Trichloroethane	5.4		ug/m ³	0.90	0.90	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
75-71-8	Dichlorodifluoromethane	3.0		ug/m ³	0.82	0.82	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.3	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.3	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.68	0.68	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
108-90-7	Chlorobenzene	ND		ug/m ³	0.76	0.76	1.625	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 13:51	TD
	Surrogate Recoveries	Result			Acceptance Range						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	106 %			70-130						

Sample Information

Client Sample ID: AQ112712:1305NP4-2

York Sample ID: 12K0808-02

York Project (SDG) No.
12K0808

Client Project ID
Rowe Industries

Matrix Collection Date/Time
Vapor Extraction November 27, 2012 1:05 pm

Date Received
11/28/2012

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: AQ112712:1305NP4-2

York Sample ID: 12K0808-02

York Project (SDG) No.
12K0808

Client Project ID
Rowe Industries

Matrix Collection Date/Time
Vapor Extraction November 27, 2012 1:05 pm

Date Received
11/28/2012

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	0.90	0.90	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
108-05-4	Vinyl acetate	ND		ug/m ³	1.2	1.2	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
79-01-6	Trichloroethylene	1.9		ug/m ³	0.47	0.47	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.80	0.80	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.70	0.70	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
108-88-3	Toluene	2.8		ug/m ³	0.66	0.66	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
109-99-9	Tetrahydrofuran	ND		ug/m ³	0.52	0.52	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
127-18-4	Tetrachloroethylene	42		ug/m ³	1.2	1.2	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
100-42-5	Styrene	ND		ug/m ³	0.75	0.75	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
115-07-01	Propylene	ND		ug/m ³	0.30	0.30	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
622-96-8	p-Ethyltoluene	ND		ug/m ³	4.3	4.3	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
1330-20-7P/M	p- & m- Xylenes	5.0		ug/m ³	0.76	0.76	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
95-47-6	o-Xylene	2.1		ug/m ³	0.76	0.76	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
110-54-3	n-Hexane	ND		ug/m ³	0.62	0.62	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
142-82-5	n-Heptane	ND		ug/m ³	0.72	0.72	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
75-09-2	Methylene chloride	2.0		ug/m ³	0.61	0.61	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	1.5		ug/m ³	0.63	0.63	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.72	0.72	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
67-63-0	Isopropanol	ND		ug/m ³	0.43	0.43	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.9	1.9	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
100-41-4	Ethyl Benzene	1.6		ug/m ³	0.76	0.76	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
141-78-6	Ethyl acetate	ND		ug/m ³	0.63	0.63	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
110-82-7	Cyclohexane	ND		ug/m ³	0.60	0.60	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.80	0.80	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
156-59-2	cis-1,2-Dichloroethylene	1.6		ug/m ³	0.70	0.70	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
74-87-3	Chloromethane	ND		ug/m ³	0.36	0.36	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
67-66-3	Chloroform	2.8		ug/m ³	0.86	0.86	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
75-00-3	Chloroethane	ND		ug/m ³	0.46	0.46	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.55	0.55	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
75-15-0	Carbon disulfide	7.1		ug/m ³	0.55	0.55	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
74-83-9	Bromomethane	ND		ug/m ³	0.68	0.68	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
75-25-2	Bromoform	ND		ug/m ³	1.8	1.8	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.1	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
100-44-7	Benzyl chloride	ND		ug/m ³	0.91	0.91	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
71-43-2	Benzene	0.84		ug/m ³	0.56	0.56	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
67-64-1	Acetone	9.8		ug/m ³	0.42	0.42	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD

Sample Information

Client Sample ID: AQ112712:1305NP4-2

York Sample ID: 12K0808-02

York Project (SDG) No.
12K0808

Client Project ID
Rowe Industries

Matrix Collection Date/Time
Vapor Extraction November 27, 2012 1:05 pm

Date Received
11/28/2012

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/m ³	1.4	1.4	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
78-93-3	2-Butanone	2.4		ug/m ³	0.52	0.52	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
123-91-1	1,4-Dioxane	ND		ug/m ³	6.3	6.3	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.76	0.76	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	1.7	1.7	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.81	0.81	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.71	0.71	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	4.3	4.3	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.3	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.70	0.70	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
75-34-3	1,1-Dichloroethane	3.7		ug/m ³	0.71	0.71	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
75-69-4	Trichlorofluoromethane (Freon 11)	2.0		ug/m ³	0.99	0.99	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.96	0.96	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.3	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
71-55-6	1,1,1-Trichloroethane	13		ug/m ³	0.96	0.96	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
75-71-8	Dichlorodifluoromethane	3.3		ug/m ³	0.87	0.87	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.3	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.4	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.72	0.72	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
108-90-7	Chlorobenzene	ND		ug/m ³	0.81	0.81	1.726	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 14:41	TD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	106 %	70-130								

Sample Information

Client Sample ID: AQ112712:1310NP4-3

York Sample ID: 12K0808-03

York Project (SDG) No.
12K0808

Client Project ID
Rowe Industries

Matrix Collection Date/Time
Vapor Extraction November 27, 2012 1:10 pm

Date Received
11/28/2012

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: AQ112712:1310NP4-3

York Sample ID: 12K0808-03

York Project (SDG) No.
12K0808

Client Project ID
Rowe Industries

Matrix Collection Date/Time
Vapor Extraction November 27, 2012 1:10 pm

Date Received
11/28/2012

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	0.87	0.87	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
108-05-4	Vinyl acetate	ND		ug/m ³	1.2	1.2	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
79-01-6	Trichloroethylene	ND		ug/m ³	0.46	0.46	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.77	0.77	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.67	0.67	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
108-88-3	Toluene	0.90		ug/m ³	0.64	0.64	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
109-99-9	Tetrahydrofuran	ND		ug/m ³	0.50	0.50	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
127-18-4	Tetrachloroethylene	ND		ug/m ³	1.2	1.2	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
100-42-5	Styrene	ND		ug/m ³	0.72	0.72	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
115-07-01	Propylene	ND		ug/m ³	0.29	0.29	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
622-96-8	p-Ethyltoluene	ND		ug/m ³	4.2	4.2	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
1330-20-7P/M	p- & m- Xylenes	1.8		ug/m ³	0.74	0.74	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
95-47-6	o-Xylene	ND		ug/m ³	0.74	0.74	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
110-54-3	n-Hexane	ND		ug/m ³	0.60	0.60	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
142-82-5	n-Heptane	ND		ug/m ³	0.70	0.70	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
75-09-2	Methylene chloride	1.9		ug/m ³	0.59	0.59	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.61	0.61	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.70	0.70	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
67-63-0	Isopropanol	ND		ug/m ³	0.42	0.42	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.8	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.74	0.74	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
141-78-6	Ethyl acetate	ND		ug/m ³	0.61	0.61	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
110-82-7	Cyclohexane	ND		ug/m ³	0.58	0.58	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.77	0.77	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
156-59-2	cis-1,2-Dichloroethylene	1.3		ug/m ³	0.67	0.67	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
74-87-3	Chloromethane	1.9		ug/m ³	0.35	0.35	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
67-66-3	Chloroform	3.1		ug/m ³	0.83	0.83	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
75-00-3	Chloroethane	ND		ug/m ³	0.45	0.45	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.53	0.53	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
75-15-0	Carbon disulfide	6.8		ug/m ³	0.53	0.53	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
74-83-9	Bromomethane	ND		ug/m ³	0.66	0.66	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
75-25-2	Bromoform	ND		ug/m ³	1.8	1.8	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.1	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
100-44-7	Benzyl chloride	ND		ug/m ³	0.88	0.88	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
71-43-2	Benzene	ND		ug/m ³	0.54	0.54	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
67-64-1	Acetone	6.9		ug/m ³	0.40	0.40	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD

Sample Information

Client Sample ID: AQ112712:1310NP4-3

York Sample ID: 12K0808-03

York Project (SDG) No.
12K0808

Client Project ID
Rowe Industries

Matrix Collection Date/Time
Vapor Extraction November 27, 2012 1:10 pm

Date Received
11/28/2012

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/m ³	1.4	1.4	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
78-93-3	2-Butanone	2.7		ug/m ³	0.50	0.50	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
123-91-1	1,4-Dioxane	ND		ug/m ³	6.1	6.1	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.74	0.74	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	1.7	1.7	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.78	0.78	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.69	0.69	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	4.2	4.2	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.3	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.67	0.67	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
75-34-3	1,1-Dichloroethane	4.3		ug/m ³	0.69	0.69	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
75-69-4	Trichlorofluoromethane (Freon 11)	1.7		ug/m ³	0.95	0.95	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.93	0.93	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	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	12/05/2012 09:00	12/06/2012 15:32	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
71-55-6	1,1,1-Trichloroethane	15		ug/m ³	0.93	0.93	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
75-71-8	Dichlorodifluoromethane	3.9		ug/m ³	0.84	0.84	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.3	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.4	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.69	0.69	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
108-90-7	Chlorobenzene	ND		ug/m ³	0.78	0.78	1.669	EPA Compendium TO-15	12/05/2012 09:00	12/06/2012 15:32	TD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	70-130								

Analytical Batch Summary

Batch ID: BL20245

Preparation Method: EPA TO15 PREP

Prepared By: TD

YORK Sample ID	Client Sample ID	Preparation Date
12K0808-01	AQ112712:1300NP4-1	12/05/12
12K0808-02	AQ112712:1305NP4-2	12/05/12
12K0808-03	AQ112712:1310NP4-3	12/05/12
BL20245-BS1	LCS	12/05/12
BL20245-DUP1	Duplicate	12/05/12

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

York Analytical Laboratories, Inc.

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

Batch BL20245 - EPA TO15 PREP

LCS (BL20245-BS1)

Prepared: 12/05/2012 Analyzed: 12/06/2012

Vinyl Chloride	10.2		ppbv	10.1	101	70-130				
Vinyl acetate	4.63		"	9.70	47.7	58.1-135	Low Bias			
Trichloroethylene	9.56		"	10.2	93.7	70-130				
trans-1,3-Dichloropropylene	8.01		"	9.90	80.9	62-135				
trans-1,2-Dichloroethylene	8.94		"	9.50	94.1	58.3-130				
Toluene	11.0		"	10.8	102	64.9-126				
Tetrahydrofuran	10.6		"	10.2	104	44.6-146				
Tetrachloroethylene	10.2		"	10.5	97.0	70-130				
Styrene	12.4		"	10.7	115	66.4-132				
Propylene	11.3		"	11.0	103	62.4-150				
p-Ethyltoluene	12.5		"	10.4	120	73.8-146				
p- & m- Xylenes	23.8		"	21.0	113	56.6-136				
o-Xylene	12.5		"	10.8	115	67.8-133				
n-Hexane	10.1		"	10.3	97.8	59.7-130				
n-Heptane	10.4		"	10.4	99.6	62.3-134				
Methylene chloride	8.76		"	10.0	87.6	62.6-130				
Methyl tert-butyl ether (MTBE)	10.3		"	10.2	101	60.7-139				
4-Methyl-2-pentanone	10.2		"	10.0	102	64.5-158				
Isopropanol	6.20		"	9.90	62.6	60-150				
Hexachlorobutadiene	7.74		"	11.0	70.4	61.2-150				
Ethyl Benzene	12.1		"	10.7	113	68.4-125				
Ethyl acetate	12.5		"	10.0	125	40.6-150				
Cyclohexane	9.75		"	10.2	95.6	60.4-127				
cis-1,3-Dichloropropylene	9.46		"	10.7	88.4	65.5-129				
cis-1,2-Dichloroethylene	9.35		"	10.5	89.0	51.3-118				
Chloromethane	9.84		"	10.1	97.4	64.9-130				
Chloroform	9.34		"	10.0	93.4	65.1-130				
Chloroethane	10.7		"	10.1	106	52.1-131				
Carbon tetrachloride	8.42		"	10.1	83.4	70-130				
Carbon disulfide	8.98		"	10.0	89.8	61.8-111				
Bromomethane	8.46		"	10.2	82.9	60.1-140				
Bromoform	12.2		"	10.5	116	58.7-150				
Bromodichloromethane	10.3		"	10.2	101	65.3-127				
Benzyl chloride	6.14		"	10.2	60.2	62.5-150	Low Bias			
Benzene	9.63		"	10.4	92.6	69.5-130				
Acetone	9.47		"	10.0	94.7	55.3-133				
2-Hexanone	8.69		"	10.1	86.0	52-150				
2-Butanone	8.83		"	10.0	88.3	28.5-154				
1,4-Dioxane	11.2		"	10.2	109	50-150				
1,4-Dichlorobenzene	12.2		"	10.6	115	62.5-139				
1,3-Dichlorobenzene	11.9		"	10.2	116	71.9-153				
1,3-Butadiene	10.7		"	10.5	102	66.7-127				
1,3,5-Trimethylbenzene	12.4		"	10.6	117	65-152				
1,2-Dichlorotetrafluoroethane	9.89		"	10.1	97.9	63.3-129				
1,2-Dichloropropane	10.1		"	10.7	94.0	21.3-152				
1,2-Dichloroethane	9.85		"	10.4	94.7	51.2-124				
1,2-Dichlorobenzene	11.9		"	10.6	112	63.7-148				
1,2,4-Trimethylbenzene	12.8		"	10.7	120	67.9-152				
1,2,4-Trichlorobenzene	8.25		"	11.0	75.0	58-147				
1,1-Dichloroethylene	9.31		"	9.80	95.0	58.1-130				
1,1-Dichloroethane	9.63		"	10.2	94.4	63.3-130				
Trichlorofluoromethane (Freon 11)	9.37		"	10.5	89.2	56-132				
1,1,2-Trichloroethane	10.6		"	10.7	98.7	66-127				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.07		"	9.70	93.5	60.2-125				

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

York Analytical Laboratories, Inc.

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

Batch BL20245 - EPA TO15 PREP

LCS (BL20245-BS1)

Prepared: 12/05/2012 Analyzed: 12/06/2012

1,1,2,2-Tetrachloroethane	12.0		ppbv	10.8		111	63.7-132			
1,1,1-Trichloroethane	9.78		"	10.4		94.0	58.2-126			
Dichlorodifluoromethane	9.38		"	10.0		93.8	62.8-133			
1,2-Dibromoethane	9.81		"	10.6		92.5	70-130			
Dibromochloromethane	11.1		"	10.6		105	70-130			
Methyl Methacrylate	9.68		"	10.1		95.8	70-130			
Chlorobenzene	11.5		"	10.8		106	67.6-122			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>11.1</i>		<i>"</i>	<i>10.0</i>		<i>111</i>	<i>70-130</i>			

Duplicate (BL20245-DUP1)

*Source sample: 12K0808-01 (AQ112712:1300NP4-1)

Prepared: 12/05/2012 Analyzed: 12/06/2012

Vinyl Chloride	ND	0.84	ug/m ³		ND					25
Vinyl acetate	ND	1.2	"		ND					25
Trichloroethylene	1.7	0.44	"		2.0			14.6		25
trans-1,3-Dichloropropylene	ND	0.75	"		ND					25
trans-1,2-Dichloroethylene	ND	0.66	"		ND					25
Toluene	1.1	0.62	"		1.3			15.4		25
Tetrahydrofuran	0.97	0.49	"		1.0			4.88		25
Tetrachloroethylene	17	1.1	"		19			11.5		25
Styrene	ND	0.70	"		ND					25
Propylene	ND	0.28	"		ND					25
p-Ethyltoluene	ND	4.1	"		ND					25
p- & m- Xylenes	1.5	0.72	"		1.8			17.4		25
o-Xylene	ND	0.72	"		0.86					25
n-Hexane	ND	0.58	"		ND					25
n-Heptane	ND	0.68	"		ND					25
Methylene chloride	1.4	0.57	"		1.5			3.92		25
Methyl tert-butyl ether (MTBE)	1.0	0.59	"		1.1			5.71		25
4-Methyl-2-pentanone	ND	0.68	"		ND					25
Isopropanol	ND	0.41	"		ND					25
Hexachlorobutadiene	ND	1.8	"		ND					25
Ethyl Benzene	ND	0.72	"		0.86					25
Ethyl acetate	ND	0.60	"		ND					25
Cyclohexane	ND	0.57	"		ND					25
cis-1,3-Dichloropropylene	ND	0.75	"		ND					25
cis-1,2-Dichloroethylene	0.98	0.66	"		1.0			6.45		25
Chloromethane	ND	0.34	"		ND					25
Chloroform	1.8	0.81	"		1.9			4.44		25
Chloroethane	ND	0.44	"		ND					25
Carbon tetrachloride	ND	0.52	"		ND					25
Carbon disulfide	5.7	0.51	"		3.3			51.4		25 Non-dir.
Bromomethane	ND	0.64	"		ND					25
Bromoform	ND	1.7	"		ND					25
Bromodichloromethane	ND	1.0	"		ND					25
Benzyl chloride	ND	0.86	"		ND					25
Benzene	1.0	0.53	"		1.1			5.13		25
Acetone	7.5	0.39	"		7.8			3.58		25
2-Hexanone	ND	1.4	"		ND					25
2-Butanone	3.3	0.49	"		3.5			5.71		25
1,4-Dioxane	ND	6.0	"		ND					25
1,4-Dichlorobenzene	ND	0.99	"		ND					25
1,3-Dichlorobenzene	ND	0.99	"		ND					25
1,3-Butadiene	ND	0.72	"		ND					25
1,3,5-Trimethylbenzene	ND	1.6	"		ND					25
1,2-Dichlorotetrafluoroethane	ND	1.2	"		ND					25

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL20245 - EPA TO15 PREP										
Duplicate (BL20245-DUP1)	*Source sample: 12K0808-01 (AQ112712:1300NP4-1)					Prepared: 12/05/2012 Analyzed: 12/06/2012				
1,2-Dichloropropane	ND	0.76	ug/m ³		ND				25	
1,2-Dichloroethane	ND	0.67	"		ND				25	
1,2-Dichlorobenzene	ND	0.99	"		ND				25	
1,2,4-Trimethylbenzene	ND	4.1	"		ND				25	
1,2,4-Trichlorobenzene	ND	1.2	"		ND				25	
1,1-Dichloroethylene	ND	0.66	"		ND				25	
1,1-Dichloroethane	ND	0.67	"		ND				25	
Trichlorofluoromethane (Freon 11)	1.9	0.93	"		2.0			4.88	25	
1,1,2-Trichloroethane	ND	0.90	"		ND				25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.3	"		ND				25	
1,1,2,2-Tetrachloroethane	ND	1.1	"		ND				25	
1,1,1-Trichloroethane	5.2	0.90	"		5.4			3.39	25	
Dichlorodifluoromethane	3.0	0.82	"		3.0			0.00	25	
1,2-Dibromoethane	ND	1.3	"		ND				25	
Dibromochloromethane	ND	1.3	"		ND				25	
Methyl Methacrylate	ND	0.68	"		ND				25	
Chlorobenzene	ND	0.76	"		ND				25	
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.87</i>		<i>ppbv</i>	<i>10.0</i>		<i>98.7</i>	<i>70-130</i>			

Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- 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.
-
- ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
- RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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


Field Chain-of-Custody Record - AIR

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

York Project No. 12K0808

YOUR Information Company: <u>LBG</u> Address: <u>4 Research Dr, Suite 301</u> <u>Shelton, CT 06484</u> Phone No: <u>203-929-8555</u> Contact Person: <u>Tunde Sandor</u> E-Mail Address: <u>TSandor@LBGCT.com</u>		Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR Project ID <u>Rowe Industries</u> Purchase Order No. <u>NABSAG</u> Samples from: CT ___ NY ___ X ___ NI ___		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard(5-7 Days) <input checked="" type="checkbox"/>		Report Type/Deliverables Summary Report <u>X, pdf</u> Summary w/ QA Summary <u>X, pdf</u> CT RCP Package _____ NY ASP A Package _____ NY ASP B/CLP Pkg _____ NJDEP Reduced _____ Electronic Deliverables: _____ EDD (Specify Type) _____ Standard Excel _____ Regulatory Comparison Excel _____	
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Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

 Name (printed)
STEPHEN HNAT

Air Matrix Codes AI- INDOOR Ambient Air AO- OUTDOOR Amb Air AE- Vapor Extraction Well/ Process Gas/Effluent AS- SOIL Vapor/Sub-Slab	TO15 Volatiles and Other Gas Analyses EPA TO-14A List Tentatively Identified Compounds	Detection Limits Required ≤ 1 ug/m ³ NYSDEC VI Limits (if vapor recoveries) NJDEP low level Routine Survey Other _____
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Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
AR112712-1300NP4-1	11/27/12 1300	AE			EPA TO-15 List	6 Liter Summa canister Tedlar Bag
AR112712-1305NP4-2	1305	AE				Tedlar Bag
AR112712-1310NP4-3	1310	AE				6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag

Comments

Samples Relinquished By Tom Robson Date/Time 11/28/12 1545
 Samples Received By T. Hnat Date/Time 11/28/12 1545
 Samples Relinquished By _____ Date/Time _____
 Samples Received in LAB by _____ Date/Time _____