

TABLE 2

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

Effluent Water Quality Results

Date Sampled ^{2/}	pH ^{1/}	TDS (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis- 1,2-DCE (ug/l)	trans- 1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl- benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	5.0 to 8.5	---	5	5	5	5	5	5	5	5	5	5	5	---	10	7	---	---
6-Aug-14	7.1	94	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.37	0.032
21-Aug-14	7.0	164	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	4.20	0.046

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

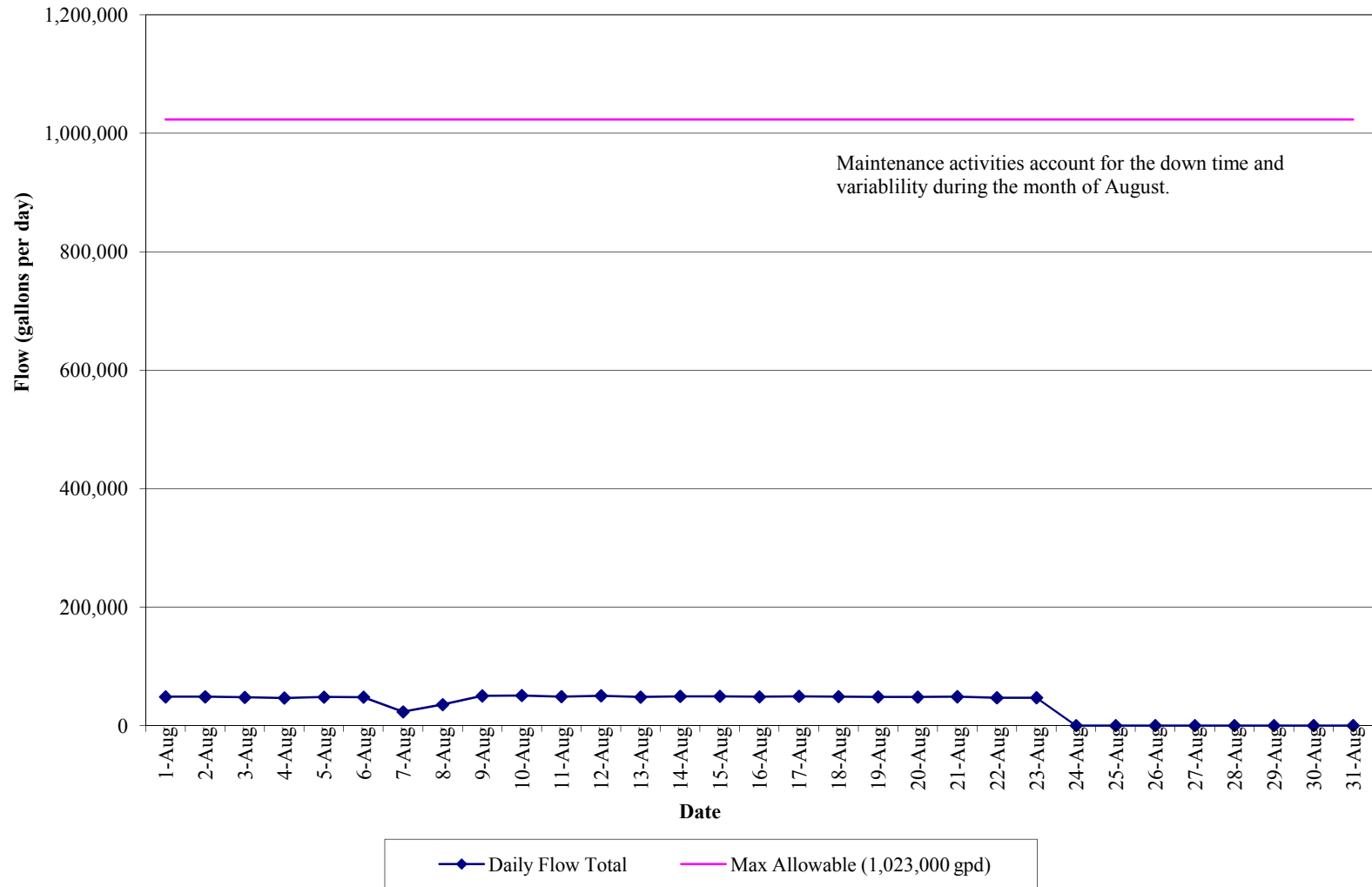
trans-1,2,-DCE: trans-1,2-Dichloroethene

Notes:

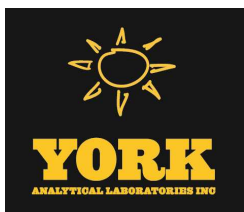
- Based on the SPDES criteria from an NYSDEC letter dated on October 21, 2011, the new allowable pH range for the Rowe Site is between 5.0 and 8.5.
- "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.

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

Effluent Flow Data
(August 1, 2014 to August 31, 2014)



APPENDIX I
AUGUST 2014 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 08/15/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14H0421

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 08/15/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14H0421

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 August 08, 2014 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>
14H0421-01	WQ080614:1030NP2-6	Water	08/06/2014	08/08/2014
14H0421-02	WQ080614:1030NP2-7	Water	08/06/2014	08/08/2014
14H0422-01	WQ080614:1040NP2-10	Water	08/06/2014	08/08/2014

General Notes for York Project (SDG) No.: 14H0421

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/15/2014





Sample Information

Client Sample ID: WQ080614:1030NP2-6

York Sample ID: 14H0421-01

York Project (SDG) No.

14H0421

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

August 6, 2014 10:30 am

Date Received

08/08/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
71-55-6	1,1,1-Trichloroethane	0.21	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS



Sample Information

Client Sample ID: WQ080614:1030NP2-6

York Sample ID: 14H0421-01

York Project (SDG) No.
14H0421

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 6, 2014 10:30 am

Date Received
08/08/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
156-59-2	cis-1,2-Dichloroethylene	0.25	J	ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
127-18-4	Tetrachloroethylene	2.0		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
79-01-6	Trichloroethylene	0.34	J	ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:11	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	97.7 %	70-128								
2037-26-5	Surrogate: Toluene-d8	95.2 %	88-114								



Sample Information

Client Sample ID: WQ080614:1030NP2-6

York Sample ID: 14H0421-01

York Project (SDG) No.
14H0421

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 6, 2014 10:30 am

Date Received
08/08/2014

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.435		mg/L	0.0146	0.0200	1	EPA 200.7	08/14/2014 13:50	08/14/2014 19:14	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA 6010C	08/14/2014 13:44	08/14/2014 16:33	MW

Sample Information

Client Sample ID: WQ080614:1030NP2-7

York Sample ID: 14H0421-02

York Project (SDG) No.
14H0421

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 6, 2014 10:35 am

Date Received
08/08/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS



Sample Information

Client Sample ID: WQ080614:1030NP2-7

York Sample ID: 14H0421-02

York Project (SDG) No.
14H0421

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 6, 2014 10:35 am

Date Received
08/08/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS



Sample Information

Client Sample ID: WQ080614:1030NP2-7

York Sample ID: 14H0421-02

York Project (SDG) No.
14H0421

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 6, 2014 10:35 am

Date Received
08/08/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/13/2014 07:59	08/13/2014 19:42	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.3 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	97.6 %	70-128								
2037-26-5	Surrogate: Toluene-d8	96.0 %	88-114								

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.269		mg/L	0.0146	0.0200	1	EPA 200.7	08/14/2014 13:50	08/14/2014 19:31	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0319		mg/L	0.0200	0.0200	1	EPA 6010C	08/14/2014 13:44	08/14/2014 16:38	MW

Sample Information

Client Sample ID: WQ080614:1040NP2-10

York Sample ID: 14H0422-01

York Project (SDG) No.
14H0422

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 6, 2014 10:40 am

Date Received
08/08/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ080614:1040NP2-10

York Sample ID: 14H0422-01

York Project (SDG) No.
14H0422

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 6, 2014 10:40 am

Date Received
08/08/2014

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS



Sample Information

Client Sample ID: WQ080614:1040NP2-10

York Sample ID: 14H0422-01

York Project (SDG) No.
14H0422

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 6, 2014 10:40 am

Date Received
08/08/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/13/2014 16:30	08/14/2014 04:13	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.0 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	94.5 %	70-128								
2037-26-5	Surrogate: Toluene-d8	95.2 %	88-114								



Sample Information

Client Sample ID: WQ080614:1040NP2-10

York Sample ID: 14H0422-01

York Project (SDG) No.
14H0422

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 6, 2014 10:40 am

Date Received
08/08/2014

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.365		mg/L	0.0146	0.0200	1	EPA 200.7	08/14/2014 13:50	08/14/2014 19:36	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0315		mg/L	0.0200	0.0200	1	EPA 6010C	08/14/2014 13:44	08/14/2014 16:43	MW

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	94.0		mg/L	10.0	10.0	1	SM 2540C	08/11/2014 09:46	08/12/2014 11:24	AA



Analytical Batch Summary

Batch ID: BH40519 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14H0422-01	WQ080614:1040NP2-10	08/11/14
BH40519-BLK1	Blank	08/11/14
BH40519-DUP1	Duplicate	08/11/14

Batch ID: BH40730 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14H0421-01	WQ080614:1030NP2-6	08/13/14
14H0421-02	WQ080614:1030NP2-7	08/13/14
BH40730-BLK1	Blank	08/13/14
BH40730-BS1	LCS	08/13/14
BH40730-BSD1	LCS Dup	08/13/14

Batch ID: BH40732 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14H0422-01	WQ080614:1040NP2-10	08/13/14
BH40732-BLK1	Blank	08/13/14
BH40732-BS1	LCS	08/13/14
BH40732-BSD1	LCS Dup	08/13/14

Batch ID: BH40810 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14H0421-01	WQ080614:1030NP2-6	08/14/14
14H0421-02	WQ080614:1030NP2-7	08/14/14
14H0422-01	WQ080614:1040NP2-10	08/14/14
BH40810-BLK1	Blank	08/14/14
BH40810-SRM1	Reference	08/14/14

Batch ID: BH40811 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14H0421-01	WQ080614:1030NP2-6	08/14/14
14H0421-02	WQ080614:1030NP2-7	08/14/14
14H0422-01	WQ080614:1040NP2-10	08/14/14
BH40811-BLK1	Blank	08/14/14
BH40811-SRM1	Reference	08/14/14



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40730 - EPA 5030B

Blank (BH40730-BLK1)

Prepared & Analyzed: 08/13/2014

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	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	1.2	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40730 - EPA 5030B

Blank (BH40730-BLK1)

Prepared & Analyzed: 08/13/2014

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

Surrogate: 1,2-Dichloroethane-d4

11.4

"

10.0

114

81-123

Surrogate: p-Bromofluorobenzene

9.64

"

10.0

96.4

70-128

Surrogate: Toluene-d8

9.55

"

10.0

95.5

88-114

LCS (BH40730-BS1)

Prepared & Analyzed: 08/13/2014

1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0	110	85-118	
1,1,1-Trichloroethane	12.3		"	10.0	123	74-128	
1,1,2,2-Tetrachloroethane	9.70		"	10.0	97.0	71-130	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	17.5		"	10.0	175	51-157	High Bias
1,1,2-Trichloroethane	9.83		"	10.0	98.3	80-122	
1,1-Dichloroethane	9.89		"	10.0	98.9	70-131	
1,1-Dichloroethylene	10.9		"	10.0	109	60-143	
1,1-Dichloropropylene	11.2		"	10.0	112	78-122	
1,2,3-Trichlorobenzene	11.7		"	10.0	117	68-140	
1,2,3-Trichloropropane	10.3		"	10.0	103	77-125	
1,2,4-Trichlorobenzene	12.0		"	10.0	120	65-143	
1,2,4-Trimethylbenzene	11.3		"	10.0	113	83-121	
1,2-Dibromo-3-chloropropane	12.2		"	10.0	122	60-146	
1,2-Dibromoethane	10.4		"	10.0	104	82-122	
1,2-Dichlorobenzene	10.8		"	10.0	108	85-115	
1,2-Dichloroethane	10.6		"	10.0	106	72-126	
1,2-Dichloropropane	9.22		"	10.0	92.2	78-119	
1,3,5-Trimethylbenzene	10.7		"	10.0	107	84-118	
1,3-Dichlorobenzene	11.1		"	10.0	111	83-117	
1,3-Dichloropropane	9.59		"	10.0	95.9	79-121	
1,4-Dichlorobenzene	11.0		"	10.0	110	83-118	
2,2-Dichloropropane	12.8		"	10.0	128	60-135	
2-Chlorotoluene	10.8		"	10.0	108	81-118	
2-Hexanone	9.91		"	10.0	99.1	50-151	
4-Chlorotoluene	10.8		"	10.0	108	81-117	
Acetone	6.62		"	10.0	66.2	21-172	
Benzene	10.4		"	10.0	104	82-120	
Bromobenzene	10.1		"	10.0	101	82-119	
Bromochloromethane	8.75		"	10.0	87.5	69-125	
Bromodichloromethane	10.4		"	10.0	104	84-117	
Bromoform	11.7		"	10.0	117	77-130	
Bromomethane	12.1		"	10.0	121	16-162	
Carbon tetrachloride	12.7		"	10.0	127	72-132	
Chlorobenzene	10.6		"	10.0	106	88-112	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40730 - EPA 5030B

LCS (BH40730-BS1)

Prepared & Analyzed: 08/13/2014

Chloroethane	9.09		ug/L	10.0		90.9	29-172				
Chloroform	11.0		"	10.0		110	77-124				
Chloromethane	6.72		"	10.0		67.2	37-131				
cis-1,2-Dichloroethylene	10.3		"	10.0		103	77-124				
cis-1,3-Dichloropropylene	10.8		"	10.0		108	81-117				
Dibromochloromethane	11.4		"	10.0		114	72-131				
Dibromomethane	10.0		"	10.0		100	85-116				
Dichlorodifluoromethane	8.97		"	10.0		89.7	47-152				
Ethyl Benzene	11.1		"	10.0		111	86-114				
Hexachlorobutadiene	12.9		"	10.0		129	68-139				
Isopropylbenzene	12.0		"	10.0		120	84-118	High Bias			
Methyl tert-butyl ether (MTBE)	9.91		"	10.0		99.1	49-156				
Methylene chloride	8.96		"	10.0		89.6	51-145				
Naphthalene	11.6		"	10.0		116	67-141				
n-Butylbenzene	11.0		"	10.0		110	76-125				
n-Propylbenzene	11.2		"	10.0		112	84-118				
o-Xylene	11.0		"	10.0		110	85-114				
p- & m- Xylenes	22.2		"	20.0		111	84-117				
p-Isopropyltoluene	12.0		"	10.0		120	84-121				
sec-Butylbenzene	11.7		"	10.0		117	85-119				
Styrene	10.9		"	10.0		109	77-126				
tert-Butylbenzene	12.1		"	10.0		121	83-119	High Bias			
Tetrachloroethylene	11.8		"	10.0		118	75-129				
Toluene	10.5		"	10.0		105	86-113				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	55-148				
trans-1,3-Dichloropropylene	10.8		"	10.0		108	77-120				
Trichloroethylene	10.9		"	10.0		109	85-115				
Trichlorofluoromethane	12.0		"	10.0		120	69-131				
Vinyl Chloride	8.87		"	10.0		88.7	44-152				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.93</i>		<i>"</i>	<i>10.0</i>		<i>99.3</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.88</i>		<i>"</i>	<i>10.0</i>		<i>98.8</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.80</i>		<i>"</i>	<i>10.0</i>		<i>98.0</i>	<i>88-114</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH40730 - EPA 5030B											
LCS Dup (BH40730-BSD1)						Prepared & Analyzed: 08/13/2014					
1,1,1,2-Tetrachloroethane	11.4		ug/L	10.0		114	85-118		3.12	30	
1,1,1-Trichloroethane	12.0		"	10.0		120	74-128		2.30	30	
1,1,2,2-Tetrachloroethane	9.42		"	10.0		94.2	71-130		2.93	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	17.2		"	10.0		172	51-157	High Bias	1.67	30	
1,1,2-Trichloroethane	9.81		"	10.0		98.1	80-122		0.204	30	
1,1-Dichloroethane	9.78		"	10.0		97.8	70-131		1.12	30	
1,1-Dichloroethylene	10.4		"	10.0		104	60-143		4.71	30	
1,1-Dichloropropylene	11.2		"	10.0		112	78-122		0.179	30	
1,2,3-Trichlorobenzene	11.4		"	10.0		114	68-140		2.60	30	
1,2,3-Trichloropropane	10.2		"	10.0		102	77-125		1.76	30	
1,2,4-Trichlorobenzene	11.8		"	10.0		118	65-143		2.01	30	
1,2,4-Trimethylbenzene	11.2		"	10.0		112	83-121		1.07	30	
1,2-Dibromo-3-chloropropane	9.16		"	10.0		91.6	60-146		28.9	30	
1,2-Dibromoethane	10.5		"	10.0		105	82-122		1.25	30	
1,2-Dichlorobenzene	10.6		"	10.0		106	85-115		2.15	30	
1,2-Dichloroethane	10.4		"	10.0		104	72-126		1.81	30	
1,2-Dichloropropane	9.25		"	10.0		92.5	78-119		0.325	30	
1,3,5-Trimethylbenzene	10.5		"	10.0		105	84-118		1.88	30	
1,3-Dichlorobenzene	11.0		"	10.0		110	83-117		0.181	30	
1,3-Dichloropropane	9.71		"	10.0		97.1	79-121		1.24	30	
1,4-Dichlorobenzene	10.9		"	10.0		109	83-118		0.825	30	
2,2-Dichloropropane	12.6		"	10.0		126	60-135		1.49	30	
2-Chlorotoluene	10.6		"	10.0		106	81-118		2.53	30	
2-Hexanone	10.0		"	10.0		100	50-151		1.10	30	
4-Chlorotoluene	10.5		"	10.0		105	81-117		3.66	30	
Acetone	8.55		"	10.0		85.5	21-172		25.4	30	
Benzene	10.3		"	10.0		103	82-120		0.675	30	
Bromobenzene	9.97		"	10.0		99.7	82-119		1.30	30	
Bromochloromethane	8.54		"	10.0		85.4	69-125		2.43	30	
Bromodichloromethane	10.6		"	10.0		106	84-117		1.71	30	
Bromoform	12.0		"	10.0		120	77-130		2.28	30	
Bromomethane	12.9		"	10.0		129	16-162		6.57	30	
Carbon tetrachloride	12.4		"	10.0		124	72-132		2.79	30	
Chlorobenzene	10.7		"	10.0		107	88-112		1.03	30	
Chloroethane	9.16		"	10.0		91.6	29-172		0.767	30	
Chloroform	10.6		"	10.0		106	77-124		3.72	30	
Chloromethane	6.60		"	10.0		66.0	37-131		1.80	30	
cis-1,2-Dichloroethylene	10.1		"	10.0		101	77-124		1.76	30	
cis-1,3-Dichloropropylene	11.0		"	10.0		110	81-117		1.19	30	
Dibromochloromethane	11.4		"	10.0		114	72-131		0.0874	30	
Dibromomethane	10.4		"	10.0		104	85-116		3.53	30	
Dichlorodifluoromethane	8.96		"	10.0		89.6	47-152		0.112	30	
Ethyl Benzene	11.1		"	10.0		111	86-114		0.00	30	
Hexachlorobutadiene	12.6		"	10.0		126	68-139		2.04	30	
Isopropylbenzene	11.7		"	10.0		117	84-118		2.53	30	
Methyl tert-butyl ether (MTBE)	9.86		"	10.0		98.6	49-156		0.506	30	
Methylene chloride	11.7		"	10.0		117	51-145		26.8	30	
Naphthalene	11.4		"	10.0		114	67-141		1.57	30	
n-Butylbenzene	10.8		"	10.0		108	76-125		1.19	30	
n-Propylbenzene	11.0		"	10.0		110	84-118		2.07	30	
o-Xylene	11.1		"	10.0		111	85-114		0.723	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40730 - EPA 5030B

LCS Dup (BH40730-BSD1)

Prepared & Analyzed: 08/13/2014

p- & m- Xylenes	22.5		ug/L	20.0		113	84-117		1.25	30	
p-Isopropyltoluene	11.9		"	10.0		119	84-121		1.17	30	
sec-Butylbenzene	11.5		"	10.0		115	85-119		1.98	30	
Styrene	11.0		"	10.0		110	77-126		1.19	30	
tert-Butylbenzene	11.8		"	10.0		118	83-119		2.42	30	
Tetrachloroethylene	11.9		"	10.0		119	75-129		0.422	30	
Toluene	10.5		"	10.0		105	86-113		0.285	30	
trans-1,2-Dichloroethylene	10.1		"	10.0		101	55-148		0.789	30	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	77-120		1.38	30	
Trichloroethylene	11.2		"	10.0		112	85-115		2.54	30	
Trichlorofluoromethane	11.6		"	10.0		116	69-131		3.65	30	
Vinyl Chloride	8.84		"	10.0		88.4	44-152		0.339	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.64</i>		<i>"</i>	<i>10.0</i>		<i>96.4</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.76</i>		<i>"</i>	<i>10.0</i>		<i>97.6</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.88</i>		<i>"</i>	<i>10.0</i>		<i>98.8</i>	<i>88-114</i>				

Batch BH40732 - EPA 5030B

Blank (BH40732-BLK1)

Prepared & Analyzed: 08/13/2014

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	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	ND	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40732 - EPA 5030B

Blank (BH40732-BLK1)

Prepared & Analyzed: 08/13/2014

Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	10.5		"	10.0		105	81-123				
Surrogate: p-Bromofluorobenzene	9.67		"	10.0		96.7	70-128				
Surrogate: Toluene-d8	9.59		"	10.0		95.9	88-114				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH40732 - EPA 5030B											
LCS (BH40732-BS1)						Prepared & Analyzed: 08/13/2014					
1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	85-118				
1,1,1-Trichloroethane	12.8		"	10.0		128	74-128				
1,1,2,2-Tetrachloroethane	9.62		"	10.0		96.2	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	18.0		"	10.0		180	51-157	High Bias			
1,1,2-Trichloroethane	10.1		"	10.0		101	80-122				
1,1-Dichloroethane	10.5		"	10.0		105	70-131				
1,1-Dichloroethylene	10.9		"	10.0		109	60-143				
1,1-Dichloropropylene	11.9		"	10.0		119	78-122				
1,2,3-Trichlorobenzene	11.7		"	10.0		117	68-140				
1,2,3-Trichloropropane	10.5		"	10.0		105	77-125				
1,2,4-Trichlorobenzene	11.9		"	10.0		119	65-143				
1,2,4-Trimethylbenzene	11.1		"	10.0		111	83-121				
1,2-Dibromo-3-chloropropane	8.14		"	10.0		81.4	60-146				
1,2-Dibromoethane	10.6		"	10.0		106	82-122				
1,2-Dichlorobenzene	10.7		"	10.0		107	85-115				
1,2-Dichloroethane	11.3		"	10.0		113	72-126				
1,2-Dichloropropane	9.06		"	10.0		90.6	78-119				
1,3,5-Trimethylbenzene	10.4		"	10.0		104	84-118				
1,3-Dichlorobenzene	11.0		"	10.0		110	83-117				
1,3-Dichloropropane	9.57		"	10.0		95.7	79-121				
1,4-Dichlorobenzene	10.9		"	10.0		109	83-118				
2,2-Dichloropropane	11.8		"	10.0		118	60-135				
2-Chlorotoluene	10.4		"	10.0		104	81-118				
2-Hexanone	9.82		"	10.0		98.2	50-151				
4-Chlorotoluene	10.3		"	10.0		103	81-117				
Acetone	8.85		"	10.0		88.5	21-172				
Benzene	11.4		"	10.0		114	82-120				
Bromobenzene	9.83		"	10.0		98.3	82-119				
Bromochloromethane	9.36		"	10.0		93.6	69-125				
Bromodichloromethane	10.2		"	10.0		102	84-117				
Bromoform	12.3		"	10.0		123	77-130				
Bromomethane	8.73		"	10.0		87.3	16-162				
Carbon tetrachloride	12.8		"	10.0		128	72-132				
Chlorobenzene	10.5		"	10.0		105	88-112				
Chloroethane	8.69		"	10.0		86.9	29-172				
Chloroform	11.6		"	10.0		116	77-124				
Chloromethane	5.64		"	10.0		56.4	37-131				
cis-1,2-Dichloroethylene	10.9		"	10.0		109	77-124				
cis-1,3-Dichloropropylene	10.4		"	10.0		104	81-117				
Dibromochloromethane	11.4		"	10.0		114	72-131				
Dibromomethane	10.4		"	10.0		104	85-116				
Dichlorodifluoromethane	8.05		"	10.0		80.5	47-152				
Ethyl Benzene	10.7		"	10.0		107	86-114				
Hexachlorobutadiene	12.1		"	10.0		121	68-139				
Isopropylbenzene	11.8		"	10.0		118	84-118				
Methyl tert-butyl ether (MTBE)	11.7		"	10.0		117	49-156				
Methylene chloride	8.82		"	10.0		88.2	51-145				
Naphthalene	11.9		"	10.0		119	67-141				
n-Butylbenzene	10.4		"	10.0		104	76-125				
n-Propylbenzene	10.9		"	10.0		109	84-118				
o-Xylene	10.8		"	10.0		108	85-114				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40732 - EPA 5030B

LCS (BH40732-BS1)

Prepared & Analyzed: 08/13/2014

p- & m- Xylenes	21.6		ug/L	20.0		108	84-117				
p-Isopropyltoluene	11.7		"	10.0		117	84-121				
sec-Butylbenzene	11.4		"	10.0		114	85-119				
Styrene	10.8		"	10.0		108	77-126				
tert-Butylbenzene	11.8		"	10.0		118	83-119				
Tetrachloroethylene	11.5		"	10.0		115	75-129				
Toluene	10.3		"	10.0		103	86-113				
trans-1,2-Dichloroethylene	10.8		"	10.0		108	55-148				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	77-120				
Trichloroethylene	10.6		"	10.0		106	85-115				
Trichlorofluoromethane	11.5		"	10.0		115	69-131				
Vinyl Chloride	8.69		"	10.0		86.9	44-152				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.77</i>		<i>"</i>	<i>10.0</i>		<i>97.7</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.67</i>		<i>"</i>	<i>10.0</i>		<i>96.7</i>	<i>88-114</i>				

LCS Dup (BH40732-BS1)

Prepared & Analyzed: 08/13/2014

1,1,1,2-Tetrachloroethane	11.2		ug/L	10.0		112	85-118		1.43	30	
1,1,1-Trichloroethane	11.9		"	10.0		119	74-128		6.72	30	
1,1,2,2-Tetrachloroethane	9.78		"	10.0		97.8	71-130		1.65	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	17.2		"	10.0		172	51-157	High Bias	4.61	30	
1,1,2-Trichloroethane	10.2		"	10.0		102	80-122		1.48	30	
1,1-Dichloroethane	9.91		"	10.0		99.1	70-131		6.16	30	
1,1-Dichloroethylene	10.2		"	10.0		102	60-143		5.97	30	
1,1-Dichloropropylene	11.2		"	10.0		112	78-122		5.99	30	
1,2,3-Trichlorobenzene	11.6		"	10.0		116	68-140		0.515	30	
1,2,3-Trichloropropane	10.7		"	10.0		107	77-125		1.89	30	
1,2,4-Trichlorobenzene	11.7		"	10.0		117	65-143		1.86	30	
1,2,4-Trimethylbenzene	11.0		"	10.0		110	83-121		1.45	30	
1,2-Dibromo-3-chloropropane	9.07		"	10.0		90.7	60-146		10.8	30	
1,2-Dibromoethane	11.0		"	10.0		110	82-122		3.61	30	
1,2-Dichlorobenzene	10.6		"	10.0		106	85-115		1.41	30	
1,2-Dichloroethane	10.5		"	10.0		105	72-126		6.80	30	
1,2-Dichloropropane	9.20		"	10.0		92.0	78-119		1.53	30	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	84-118		2.62	30	
1,3-Dichlorobenzene	10.8		"	10.0		108	83-117		1.93	30	
1,3-Dichloropropane	9.88		"	10.0		98.8	79-121		3.19	30	
1,4-Dichlorobenzene	10.7		"	10.0		107	83-118		1.95	30	
2,2-Dichloropropane	10.9		"	10.0		109	60-135		7.95	30	
2-Chlorotoluene	10.2		"	10.0		102	81-118		1.75	30	
2-Hexanone	10.3		"	10.0		103	50-151		4.58	30	
4-Chlorotoluene	10.2		"	10.0		102	81-117		0.972	30	
Acetone	9.07		"	10.0		90.7	21-172		2.46	30	
Benzene	10.6		"	10.0		106	82-120		7.02	30	
Bromobenzene	9.78		"	10.0		97.8	82-119		0.510	30	
Bromochloromethane	8.84		"	10.0		88.4	69-125		5.71	30	
Bromodichloromethane	10.4		"	10.0		104	84-117		2.33	30	
Bromoform	12.5		"	10.0		125	77-130		1.70	30	
Bromomethane	8.62		"	10.0		86.2	16-162		1.27	30	
Carbon tetrachloride	12.2		"	10.0		122	72-132		4.64	30	
Chlorobenzene	10.7		"	10.0		107	88-112		1.99	30	
Chloroethane	8.34		"	10.0		83.4	29-172		4.11	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40732 - EPA 5030B

LCS Dup (BH40732-BSD1)

Prepared & Analyzed: 08/13/2014

Chloroform	11.0		ug/L	10.0		110	77-124		4.96	30	
Chloromethane	5.44		"	10.0		54.4	37-131		3.61	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	77-124		5.28	30	
cis-1,3-Dichloropropylene	10.7		"	10.0		107	81-117		2.37	30	
Dibromochloromethane	11.7		"	10.0		117	72-131		2.52	30	
Dibromomethane	10.5		"	10.0		105	85-116		0.575	30	
Dichlorodifluoromethane	7.42		"	10.0		74.2	47-152		8.14	30	
Ethyl Benzene	10.8		"	10.0		108	86-114		0.466	30	
Hexachlorobutadiene	12.0		"	10.0		120	68-139		0.581	30	
Isopropylbenzene	11.5		"	10.0		115	84-118		2.58	30	
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	49-156		4.62	30	
Methylene chloride	8.65		"	10.0		86.5	51-145		1.95	30	
Naphthalene	11.9		"	10.0		119	67-141		0.168	30	
n-Butylbenzene	10.2		"	10.0		102	76-125		1.17	30	
n-Propylbenzene	10.7		"	10.0		107	84-118		1.67	30	
o-Xylene	10.9		"	10.0		109	85-114		1.20	30	
p- & m- Xylenes	21.8		"	20.0		109	84-117		0.877	30	
p-Isopropyltoluene	11.5		"	10.0		115	84-121		1.81	30	
sec-Butylbenzene	11.2		"	10.0		112	85-119		1.95	30	
Styrene	10.9		"	10.0		109	77-126		0.827	30	
tert-Butylbenzene	11.6		"	10.0		116	83-119		1.54	30	
Tetrachloroethylene	11.6		"	10.0		116	75-129		1.47	30	
Toluene	10.4		"	10.0		104	86-113		1.16	30	
trans-1,2-Dichloroethylene	9.98		"	10.0		99.8	55-148		7.98	30	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	77-120		0.675	30	
Trichloroethylene	10.6		"	10.0		106	85-115		0.565	30	
Trichlorofluoromethane	11.1		"	10.0		111	69-131		3.35	30	
Vinyl Chloride	8.21		"	10.0		82.1	44-152		5.68	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.80</i>		<i>"</i>	<i>10.0</i>		<i>98.0</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.64</i>		<i>"</i>	<i>10.0</i>		<i>96.4</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.73</i>		<i>"</i>	<i>10.0</i>		<i>97.3</i>	<i>88-114</i>				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40810 - EPA 3010A

Blank (BH40810-BLK1)

Prepared & Analyzed: 08/14/2014

Iron - Dissolved	ND	0.0200	mg/L
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Reference (BH40810-SRM1)

Prepared & Analyzed: 08/14/2014

Iron - Dissolved	0.323	0.0200	mg/L	0.322	100	87.3-115
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Batch BH40811 - EPA 3010A

Blank (BH40811-BLK1)

Prepared & Analyzed: 08/14/2014

Iron	ND	0.0200	mg/L
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Reference (BH40811-SRM1)

Prepared & Analyzed: 08/14/2014

Iron	0.320	0.0200	mg/L	0.322	99.4	87.3-115
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Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40519 - % Solids Prep

Blank (BH40519-BLK1)

Prepared: 08/11/2014 Analyzed: 08/12/2014

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BH40519-DUP1)

*Source sample: 14H0422-01 (WQ080614:1040NP2-10)

Prepared: 08/11/2014 Analyzed: 08/12/2014

Total Dissolved Solids 98.0 10.0 mg/L 94.0 4.17 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14H0421-01	WQ080614:1030NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14H0421-02	WQ080614:1030NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14H0422-01	WQ080614:1040NP2-10	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/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

YORK

ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

Page 1 of 1

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

York Project No. 140421

YOUR INFORMATION

Company: LBB

Address: 4 Research Dr, Suite 301

Shelton, CT 06484

Phone No. 203-929-8555

Contact Person: Tunde Sandor

E-Mail Address: TSandor@lbbct.com

Report To:

Company: Same

Address:

Phone No.

Attention:

E-Mail Address:

Invoice To:

Company: Same

Address:

Phone No.

Attention:

E-Mail Address:

YOUR PROJECT ID

Rush Industries

Purchase Order No.

NAB5A6

Turn-Around Time

RUSH - Same Day

RUSH - Next Day

RUSH - Two Day

RUSH - Three Day

RUSH - Four Day

Report Type

Summary Report X pdf

Summary w/ QA Summary X pdf

CT RCP Package

CT RCP QA/DUE Pkg

NY ASP A Package

NY ASP B Package N12-10 only

NIDEP Red. Deliv.

Electronic Data Deliverables (EDD)

Simple Excel X

NYSDEC 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):

Samples from: CT NY X NJ

Standard (5-7 Days) X

Full Lists

Corrosivity

Reactivity

Ignitability

Flash Point

Sieve Anal.

Heavy Metals

PCB/PAHs

TOX

BTU/B

Aquatic Tox

NYCDEP

Adenos

Silica

TAQM

Misc. Org.

TPH GRO

TPH DRO

CT ETPH

NY 310-13

TPH 1664

Air TO14A

Air TO15

Air STARS

Air VPH

Air TICs

Methane

Helium

Sulfur

Nitrogen

Oxygen

Carbon Dioxide

Hydrogen

Matrix Codes

S - soil

Other - specify (oil, etc)

WW - wastewater

GW - groundwater

DW - drinking water

Air-A - ambient air

Air-SV - soil vapor

Sample Matrix

GW

GW

GW

Date Sampled

8/14 1030

1035

1040

Sample Identification

WQ080614: 1030N12-6

WQ080614: 1035N12-7

WQ080614: 1040N12-10

Comments

Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SW 846-60108) / VOCs

P260 List (EPA SW 846-82608) plus from 113

Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SW 846-60108) / VOCs

P260 List (EPA SW 846-82608) plus from 113 / TDS (SH 2540C)

Preservation

Check those Applicable

Special

Instructions

Field Filled

Lab to Filler

4°C

Frozen

HCl

MeOH

Ascorbic Acid

Other

BNO

H₂SO₄

NaOH

Date/Time

Date/Time

Temperature on Receipt

3.7 °C

Rec'd by 8/8/14 3/15

8/8/14 1100

8/8/14 17:00

8/8/14 17:00

Date/Time

Date/Time

Date/Time

Date/Time

Date/Time

Date/Time

Date/Time

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YORK

ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

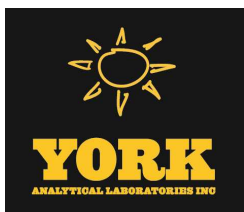
Page 1 of 1

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. 1440422

YOUR INFORMATION		Report To:		Invoice To:		YOUR PROJECT ID		Turn-Around Time		Report Type	
Company: <u>LBG</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>
Address: <u>4 Research Dr. Suite 301</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>
City: <u>Shelton, CT 06484</u>	City: <u>Shelton, CT 06484</u>	City: <u>Shelton, CT 06484</u>	City: <u>Shelton, CT 06484</u>	City: <u>Shelton, CT 06484</u>	City: <u>Shelton, CT 06484</u>	City: <u>Shelton, CT 06484</u>	City: <u>Shelton, CT 06484</u>	City: <u>Shelton, CT 06484</u>	City: <u>Shelton, CT 06484</u>	City: <u>Shelton, CT 06484</u>	City: <u>Shelton, CT 06484</u>
Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>
Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>	Contact Person: <u>Tunde Sandoz</u>
E-Mail Address: <u>TSandoz@LBGCT.com</u>	E-Mail Address: <u>TSandoz@LBGCT.com</u>	E-Mail Address: <u>TSandoz@LBGCT.com</u>	E-Mail Address: <u>TSandoz@LBGCT.com</u>	E-Mail Address: <u>TSandoz@LBGCT.com</u>	E-Mail Address: <u>TSandoz@LBGCT.com</u>	E-Mail Address: <u>TSandoz@LBGCT.com</u>	E-Mail Address: <u>TSandoz@LBGCT.com</u>	E-Mail Address: <u>TSandoz@LBGCT.com</u>	E-Mail Address: <u>TSandoz@LBGCT.com</u>	E-Mail Address: <u>TSandoz@LBGCT.com</u>	E-Mail Address: <u>TSandoz@LBGCT.com</u>
Print Clearly and Legibly - All Information must be completed. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.											
Samples Collected/Authorized By (Signature) <u>STEPHEN HAWK</u> Name (printed)											
Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor											
Choose Analyses Needed from the Menu Above and Enter Below											
Sample Identification	Date Sampled	Sample Matrix	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010) / HCLs, R260 List (EPA SW 846-8260) plus from 113								
WQ080614-1030N12-6	8/6/14 1030	GW	3x 2P								
WQ080614-1035N12-7	8/6/14 1035	GW	3x 2P								
WQ080614-1040N12-10	8/6/14 1040	GW	3x 3P								
Container Description(s)											
Temperature on Receipt 3.9 °C											

(system)



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 09/24/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14H1035

Revision No. 1.0

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/24/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14H1035

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 August 25, 2014 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>
14H1035-01	WQ082114:1140NP2-10	Water	08/21/2014	08/25/2014
14H1036-01	WQ082114:1130NP2-6	Water	08/21/2014	08/25/2014
14H1036-02	WQ082114:1135NP2-7	Water	08/21/2014	08/25/2014

General Notes for York Project (SDG) No.: 14H1035

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 09/24/2014





Sample Information

Client Sample ID: WQ082114:1140NP2-10

York Sample ID: 14H1035-01

York Project (SDG) No.

14H1035

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

August 21, 2014 11:40 am

Date Received

08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
67-64-1	Acetone	1.5	CCV-E, J, B	ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK



Sample Information

Client Sample ID: WQ082114:1140NP2-10

York Sample ID: 14H1035-01

York Project (SDG) No.
14H1035

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 21, 2014 11:40 am

Date Received
08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/29/2014 17:07	08/30/2014 01:25	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	70-128								
2037-26-5	Surrogate: Toluene-d8	101 %	88-114								



Sample Information

Client Sample ID: WQ082114:1140NP2-10

York Sample ID: 14H1035-01

York Project (SDG) No.
14H1035

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 21, 2014 11:40 am

Date Received
08/25/2014

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	4.20		mg/L	0.0146	0.0200	1	EPA 200.7	08/28/2014 13:15	08/28/2014 23:54	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0464	M-DISS	mg/L	0.0200	0.0200	1	EPA 6010C	08/28/2014 12:57	08/28/2014 21:12	MW

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	164		mg/L	10.0	10.0	1	SM 2540C	08/28/2014 12:01	08/28/2014 12:01	AA

Sample Information

Client Sample ID: WQ082114:1130NP2-6

York Sample ID: 14H1036-01

York Project (SDG) No.
14H1036

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 21, 2014 11:30 am

Date Received
08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK



Sample Information

Client Sample ID: WQ082114:1130NP2-6

York Sample ID: 14H1036-01

York Project (SDG) No.
14H1036

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 21, 2014 11:30 am

Date Received
08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
67-64-1	Acetone	1.6	CCV-E, J, B	ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
156-59-2	cis-1,2-Dichloroethylene	0.23	J	ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK



Sample Information

Client Sample ID: WQ082114:1130NP2-6

York Sample ID: 14H1036-01

York Project (SDG) No.
14H1036

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 21, 2014 11:30 am

Date Received
08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
127-18-4	Tetrachloroethylene	1.8		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
79-01-6	Trichloroethylene	0.31	J	ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/29/2014 17:07	08/30/2014 03:45	BK
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	116 %		81-123							
460-00-4	Surrogate: p-Bromofluorobenzene	106 %		70-128							
2037-26-5	Surrogate: Toluene-d8	102 %		88-114							

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	9.82		mg/L	0.0146	0.0200	1	EPA 200.7	08/28/2014 13:15	08/28/2014 23:59	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND	M-DISS	mg/L	0.0200	0.0200	1	EPA 6010C	08/28/2014 12:57	08/28/2014 21:17	MW



Sample Information

Client Sample ID: WQ082114:1135NP2-7

York Sample ID: 14H1036-02

York Project (SDG) No.
14H1036

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 21, 2014 11:35 am

Date Received
08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
67-64-1	Acetone	1.2	CCV-E, J, B	ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK



Sample Information

Client Sample ID: WQ082114:1135NP2-7

York Sample ID: 14H1036-02

York Project (SDG) No.
14H1036

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 21, 2014 11:35 am

Date Received
08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:19	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.1 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	118 %	70-128								
2037-26-5	Surrogate: Toluene-d8	106 %	88-114								



Sample Information

Client Sample ID: WQ082114:1135NP2-7

York Sample ID: 14H1036-02

York Project (SDG) No.

14H1036

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

August 21, 2014 11:35 am

Date Received

08/25/2014

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	9.08		mg/L	0.0146	0.0200	1	EPA 200.7	08/28/2014 13:15	08/29/2014 00:03	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0257		M-DISS mg/L	0.0200	0.0200	1	EPA 6010C	08/28/2014 12:57	08/28/2014 21:22	MW



Analytical Batch Summary

Batch ID: BH41494 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14H1035-01	WQ082114:1140NP2-10	08/28/14
BH41494-BLK1	Blank	08/28/14
BH41494-DUP1	Duplicate	08/28/14

Batch ID: BH41499 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14H1035-01	WQ082114:1140NP2-10	08/28/14
14H1036-01	WQ082114:1130NP2-6	08/28/14
14H1036-02	WQ082114:1135NP2-7	08/28/14
BH41499-BLK1	Blank	08/28/14
BH41499-SRM1	Reference	08/28/14

Batch ID: BH41501 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14H1035-01	WQ082114:1140NP2-10	08/28/14
14H1036-01	WQ082114:1130NP2-6	08/28/14
14H1036-02	WQ082114:1135NP2-7	08/28/14
BH41501-BLK1	Blank	08/28/14
BH41501-SRM1	Reference	08/28/14

Batch ID: BH41586 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14H1035-01	WQ082114:1140NP2-10	08/29/14
14H1036-01	WQ082114:1130NP2-6	08/29/14
14H1036-02	WQ082114:1135NP2-7	08/29/14
BH41586-BLK1	Blank	08/29/14
BH41586-BS1	LCS	08/29/14
BH41586-BSD1	LCS Dup	08/29/14



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41586 - EPA 5030B											
Blank (BH41586-BLK1)										Prepared & Analyzed: 08/29/2014	
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	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	2.0	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41586 - EPA 5030B

Blank (BH41586-BLK1)

Prepared & Analyzed: 08/29/2014

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

Surrogate: 1,2-Dichloroethane-d4

11.1

"

10.0

111

81-123

Surrogate: p-Bromofluorobenzene

10.3

"

10.0

103

70-128

Surrogate: Toluene-d8

10.2

"

10.0

102

88-114

LCS (BH41586-BS1)

Prepared & Analyzed: 08/29/2014

1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0	108	85-118
1,1,1-Trichloroethane	10.6		"	10.0	106	74-128
1,1,2,2-Tetrachloroethane	10.4		"	10.0	104	71-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0	102	51-157
1,1,2-Trichloroethane	10.1		"	10.0	101	80-122
1,1-Dichloroethane	10.6		"	10.0	106	70-131
1,1-Dichloroethylene	10.8		"	10.0	108	60-143
1,1-Dichloropropylene	10.3		"	10.0	103	78-122
1,2,3-Trichlorobenzene	9.86		"	10.0	98.6	68-140
1,2,3-Trichloropropane	10.7		"	10.0	107	77-125
1,2,4-Trichlorobenzene	10.4		"	10.0	104	65-143
1,2,4-Trimethylbenzene	11.5		"	10.0	115	83-121
1,2-Dibromo-3-chloropropane	9.60		"	10.0	96.0	60-146
1,2-Dibromoethane	10.3		"	10.0	103	82-122
1,2-Dichlorobenzene	10.7		"	10.0	107	85-115
1,2-Dichloroethane	10.1		"	10.0	101	72-126
1,2-Dichloropropane	10.7		"	10.0	107	78-119
1,3,5-Trimethylbenzene	11.0		"	10.0	110	84-118
1,3-Dichlorobenzene	10.8		"	10.0	108	83-117
1,3-Dichloropropane	10.1		"	10.0	101	79-121
1,4-Dichlorobenzene	10.6		"	10.0	106	83-118
2,2-Dichloropropane	9.42		"	10.0	94.2	60-135
2-Chlorotoluene	11.7		"	10.0	117	81-118
2-Hexanone	8.75		"	10.0	87.5	50-151
4-Chlorotoluene	11.1		"	10.0	111	81-117
Acetone	7.72		"	10.0	77.2	21-172
Benzene	10.3		"	10.0	103	82-120
Bromobenzene	11.3		"	10.0	113	82-119
Bromochloromethane	11.4		"	10.0	114	69-125
Bromodichloromethane	11.0		"	10.0	110	84-117
Bromoform	10.5		"	10.0	105	77-130
Bromomethane	8.03		"	10.0	80.3	16-162
Carbon tetrachloride	10.7		"	10.0	107	72-132
Chlorobenzene	10.6		"	10.0	106	88-112



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41586 - EPA 5030B

LCS (BH41586-BS1)

Prepared & Analyzed: 08/29/2014

Chloroethane	10.4		ug/L	10.0		104	29-172				
Chloroform	10.5		"	10.0		105	77-124				
Chloromethane	9.81		"	10.0		98.1	37-131				
cis-1,2-Dichloroethylene	10.3		"	10.0		103	77-124				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	81-117				
Dibromochloromethane	10.7		"	10.0		107	72-131				
Dibromomethane	10.2		"	10.0		102	85-116				
Dichlorodifluoromethane	11.5		"	10.0		115	47-152				
Ethyl Benzene	11.0		"	10.0		110	86-114				
Hexachlorobutadiene	11.8		"	10.0		118	68-139				
Isopropylbenzene	11.2		"	10.0		112	84-118				
Methyl tert-butyl ether (MTBE)	9.65		"	10.0		96.5	49-156				
Methylene chloride	10.4		"	10.0		104	51-145				
Naphthalene	9.42		"	10.0		94.2	67-141				
n-Butylbenzene	11.8		"	10.0		118	76-125				
n-Propylbenzene	11.3		"	10.0		113	84-118				
o-Xylene	11.0		"	10.0		110	85-114				
p- & m- Xylenes	22.1		"	20.0		110	84-117				
p-Isopropyltoluene	11.6		"	10.0		116	84-121				
sec-Butylbenzene	11.3		"	10.0		113	85-119				
Styrene	10.7		"	10.0		107	77-126				
tert-Butylbenzene	11.1		"	10.0		111	83-119				
Tetrachloroethylene	10.1		"	10.0		101	75-129				
Toluene	10.9		"	10.0		109	86-113				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	55-148				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	77-120				
Trichloroethylene	10.8		"	10.0		108	85-115				
Trichlorofluoromethane	10.4		"	10.0		104	69-131				
Vinyl Chloride	8.43		"	10.0		84.3	44-152				
Surrogate: 1,2-Dichloroethane-d4	9.50		"	10.0		95.0	81-123				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	70-128				
Surrogate: Toluene-d8	10.3		"	10.0		103	88-114				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41586 - EPA 5030B											
LCS Dup (BH41586-BSD1)						Prepared & Analyzed: 08/29/2014					
1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	85-118		3.38	30	
1,1,1-Trichloroethane	10.7		"	10.0		107	74-128		0.845	30	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	71-130		0.287	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	51-157		4.32	30	
1,1,2-Trichloroethane	10.3		"	10.0		103	80-122		1.47	30	
1,1-Dichloroethane	10.6		"	10.0		106	70-131		0.0947	30	
1,1-Dichloroethylene	10.9		"	10.0		109	60-143		1.01	30	
1,1-Dichloropropylene	10.5		"	10.0		105	78-122		1.92	30	
1,2,3-Trichlorobenzene	11.7		"	10.0		117	68-140		17.4	30	
1,2,3-Trichloropropane	10.9		"	10.0		109	77-125		1.57	30	
1,2,4-Trichlorobenzene	12.1		"	10.0		121	65-143		14.8	30	
1,2,4-Trimethylbenzene	11.7		"	10.0		117	83-121		2.33	30	
1,2-Dibromo-3-chloropropane	9.80		"	10.0		98.0	60-146		2.06	30	
1,2-Dibromoethane	10.4		"	10.0		104	82-122		1.36	30	
1,2-Dichlorobenzene	10.7		"	10.0		107	85-115		0.375	30	
1,2-Dichloroethane	10.2		"	10.0		102	72-126		1.08	30	
1,2-Dichloropropane	10.6		"	10.0		106	78-119		0.847	30	
1,3,5-Trimethylbenzene	11.3		"	10.0		113	84-118		2.06	30	
1,3-Dichlorobenzene	11.0		"	10.0		110	83-117		1.74	30	
1,3-Dichloropropane	10.2		"	10.0		102	79-121		0.197	30	
1,4-Dichlorobenzene	11.0		"	10.0		110	83-118		2.87	30	
2,2-Dichloropropane	9.48		"	10.0		94.8	60-135		0.635	30	
2-Chlorotoluene	11.6		"	10.0		116	81-118		0.343	30	
2-Hexanone	8.87		"	10.0		88.7	50-151		1.36	30	
4-Chlorotoluene	11.1		"	10.0		111	81-117		0.630	30	
Acetone	7.47		"	10.0		74.7	21-172		3.29	30	
Benzene	10.2		"	10.0		102	82-120		0.683	30	
Bromobenzene	11.1		"	10.0		111	82-119		1.34	30	
Bromochloromethane	11.4		"	10.0		114	69-125		0.263	30	
Bromodichloromethane	10.9		"	10.0		109	84-117		0.458	30	
Bromoform	10.4		"	10.0		104	77-130		0.383	30	
Bromomethane	6.35		"	10.0		63.5	16-162		23.4	30	
Carbon tetrachloride	11.1		"	10.0		111	72-132		3.67	30	
Chlorobenzene	10.8		"	10.0		108	88-112		1.49	30	
Chloroethane	10.4		"	10.0		104	29-172		0.288	30	
Chloroform	10.5		"	10.0		105	77-124		0.0955	30	
Chloromethane	9.89		"	10.0		98.9	37-131		0.812	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	77-124		0.194	30	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	81-117		0.283	30	
Dibromochloromethane	10.7		"	10.0		107	72-131		0.467	30	
Dibromomethane	10.3		"	10.0		103	85-116		0.876	30	
Dichlorodifluoromethane	11.9		"	10.0		119	47-152		2.82	30	
Ethyl Benzene	11.1		"	10.0		111	86-114		1.18	30	
Hexachlorobutadiene	12.0		"	10.0		120	68-139		1.59	30	
Isopropylbenzene	11.4		"	10.0		114	84-118		1.50	30	
Methyl tert-butyl ether (MTBE)	9.86		"	10.0		98.6	49-156		2.15	30	
Methylene chloride	10.1		"	10.0		101	51-145		2.64	30	
Naphthalene	12.2		"	10.0		122	67-141		26.1	30	
n-Butylbenzene	13.1		"	10.0		131	76-125	High Bias	10.3	30	
n-Propylbenzene	11.4		"	10.0		114	84-118		1.06	30	
o-Xylene	11.1		"	10.0		111	85-114		0.362	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41586 - EPA 5030B

LCS Dup (BH41586-BSD1)

Prepared & Analyzed: 08/29/2014

p- & m- Xylenes	22.2		ug/L	20.0		111	84-117		0.722	30
p-Isopropyltoluene	11.9		"	10.0		119	84-121		3.07	30
sec-Butylbenzene	11.5		"	10.0		115	85-119		1.67	30
Styrene	10.7		"	10.0		107	77-126		0.0932	30
tert-Butylbenzene	11.2		"	10.0		112	83-119		0.896	30
Tetrachloroethylene	10.1		"	10.0		101	75-129		0.0993	30
Toluene	10.9		"	10.0		109	86-113		0.643	30
trans-1,2-Dichloroethylene	10.5		"	10.0		105	55-148		0.285	30
trans-1,3-Dichloropropylene	10.4		"	10.0		104	77-120		0.0966	30
Trichloroethylene	10.9		"	10.0		109	85-115		1.11	30
Trichlorofluoromethane	10.7		"	10.0		107	69-131		2.75	30
Vinyl Chloride	8.30		"	10.0		83.0	44-152		1.55	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.73</i>		<i>"</i>	<i>10.0</i>		<i>97.3</i>	<i>81-123</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>70-128</i>			
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>88-114</i>			



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41499 - EPA 3010A

Blank (BH41499-BLK1)

Prepared & Analyzed: 08/28/2014

Iron - Dissolved	ND	0.0200	mg/L
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Reference (BH41499-SRM1)

Prepared & Analyzed: 08/28/2014

Iron - Dissolved	0.324	0.0200	mg/L	0.322	101	87.3-115
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Batch BH41501 - EPA 3010A

Blank (BH41501-BLK1)

Prepared & Analyzed: 08/28/2014

Iron	ND	0.0200	mg/L
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Reference (BH41501-SRM1)

Prepared & Analyzed: 08/28/2014

Iron	0.320	0.0200	mg/L	0.322	99.3	87.3-115
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Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41494 - % Solids Prep

Blank (BH41494-BLK1)

Prepared & Analyzed: 08/28/2014

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BH41494-DUP1)

*Source sample: 14H1035-01 (WQ082114:1140NP2-10)

Prepared & Analyzed: 08/28/2014

Total Dissolved Solids 154 10.0 mg/L 164 6.29 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14H1035-01	WQ082114:1140NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14H1036-01	WQ082114:1130NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14H1036-02	WQ082114:1135NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-DISS	The sample submitted for Dissolved Metals was not field filtered. The sample was filtered at the laboratory.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

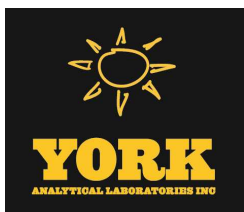
Certification for pH is no longer offered by NYDOH ELAP.



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

Revision Description: This report has been revised to correct the Total and Dissolved Iron results.

APPENDIX II
AUGUST 2014 LABORATORY ANALYTICAL REPORTS
FOR FSP&T AND FP&T RECOVERY WELLS



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 09/02/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14H1032

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/02/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14H1032

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 August 25, 2014 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>
14H1032-01	WQ082114:1030NP1-1-2	Water	08/21/2014	08/25/2014

General Notes for York Project (SDG) No.: 14H1032

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 09/02/2014





Sample Information

Client Sample ID: WQ082114:1030NP1-1-2

York Sample ID: 14H1032-01

York Project (SDG) No.

14H1032

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

August 21, 2014 10:30 am

Date Received

08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
71-55-6	1,1,1-Trichloroethane	0.23	J	ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
67-64-1	Acetone	1.3	CCV-E, J, B	ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK



Sample Information

Client Sample ID: WQ082114:1030NP1-1-2

York Sample ID: 14H1032-01

York Project (SDG) No.
14H1032

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
August 21, 2014 10:30 am

Date Received
08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
127-18-4	Tetrachloroethylene	0.45	J	ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
79-01-6	Trichloroethylene	0.32	J	ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/29/2014 17:07	08/30/2014 04:54	BK

Surrogate Recoveries		Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	81-123
460-00-4	Surrogate: p-Bromofluorobenzene	110 %	70-128
2037-26-5	Surrogate: Toluene-d8	105 %	88-114



Analytical Batch Summary

Batch ID: BH41586

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
14H1032-01	WQ082114:1030NP1-1-2	08/29/14
BH41586-BLK1	Blank	08/29/14
BH41586-BS1	LCS	08/29/14
BH41586-BSD1	LCS Dup	08/29/14



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41586 - EPA 5030B											
Blank (BH41586-BLK1)										Prepared & Analyzed: 08/29/2014	
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	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	2.0	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41586 - EPA 5030B

Blank (BH41586-BLK1)

Prepared & Analyzed: 08/29/2014

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

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.1</i>		<i>"</i>	<i>10.0</i>		<i>111</i>	<i>81-123</i>
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>70-128</i>
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>88-114</i>

LCS (BH41586-BS1)

Prepared & Analyzed: 08/29/2014

1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	85-118
1,1,1-Trichloroethane	10.6		"	10.0		106	74-128
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	71-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	51-157
1,1,2-Trichloroethane	10.1		"	10.0		101	80-122
1,1-Dichloroethane	10.6		"	10.0		106	70-131
1,1-Dichloroethylene	10.8		"	10.0		108	60-143
1,1-Dichloropropylene	10.3		"	10.0		103	78-122
1,2,3-Trichlorobenzene	9.86		"	10.0		98.6	68-140
1,2,3-Trichloropropane	10.7		"	10.0		107	77-125
1,2,4-Trichlorobenzene	10.4		"	10.0		104	65-143
1,2,4-Trimethylbenzene	11.5		"	10.0		115	83-121
1,2-Dibromo-3-chloropropane	9.60		"	10.0		96.0	60-146
1,2-Dibromoethane	10.3		"	10.0		103	82-122
1,2-Dichlorobenzene	10.7		"	10.0		107	85-115
1,2-Dichloroethane	10.1		"	10.0		101	72-126
1,2-Dichloropropane	10.7		"	10.0		107	78-119
1,3,5-Trimethylbenzene	11.0		"	10.0		110	84-118
1,3-Dichlorobenzene	10.8		"	10.0		108	83-117
1,3-Dichloropropane	10.1		"	10.0		101	79-121
1,4-Dichlorobenzene	10.6		"	10.0		106	83-118
2,2-Dichloropropane	9.42		"	10.0		94.2	60-135
2-Chlorotoluene	11.7		"	10.0		117	81-118
2-Hexanone	8.75		"	10.0		87.5	50-151
4-Chlorotoluene	11.1		"	10.0		111	81-117
Acetone	7.72		"	10.0		77.2	21-172
Benzene	10.3		"	10.0		103	82-120
Bromobenzene	11.3		"	10.0		113	82-119
Bromochloromethane	11.4		"	10.0		114	69-125
Bromodichloromethane	11.0		"	10.0		110	84-117
Bromoform	10.5		"	10.0		105	77-130
Bromomethane	8.03		"	10.0		80.3	16-162
Carbon tetrachloride	10.7		"	10.0		107	72-132
Chlorobenzene	10.6		"	10.0		106	88-112



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41586 - EPA 5030B

LCS (BH41586-BS1)

Prepared & Analyzed: 08/29/2014

Chloroethane	10.4		ug/L	10.0		104	29-172				
Chloroform	10.5		"	10.0		105	77-124				
Chloromethane	9.81		"	10.0		98.1	37-131				
cis-1,2-Dichloroethylene	10.3		"	10.0		103	77-124				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	81-117				
Dibromochloromethane	10.7		"	10.0		107	72-131				
Dibromomethane	10.2		"	10.0		102	85-116				
Dichlorodifluoromethane	11.5		"	10.0		115	47-152				
Ethyl Benzene	11.0		"	10.0		110	86-114				
Hexachlorobutadiene	11.8		"	10.0		118	68-139				
Isopropylbenzene	11.2		"	10.0		112	84-118				
Methyl tert-butyl ether (MTBE)	9.65		"	10.0		96.5	49-156				
Methylene chloride	10.4		"	10.0		104	51-145				
Naphthalene	9.42		"	10.0		94.2	67-141				
n-Butylbenzene	11.8		"	10.0		118	76-125				
n-Propylbenzene	11.3		"	10.0		113	84-118				
o-Xylene	11.0		"	10.0		110	85-114				
p- & m- Xylenes	22.1		"	20.0		110	84-117				
p-Isopropyltoluene	11.6		"	10.0		116	84-121				
sec-Butylbenzene	11.3		"	10.0		113	85-119				
Styrene	10.7		"	10.0		107	77-126				
tert-Butylbenzene	11.1		"	10.0		111	83-119				
Tetrachloroethylene	10.1		"	10.0		101	75-129				
Toluene	10.9		"	10.0		109	86-113				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	55-148				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	77-120				
Trichloroethylene	10.8		"	10.0		108	85-115				
Trichlorofluoromethane	10.4		"	10.0		104	69-131				
Vinyl Chloride	8.43		"	10.0		84.3	44-152				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.50</i>		<i>"</i>	<i>10.0</i>		<i>95.0</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>88-114</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41586 - EPA 5030B											
LCS Dup (BH41586-BSD1)						Prepared & Analyzed: 08/29/2014					
1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	85-118		3.38	30	
1,1,1-Trichloroethane	10.7		"	10.0		107	74-128		0.845	30	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	71-130		0.287	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	51-157		4.32	30	
1,1,2-Trichloroethane	10.3		"	10.0		103	80-122		1.47	30	
1,1-Dichloroethane	10.6		"	10.0		106	70-131		0.0947	30	
1,1-Dichloroethylene	10.9		"	10.0		109	60-143		1.01	30	
1,1-Dichloropropylene	10.5		"	10.0		105	78-122		1.92	30	
1,2,3-Trichlorobenzene	11.7		"	10.0		117	68-140		17.4	30	
1,2,3-Trichloropropane	10.9		"	10.0		109	77-125		1.57	30	
1,2,4-Trichlorobenzene	12.1		"	10.0		121	65-143		14.8	30	
1,2,4-Trimethylbenzene	11.7		"	10.0		117	83-121		2.33	30	
1,2-Dibromo-3-chloropropane	9.80		"	10.0		98.0	60-146		2.06	30	
1,2-Dibromoethane	10.4		"	10.0		104	82-122		1.36	30	
1,2-Dichlorobenzene	10.7		"	10.0		107	85-115		0.375	30	
1,2-Dichloroethane	10.2		"	10.0		102	72-126		1.08	30	
1,2-Dichloropropane	10.6		"	10.0		106	78-119		0.847	30	
1,3,5-Trimethylbenzene	11.3		"	10.0		113	84-118		2.06	30	
1,3-Dichlorobenzene	11.0		"	10.0		110	83-117		1.74	30	
1,3-Dichloropropane	10.2		"	10.0		102	79-121		0.197	30	
1,4-Dichlorobenzene	11.0		"	10.0		110	83-118		2.87	30	
2,2-Dichloropropane	9.48		"	10.0		94.8	60-135		0.635	30	
2-Chlorotoluene	11.6		"	10.0		116	81-118		0.343	30	
2-Hexanone	8.87		"	10.0		88.7	50-151		1.36	30	
4-Chlorotoluene	11.1		"	10.0		111	81-117		0.630	30	
Acetone	7.47		"	10.0		74.7	21-172		3.29	30	
Benzene	10.2		"	10.0		102	82-120		0.683	30	
Bromobenzene	11.1		"	10.0		111	82-119		1.34	30	
Bromochloromethane	11.4		"	10.0		114	69-125		0.263	30	
Bromodichloromethane	10.9		"	10.0		109	84-117		0.458	30	
Bromoform	10.4		"	10.0		104	77-130		0.383	30	
Bromomethane	6.35		"	10.0		63.5	16-162		23.4	30	
Carbon tetrachloride	11.1		"	10.0		111	72-132		3.67	30	
Chlorobenzene	10.8		"	10.0		108	88-112		1.49	30	
Chloroethane	10.4		"	10.0		104	29-172		0.288	30	
Chloroform	10.5		"	10.0		105	77-124		0.0955	30	
Chloromethane	9.89		"	10.0		98.9	37-131		0.812	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	77-124		0.194	30	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	81-117		0.283	30	
Dibromochloromethane	10.7		"	10.0		107	72-131		0.467	30	
Dibromomethane	10.3		"	10.0		103	85-116		0.876	30	
Dichlorodifluoromethane	11.9		"	10.0		119	47-152		2.82	30	
Ethyl Benzene	11.1		"	10.0		111	86-114		1.18	30	
Hexachlorobutadiene	12.0		"	10.0		120	68-139		1.59	30	
Isopropylbenzene	11.4		"	10.0		114	84-118		1.50	30	
Methyl tert-butyl ether (MTBE)	9.86		"	10.0		98.6	49-156		2.15	30	
Methylene chloride	10.1		"	10.0		101	51-145		2.64	30	
Naphthalene	12.2		"	10.0		122	67-141		26.1	30	
n-Butylbenzene	13.1		"	10.0		131	76-125	High Bias	10.3	30	
n-Propylbenzene	11.4		"	10.0		114	84-118		1.06	30	
o-Xylene	11.1		"	10.0		111	85-114		0.362	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

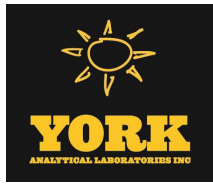
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41586 - EPA 5030B

LCS Dup (BH41586-BSD1)

Prepared & Analyzed: 08/29/2014

p- & m- Xylenes	22.2		ug/L	20.0		111	84-117		0.722	30
p-Isopropyltoluene	11.9		"	10.0		119	84-121		3.07	30
sec-Butylbenzene	11.5		"	10.0		115	85-119		1.67	30
Styrene	10.7		"	10.0		107	77-126		0.0932	30
tert-Butylbenzene	11.2		"	10.0		112	83-119		0.896	30
Tetrachloroethylene	10.1		"	10.0		101	75-129		0.0993	30
Toluene	10.9		"	10.0		109	86-113		0.643	30
trans-1,2-Dichloroethylene	10.5		"	10.0		105	55-148		0.285	30
trans-1,3-Dichloropropylene	10.4		"	10.0		104	77-120		0.0966	30
Trichloroethylene	10.9		"	10.0		109	85-115		1.11	30
Trichlorofluoromethane	10.7		"	10.0		107	69-131		2.75	30
Vinyl Chloride	8.30		"	10.0		83.0	44-152		1.55	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.73</i>		<i>"</i>	<i>10.0</i>		<i>97.3</i>	<i>81-123</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>70-128</i>			
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>88-114</i>			



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14H1032-01	WQ082114:1030NP1-1-2	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/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



ANALYTICAL LABORATORIES, INC.

1120 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. Your signature binds you to York's Std. Terms & Conditions.

Page 1 of 1

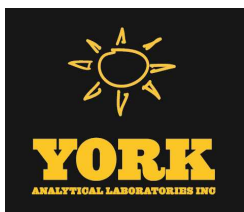
141A1032

York Project No.

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type							
Company: <u>LBB</u>	Company: <u>Same</u>	Company: <u>Same</u>		Company: <u>Same</u>		Purchase Order No. <u>HAB546</u>		RUSH - Same Day ☐		Summary Report <u>X</u> <u>pdf</u>							
Address: <u>4 Research Dr, Suite 301</u>	Address: <u>Same</u>	Address: <u>Same</u>		Address: <u>Same</u>				RUSH - Next Day ☐		Summary w/ QA summary <u>X</u> <u>pdf</u>							
Phone No. <u>203-929-8555</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>		Phone No. <u>Same</u>				RUSH - Two Day ☐		CT RCP Package							
Contact Person: <u>Tunde Sandor</u>	Attention: <u>Same</u>	Attention: <u>Same</u>		Attention: <u>Same</u>				RUSH - Three Day ☐		CT RCP DQ/DUE Pkg							
E-Mail Address: <u>TSandor@LBBCT.com</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>		E-Mail Address: <u>Same</u>				RUSH - Four Day ☐		NY ASP A Package							
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 (all etc) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Volatiles 8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App IX list 8021B list		Semi-Vols. <u>623</u> STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NIDEP list App IX 8021B list		Metals NCRAS PP13 list TAL CT15 list TAGM list NIDEP list Total Dissolved SFP-Per-TCLP TCLP Herb Culturdane 608 Pest SFP-Per-TCLP		Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-15 TPH 1664 Air TO-14A Air TO-15 Air STARS SFP-Per-TCLP Air-VPH Indus. Disinfect LIST Below Helium		Full Lists Pst. Full TCL Capcns TAL Meron Full TCLP Full App. IX Pst. 300-Residue Pst. 300-Residue Pst. 300-Residue NYDEP-Sover NYDEP-Sover TAGM Silica		Misc. Conductivity Reactivity Ignitability Flash Point Sieve Anal. Heteroatoms TOX BTUE Aquatic Tox TOC NYDEP-Sover Asbestos Silica		Simple Excel <u>X</u> NYSDEC EQUIS EQUIS (std) EZ-EDD (EQUIS) NIDEP SRP HazSite EDD GIS/KEY (std) Other York Regulatory Comparison Excel Spreadsheet Consistent to the following Regs. (please fill in).	
		Name (printed) <u>STEFEN HINAT</u>		Date Sampled <u>8/21/14 1030</u>		Sample Matrix <u>GW</u>		Choose Analyses Needed from the Menu Above and Enter Below <u>VOC 8260 full list (EPA SW846-8260) plus from 113</u>		Container Description(s) <u>3V</u>							
Comments <u>WQ082114-1020N1-1-2</u>		Preservation Check those Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐		4°C ☐ Frozen ☐ HCl ☐ ZnAc ☐ Ascorbic Acid ☐ MeOH ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ Other ☐		Samples Relinquished By <u>[Signature]</u> Date/Time <u>8/21/14 1241</u>		Samples Received By <u>[Signature]</u> Date/Time <u>8/21/14 1220</u>		Temperature on Receipt <u>4.5 °C</u>							

REC'D 8/25/14 16:15

(RW & FRW)



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 09/02/2014

Client Project ID: Rowe Industries Site

York Project (SDG) No.: 14H1106

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/02/2014
Client Project ID: Rowe Industries Site
York Project (SDG) No.: 14H1106

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 August 25, 2014 and listed below. The project was identified as your project: **Rowe Industries Site**.

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>
14H1106-01	WQ082114:1040FRW1/MS/MSD	Water	08/21/2014	08/25/2014
14H1106-02	WQ082114:1045FRW2	Water	08/21/2014	08/25/2014
14H1106-03	WQ082114:1050FRW3	Water	08/21/2014	08/25/2014
14H1106-04	WQ082114:1055FRW4	Water	08/21/2014	08/25/2014

General Notes for York Project (SDG) No.: 14H1106

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 09/02/2014





Sample Information

Client Sample ID: WQ082114:1040FRW1/MS/MSD

York Sample ID: 14H1106-01

York Project (SDG) No.

14H1106

Client Project ID

Rowe Industries Site

Matrix

Water

Collection Date/Time

August 21, 2014 10:40 am

Date Received

08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
71-55-6	1,1,1-Trichloroethane	0.35	J	ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS



Sample Information

Client Sample ID: WQ082114:1040FRW1/MS/MSD

York Sample ID: 14H1106-01

York Project (SDG) No.
14H1106

Client Project ID
Rowe Industries Site

Matrix
Water

Collection Date/Time
August 21, 2014 10:40 am

Date Received
08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
156-59-2	cis-1,2-Dichloroethylene	0.31	J	ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
127-18-4	Tetrachloroethylene	29		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
79-01-6	Trichloroethylene	0.52	CCV-E	ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/29/2014 16:20	08/30/2014 05:37	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	70-128								
2037-26-5	Surrogate: Toluene-d8	110 %	88-114								



Sample Information

Client Sample ID: WQ082114:1045FRW2

York Sample ID: 14H1106-02

York Project (SDG) No.

14H1106

Client Project ID

Rowe Industries Site

Matrix

Water

Collection Date/Time

August 21, 2014 10:45 am

Date Received

08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS



Sample Information

Client Sample ID: WQ082114:1045FRW2

York Sample ID: 14H1106-02

York Project (SDG) No.
14H1106

Client Project ID
Rowe Industries Site

Matrix
Water

Collection Date/Time
August 21, 2014 10:45 am

Date Received
08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
127-18-4	Tetrachloroethylene	15		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
79-01-6	Trichloroethylene	0.23	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:09	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	124 %	S-08	81-123							
460-00-4	Surrogate: p-Bromofluorobenzene	104 %		70-128							
2037-26-5	Surrogate: Toluene-d8	95.3 %		88-114							



Sample Information

Client Sample ID: WQ082114:1050FRW3

York Sample ID: 14H1106-03

York Project (SDG) No.

14H1106

Client Project ID

Rowe Industries Site

Matrix

Water

Collection Date/Time

August 21, 2014 10:50 am

Date Received

08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
71-55-6	1,1,1-Trichloroethane	0.36	J	ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS



Sample Information

Client Sample ID: WQ082114:1050FRW3

York Sample ID: 14H1106-03

York Project (SDG) No.
14H1106

Client Project ID
Rowe Industries Site

Matrix
Water

Collection Date/Time
August 21, 2014 10:50 am

Date Received
08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
156-59-2	cis-1,2-Dichloroethylene	1.3		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
98-82-8	Isopropylbenzene	1.0		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
103-65-1	n-Propylbenzene	0.69		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
127-18-4	Tetrachloroethylene	43		ug/L	0.40	1.0	2	EPA 8260C	08/29/2014 16:20	09/02/2014 14:27	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
79-01-6	Trichloroethylene	2.3	CCV-E	ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/29/2014 16:20	08/30/2014 06:42	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.1 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	70-128								
2037-26-5	Surrogate: Toluene-d8	107 %	88-114								



Sample Information

Client Sample ID: WQ082114:1055FRW4

York Sample ID: 14H1106-04

York Project (SDG) No.

14H1106

Client Project ID

Rowe Industries Site

Matrix

Water

Collection Date/Time

August 21, 2014 10:55 am

Date Received

08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS



Sample Information

Client Sample ID: WQ082114:1055FRW4

York Sample ID: 14H1106-04

York Project (SDG) No.
14H1106

Client Project ID
Rowe Industries Site

Matrix
Water

Collection Date/Time
August 21, 2014 10:55 am

Date Received
08/25/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
127-18-4	Tetrachloroethylene	4.0		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/29/2014 16:20	08/30/2014 07:14	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %		81-123							
460-00-4	Surrogate: p-Bromofluorobenzene	106 %		70-128							
2037-26-5	Surrogate: Toluene-d8	115 %	S-HI	88-114							



Analytical Batch Summary

Batch ID: BH41589

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
14H1106-01	WQ082114:1040FRW1/MS/M	08/29/14
14H1106-02	WQ082114:1045FRW2	08/29/14
14H1106-03	WQ082114:1050FRW3	08/29/14
14H1106-04	WQ082114:1055FRW4	08/29/14
BH41589-BLK1	Blank	08/29/14
BH41589-BS1	LCS	08/29/14
BH41589-BSD1	LCS Dup	08/29/14
BH41589-MS1	Matrix Spike	08/29/14
BH41589-MSD1	Matrix Spike Dup	08/29/14

Batch ID: BI40063

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
14H1106-03RE1	WQ082114:1050FRW3	09/02/14
BI40063-BLK1	Blank	09/02/14
BI40063-BS1	LCS	09/02/14
BI40063-BSD1	LCS Dup	09/02/14



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41589 - EPA 5030B

Blank (BH41589-BLK1)

Prepared: 08/29/2014 Analyzed: 08/30/2014

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	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	2.3	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	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41589 - EPA 5030B

Blank (BH41589-BLK1)

Prepared: 08/29/2014 Analyzed: 08/30/2014

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

Surrogate: 1,2-Dichloroethane-d4	14.3	"	10.0	143	81-123
Surrogate: p-Bromofluorobenzene	9.77	"	10.0	97.7	70-128
Surrogate: Toluene-d8	9.63	"	10.0	96.3	88-114

LCS (BH41589-BS1)

Prepared: 08/29/2014 Analyzed: 08/30/2014

1,1,1,2-Tetrachloroethane	11.1	ug/L	10.0	111	85-118	
1,1,1-Trichloroethane	14.0	"	10.0	140	74-128	High Bias
1,1,2,2-Tetrachloroethane	8.67	"	10.0	86.7	71-130	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.9	"	10.0	139	51-157	
1,1,2-Trichloroethane	9.59	"	10.0	95.9	80-122	
1,1-Dichloroethane	13.0	"	10.0	130	70-131	
1,1-Dichloroethylene	13.3	"	10.0	133	60-143	
1,1-Dichloropropylene	13.8	"	10.0	138	78-122	High Bias
1,2,3-Trichlorobenzene	12.0	"	10.0	120	68-140	
1,2,3-Trichloropropane	8.80	"	10.0	88.0	77-125	
1,2,4-Trichlorobenzene	11.7	"	10.0	117	65-143	
1,2,4-Trimethylbenzene	10.2	"	10.0	102	83-121	
1,2-Dibromo-3-chloropropane	10.3	"	10.0	103	60-146	
1,2-Dibromoethane	10.5	"	10.0	105	82-122	
1,2-Dichlorobenzene	10.0	"	10.0	100	85-115	
1,2-Dichloroethane	13.1	"	10.0	131	72-126	High Bias
1,2-Dichloropropane	9.57	"	10.0	95.7	78-119	
1,3,5-Trimethylbenzene	9.97	"	10.0	99.7	84-118	
1,3-Dichlorobenzene	9.64	"	10.0	96.4	83-117	
1,3-Dichloropropane	9.69	"	10.0	96.9	79-121	
1,4-Dichlorobenzene	9.50	"	10.0	95.0	83-118	
2,2-Dichloropropane	11.9	"	10.0	119	60-135	
2-Chlorotoluene	9.60	"	10.0	96.0	81-118	
2-Hexanone	10.3	"	10.0	103	50-151	
4-Chlorotoluene	9.33	"	10.0	93.3	81-117	
Acetone	11.8	"	10.0	118	21-172	
Benzene	12.8	"	10.0	128	82-120	High Bias
Bromobenzene	9.06	"	10.0	90.6	82-119	
Bromochloromethane	12.5	"	10.0	125	69-125	
Bromodichloromethane	11.1	"	10.0	111	84-117	
Bromoform	11.4	"	10.0	114	77-130	
Bromomethane	15.8	"	10.0	158	16-162	
Carbon tetrachloride	14.4	"	10.0	144	72-132	High Bias
Chlorobenzene	10.4	"	10.0	104	88-112	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41589 - EPA 5030B

LCS (BH41589-BS1)

Prepared: 08/29/2014 Analyzed: 08/30/2014

Chloroethane	14.5		ug/L	10.0		145	29-172				
Chloroform	13.2		"	10.0		132	77-124	High Bias			
Chloromethane	13.6		"	10.0		136	37-131	High Bias			
cis-1,2-Dichloroethylene	12.8		"	10.0		128	77-124	High Bias			
cis-1,3-Dichloropropylene	10.2		"	10.0		102	81-117				
Dibromochloromethane	11.4		"	10.0		114	72-131				
Dibromomethane	10.2		"	10.0		102	85-116				
Dichlorodifluoromethane	13.4		"	10.0		134	47-152				
Ethyl Benzene	10.9		"	10.0		109	86-114				
Hexachlorobutadiene	11.8		"	10.0		118	68-139				
Isopropylbenzene	9.59		"	10.0		95.9	84-118				
Methyl tert-butyl ether (MTBE)	13.0		"	10.0		130	49-156				
Methylene chloride	12.1		"	10.0		121	51-145				
Naphthalene	12.7		"	10.0		127	67-141				
n-Butylbenzene	10.5		"	10.0		105	76-125				
n-Propylbenzene	9.22		"	10.0		92.2	84-118				
o-Xylene	11.2		"	10.0		112	85-114				
p- & m- Xylenes	22.0		"	20.0		110	84-117				
p-Isopropyltoluene	10.4		"	10.0		104	84-121				
sec-Butylbenzene	10.4		"	10.0		104	85-119				
Styrene	10.8		"	10.0		108	77-126				
tert-Butylbenzene	9.81		"	10.0		98.1	83-119				
Tetrachloroethylene	10.8		"	10.0		108	75-129				
Toluene	10.3		"	10.0		103	86-113				
trans-1,2-Dichloroethylene	13.4		"	10.0		134	55-148				
trans-1,3-Dichloropropylene	10.9		"	10.0		109	77-120				
Trichloroethylene	10.6		"	10.0		106	85-115				
Trichlorofluoromethane	13.9		"	10.0		139	69-131	High Bias			
Vinyl Chloride	14.7		"	10.0		147	44-152				
Surrogate: 1,2-Dichloroethane-d4	12.6		"	10.0		126	81-123				
Surrogate: p-Bromofluorobenzene	8.82		"	10.0		88.2	70-128				
Surrogate: Toluene-d8	9.79		"	10.0		97.9	88-114				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41589 - EPA 5030B											
LCS Dup (BH41589-BSD1)						Prepared: 08/29/2014 Analyzed: 08/30/2014					
1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	85-118		0.630	30	
1,1,1-Trichloroethane	13.0		"	10.0		130	74-128	High Bias	7.26	30	
1,1,2,2-Tetrachloroethane	9.53		"	10.0		95.3	71-130		9.45	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14.8		"	10.0		148	51-157		5.65	30	
1,1,2-Trichloroethane	9.44		"	10.0		94.4	80-122		1.58	30	
1,1-Dichloroethane	12.3		"	10.0		123	70-131		5.52	30	
1,1-Dichloroethylene	13.4		"	10.0		134	60-143		0.823	30	
1,1-Dichloropropylene	12.4		"	10.0		124	78-122	High Bias	10.6	30	
1,2,3-Trichlorobenzene	12.3		"	10.0		123	68-140		2.31	30	
1,2,3-Trichloropropane	9.60		"	10.0		96.0	77-125		8.70	30	
1,2,4-Trichlorobenzene	12.3		"	10.0		123	65-143		5.58	30	
1,2,4-Trimethylbenzene	11.0		"	10.0		110	83-121		7.83	30	
1,2-Dibromo-3-chloropropane	9.04		"	10.0		90.4	60-146		12.8	30	
1,2-Dibromoethane	10.3		"	10.0		103	82-122		1.54	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	85-115		1.49	30	
1,2-Dichloroethane	13.1		"	10.0		131	72-126	High Bias	0.0765	30	
1,2-Dichloropropane	9.50		"	10.0		95.0	78-119		0.734	30	
1,3,5-Trimethylbenzene	11.6		"	10.0		116	84-118		15.4	30	
1,3-Dichlorobenzene	10.3		"	10.0		103	83-117		6.62	30	
1,3-Dichloropropane	10.1		"	10.0		101	79-121		4.14	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	83-118		7.11	30	
2,2-Dichloropropane	11.1		"	10.0		111	60-135		6.60	30	
2-Chlorotoluene	11.0		"	10.0		110	81-118		13.2	30	
2-Hexanone	10.3		"	10.0		103	50-151		0.291	30	
4-Chlorotoluene	10.7		"	10.0		107	81-117		13.9	30	
Acetone	11.7		"	10.0		117	21-172		1.11	30	
Benzene	13.2		"	10.0		132	82-120	High Bias	3.00	30	
Bromobenzene	9.39		"	10.0		93.9	82-119		3.58	30	
Bromochloromethane	11.6		"	10.0		116	69-125		7.21	30	
Bromodichloromethane	11.0		"	10.0		110	84-117		0.634	30	
Bromoform	11.0		"	10.0		110	77-130		4.38	30	
Bromomethane	15.8		"	10.0		158	16-162		0.0634	30	
Carbon tetrachloride	13.3		"	10.0		133	72-132	High Bias	7.94	30	
Chlorobenzene	10.3		"	10.0		103	88-112		0.387	30	
Chloroethane	14.1		"	10.0		141	29-172		2.80	30	
Chloroform	12.0		"	10.0		120	77-124		9.59	30	
Chloromethane	12.8		"	10.0		128	37-131		6.00	30	
cis-1,2-Dichloroethylene	11.7		"	10.0		117	77-124		8.96	30	
cis-1,3-Dichloropropylene	10.3		"	10.0		103	81-117		1.07	30	
Dibromochloromethane	11.4		"	10.0		114	72-131		0.0877	30	
Dibromomethane	10.0		"	10.0		100	85-116		2.27	30	
Dichlorodifluoromethane	12.7		"	10.0		127	47-152		4.99	30	
Ethyl Benzene	11.0		"	10.0		110	86-114		0.274	30	
Hexachlorobutadiene	12.7		"	10.0		127	68-139		7.16	30	
Isopropylbenzene	11.0		"	10.0		110	84-118		14.1	30	
Methyl tert-butyl ether (MTBE)	13.0		"	10.0		130	49-156		0.308	30	
Methylene chloride	12.2		"	10.0		122	51-145		0.577	30	
Naphthalene	13.0		"	10.0		130	67-141		2.50	30	
n-Butylbenzene	10.8		"	10.0		108	76-125		3.20	30	
n-Propylbenzene	10.7		"	10.0		107	84-118		14.9	30	
o-Xylene	11.3		"	10.0		113	85-114		1.42	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41589 - EPA 5030B

LCS Dup (BH41589-BSD1)

Prepared: 08/29/2014 Analyzed: 08/30/2014

p- & m- Xylenes	22.2		ug/L	20.0		111	84-117		0.905	30	
p-Isopropyltoluene	11.3		"	10.0		113	84-121		8.10	30	
sec-Butylbenzene	10.9		"	10.0		109	85-119		5.06	30	
Styrene	10.7		"	10.0		107	77-126		0.0931	30	
tert-Butylbenzene	11.2		"	10.0		112	83-119		13.7	30	
Tetrachloroethylene	10.7		"	10.0		107	75-129		1.03	30	
Toluene	10.4		"	10.0		104	86-113		0.772	30	
trans-1,2-Dichloroethylene	13.6		"	10.0		136	55-148		1.11	30	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	77-120		2.05	30	
Trichloroethylene	10.8		"	10.0		108	85-115		1.31	30	
Trichlorofluoromethane	14.2		"	10.0		142	69-131	High Bias	1.57	30	
Vinyl Chloride	14.2		"	10.0		142	44-152		3.66	30	
Surrogate: 1,2-Dichloroethane-d4	12.2		"	10.0		122	81-123				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	70-128				
Surrogate: Toluene-d8	10.1		"	10.0		101	88-114				

Matrix Spike (BH41589-MS1)

*Source sample: 14H1106-01 (WQ082114:1040FRW1/MS/MSD)

Prepared: 08/29/2014 Analyzed: 08/30/2014

1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0	ND	107	81-121				
1,1,1-Trichloroethane	14.2		"	10.0	0.350	138	71-121	High Bias			
1,1,2,2-Tetrachloroethane	9.09		"	10.0	ND	90.9	66-138				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	15.7		"	10.0	ND	157	29-167				
1,1,2-Trichloroethane	14.6		"	10.0	ND	146	74-130	High Bias			
1,1-Dichloroethane	13.0		"	10.0	ND	130	66-128	High Bias			
1,1-Dichloroethylene	13.8		"	10.0	ND	138	32-164				
1,1-Dichloropropylene	13.1		"	10.0	ND	131	69-121	High Bias			
1,2,3-Trichlorobenzene	9.29		"	10.0	ND	92.9	58-137				
1,2,3-Trichloropropane	9.16		"	10.0	ND	91.6	69-129				
1,2,4-Trichlorobenzene	9.56		"	10.0	ND	95.6	52-138				
1,2,4-Trimethylbenzene	9.72		"	10.0	ND	97.2	63-131				
1,2-Dibromo-3-chloropropane	9.30		"	10.0	ND	93.0	47-152				
1,2-Dibromoethane	10.2		"	10.0	ND	102	80-123				
1,2-Dichlorobenzene	9.65		"	10.0	ND	96.5	76-120				
1,2-Dichloroethane	12.5		"	10.0	ND	125	67-124	High Bias			
1,2-Dichloropropane	8.91		"	10.0	ND	89.1	72-127				
1,3,5-Trimethylbenzene	9.72		"	10.0	ND	97.2	74-123				
1,3-Dichlorobenzene	8.99		"	10.0	ND	89.9	74-119				
1,3-Dichloropropane	9.81		"	10.0	ND	98.1	73-128				
1,4-Dichlorobenzene	9.02		"	10.0	ND	90.2	71-122				
2,2-Dichloropropane	7.91		"	10.0	ND	79.1	54-119				
2-Chlorotoluene	9.42		"	10.0	ND	94.2	65-134				
2-Hexanone	9.07		"	10.0	ND	90.7	42-151				
4-Chlorotoluene	9.18		"	10.0	ND	91.8	71-120				
Acetone	12.2		"	10.0	ND	122	27-123				
Benzene	12.2		"	10.0	ND	122	68-124				
Bromobenzene	8.94		"	10.0	ND	89.4	67-132				
Bromochloromethane	11.7		"	10.0	ND	117	60-130				
Bromodichloromethane	10.4		"	10.0	ND	104	78-123				
Bromoform	10.9		"	10.0	ND	109	75-127				
Bromomethane	13.6		"	10.0	ND	136	17-133	High Bias			
Carbon tetrachloride	14.1		"	10.0	ND	141	73-119	High Bias			
Chlorobenzene	9.73		"	10.0	ND	97.3	83-115				
Chloroethane	14.3		"	10.0	ND	143	45-134	High Bias			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41589 - EPA 5030B

Matrix Spike (BH41589-MS1)	*Source sample: 14H1106-01 (WQ082114:1040FRW1/MS/MSD)						Prepared: 08/29/2014 Analyzed: 08/30/2014				
Chloroform	12.2		ug/L	10.0	ND	122	74-121	High Bias			
Chloromethane	12.2		"	10.0	ND	122	22-149				
cis-1,2-Dichloroethylene	11.7		"	10.0	0.310	114	72-121				
cis-1,3-Dichloropropylene	8.86		"	10.0	ND	88.6	67-123				
Dibromochloromethane	11.1		"	10.0	ND	111	84-120				
Dibromomethane	9.34		"	10.0	ND	93.4	80-118				
Dichlorodifluoromethane	11.6		"	10.0	ND	116	38-142				
Ethyl Benzene	10.8		"	10.0	ND	108	76-119				
Hexachlorobutadiene	9.69		"	10.0	ND	96.9	67-131				
Isopropylbenzene	9.98		"	10.0	ND	99.8	74-125				
Methyl tert-butyl ether (MTBE)	12.4		"	10.0	ND	124	51-138				
Methylene chloride	11.3		"	10.0	ND	113	46-132				
Naphthalene	9.85		"	10.0	ND	98.5	46-141				
n-Butylbenzene	10.0		"	10.0	ND	100	62-133				
n-Propylbenzene	9.47		"	10.0	ND	94.7	62-131				
o-Xylene	10.8		"	10.0	ND	108	71-123				
p- & m- Xylenes	21.4		"	20.0	ND	107	74-120				
p-Isopropyltoluene	9.97		"	10.0	ND	99.7	74-125				
sec-Butylbenzene	10.1		"	10.0	ND	101	77-123				
Styrene	10.1		"	10.0	ND	101	72-121				
tert-Butylbenzene	10.2		"	10.0	ND	102	76-124				
Tetrachloroethylene	36.8		"	10.0	29.2	75.4	67-120				
Toluene	9.87		"	10.0	ND	98.7	80-119				
trans-1,2-Dichloroethylene	12.9		"	10.0	ND	129	53-137				
trans-1,3-Dichloropropylene	9.48		"	10.0	ND	94.8	65-124				
Trichloroethylene	10.4		"	10.0	0.520	98.8	81-116				
Trichlorofluoromethane	14.8		"	10.0	ND	148	53-132	High Bias			
Vinyl Chloride	13.7		"	10.0	ND	137	38-135	High Bias			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.6</i>		<i>"</i>	<i>10.0</i>		<i>126</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.50</i>		<i>"</i>	<i>10.0</i>		<i>95.0</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.80</i>		<i>"</i>	<i>10.0</i>		<i>98.0</i>	<i>88-114</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41589 - EPA 5030B											
Matrix Spike Dup (BH41589-MSD1)		*Source sample: 14H1106-01 (WQ082114:1040FRW1/MS/MSD)						Prepared: 08/29/2014 Analyzed: 08/30/2014			
1,1,1,2-Tetrachloroethane	9.84		ug/L	10.0	ND	98.4	81-121		8.37	30	
1,1,1-Trichloroethane	11.2		"	10.0	0.350	108	71-121		23.6	30	
1,1,2,2-Tetrachloroethane	8.50		"	10.0	ND	85.0	66-138		6.71	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.9		"	10.0	ND	119	29-167		28.1	30	
1,1,2-Trichloroethane	15.6		"	10.0	ND	156	74-130	High Bias	6.64	30	
1,1-Dichloroethane	9.57		"	10.0	ND	95.7	66-128		30.2	30	Non-dir.
1,1-Dichloroethylene	10.5		"	10.0	ND	105	32-164		27.2	30	
1,1-Dichloropropylene	10.9		"	10.0	ND	109	69-121		18.3	30	
1,2,3-Trichlorobenzene	9.15		"	10.0	ND	91.5	58-137		1.52	30	
1,2,3-Trichloropropane	8.95		"	10.0	ND	89.5	69-129		2.32	30	
1,2,4-Trichlorobenzene	9.26		"	10.0	ND	92.6	52-138		3.19	30	
1,2,4-Trimethylbenzene	9.61		"	10.0	ND	96.1	63-131		1.14	30	
1,2-Dibromo-3-chloropropane	8.21		"	10.0	ND	82.1	47-152		12.5	30	
1,2-Dibromoethane	10.0		"	10.0	ND	100	80-123		1.87	30	
1,2-Dichlorobenzene	9.05		"	10.0	ND	90.5	76-120		6.42	30	
1,2-Dichloroethane	9.57		"	10.0	ND	95.7	67-124		26.2	30	
1,2-Dichloropropane	10.4		"	10.0	ND	104	72-127		15.1	30	
1,3,5-Trimethylbenzene	9.77		"	10.0	ND	97.7	74-123		0.513	30	
1,3-Dichlorobenzene	9.05		"	10.0	ND	90.5	74-119		0.665	30	
1,3-Dichloropropane	9.84		"	10.0	ND	98.4	73-128		0.305	30	
1,4-Dichlorobenzene	8.84		"	10.0	ND	88.4	71-122		2.02	30	
2,2-Dichloropropane	6.27		"	10.0	ND	62.7	54-119		23.1	30	
2-Chlorotoluene	9.48		"	10.0	ND	94.8	65-134		0.635	30	
2-Hexanone	9.56		"	10.0	ND	95.6	42-151		5.26	30	
4-Chlorotoluene	9.14		"	10.0	ND	91.4	71-120		0.437	30	
Acetone	8.87		"	10.0	ND	88.7	27-123		31.3	30	Non-dir.
Benzene	9.79		"	10.0	ND	97.9	68-124		21.6	30	
Bromobenzene	8.94		"	10.0	ND	89.4	67-132		0.00	30	
Bromochloromethane	9.58		"	10.0	ND	95.8	60-130		19.8	30	
Bromodichloromethane	11.4		"	10.0	ND	114	78-123		8.87	30	
Bromoform	9.57		"	10.0	ND	95.7	75-127		12.8	30	
Bromomethane	10.3		"	10.0	ND	103	17-133		27.1	30	
Carbon tetrachloride	11.5		"	10.0	ND	115	73-119		20.4	30	
Chlorobenzene	9.07		"	10.0	ND	90.7	83-115		7.02	30	
Chloroethane	10.9		"	10.0	ND	109	45-134		26.8	30	
Chloroform	10.1		"	10.0	ND	101	74-121		18.5	30	
Chloromethane	9.68		"	10.0	ND	96.8	22-149		22.8	30	
cis-1,2-Dichloroethylene	9.49		"	10.0	0.310	91.8	72-121		21.2	30	
cis-1,3-Dichloropropylene	9.52		"	10.0	ND	95.2	67-123		7.18	30	
Dibromochloromethane	10.4		"	10.0	ND	104	84-120		7.17	30	
Dibromomethane	10.4		"	10.0	ND	104	80-118		10.7	30	
Dichlorodifluoromethane	9.21		"	10.0	ND	92.1	38-142		23.4	30	
Ethyl Benzene	9.94		"	10.0	ND	99.4	76-119		8.02	30	
Hexachlorobutadiene	9.96		"	10.0	ND	99.6	67-131		2.75	30	
Isopropylbenzene	10.2		"	10.0	ND	102	74-125		1.98	30	
Methyl tert-butyl ether (MTBE)	9.49		"	10.0	ND	94.9	51-138		26.5	30	
Methylene chloride	8.83		"	10.0	ND	88.3	46-132		24.6	30	
Naphthalene	9.91		"	10.0	ND	99.1	46-141		0.607	30	
n-Butylbenzene	9.49		"	10.0	ND	94.9	62-133		5.43	30	
n-Propylbenzene	9.44		"	10.0	ND	94.4	62-131		0.317	30	
o-Xylene	9.92		"	10.0	ND	99.2	71-123		8.59	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
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Batch BH41589 - EPA 5030B

Matrix Spike Dup (BH41589-MSD1)		*Source sample: 14H1106-01 (WQ082114:1040FRW1/MS/MSD)					Prepared: 08/29/2014 Analyzed: 08/30/2014				
p- & m- Xylenes	19.6		ug/L	20.0	ND	98.0	74-120		8.78	30	
p-Isopropyltoluene	10.0		"	10.0	ND	100	74-125		0.700	30	
sec-Butylbenzene	10.0		"	10.0	ND	100	77-123		1.19	30	
Styrene	9.38		"	10.0	ND	93.8	72-121		7.69	30	
tert-Butylbenzene	10.0		"	10.0	ND	100	76-124		1.48	30	
Tetrachloroethylene	42.4		"	10.0	29.2	132	67-120	High Bias	14.2	30	
Toluene	10.6		"	10.0	ND	106	80-119		6.75	30	
trans-1,2-Dichloroethylene	10.0		"	10.0	ND	100	53-137		25.0	30	
trans-1,3-Dichloropropylene	9.31		"	10.0	ND	93.1	65-124		1.81	30	
Trichloroethylene	12.4		"	10.0	0.520	118	81-116	High Bias	17.2	30	
Trichlorofluoromethane	11.3		"	10.0	ND	113	53-132		27.3	30	
Vinyl Chloride	11.0		"	10.0	ND	110	38-135		21.4	30	
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	81-123				
Surrogate: p-Bromofluorobenzene	10.0		"	10.0		100	70-128				
Surrogate: Toluene-d8	11.4		"	10.0		114	88-114				

Batch BI40063 - EPA 5030B

Blank (BI40063-BLK1)		Prepared & Analyzed: 09/02/2014									
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	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	1.3	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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40063 - EPA 5030B

Blank (BI40063-BLK1)

Prepared & Analyzed: 09/02/2014

Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	11.6		"	10.0		116	81-123				
Surrogate: p-Bromofluorobenzene	10.6		"	10.0		106	70-128				
Surrogate: Toluene-d8	10.0		"	10.0		100	88-114				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI40063 - EPA 5030B											
LCS (BI40063-BS1)						Prepared & Analyzed: 09/02/2014					
1,1,1,2-Tetrachloroethane	11.3		ug/L	10.0		113	85-118				
1,1,1-Trichloroethane	11.3		"	10.0		113	74-128				
1,1,2,2-Tetrachloroethane	8.53		"	10.0		85.3	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.72		"	10.0		87.2	51-157				
1,1,2-Trichloroethane	8.96		"	10.0		89.6	80-122				
1,1-Dichloroethane	9.56		"	10.0		95.6	70-131				
1,1-Dichloroethylene	8.50		"	10.0		85.0	60-143				
1,1-Dichloropropylene	9.69		"	10.0		96.9	78-122				
1,2,3-Trichlorobenzene	10.7		"	10.0		107	68-140				
1,2,3-Trichloropropane	9.72		"	10.0		97.2	77-125				
1,2,4-Trichlorobenzene	11.2		"	10.0		112	65-143				
1,2,4-Trimethylbenzene	10.6		"	10.0		106	83-121				
1,2-Dibromo-3-chloropropane	8.62		"	10.0		86.2	60-146				
1,2-Dibromoethane	9.27		"	10.0		92.7	82-122				
1,2-Dichlorobenzene	9.78		"	10.0		97.8	85-115				
1,2-Dichloroethane	11.2		"	10.0		112	72-126				
1,2-Dichloropropane	9.04		"	10.0		90.4	78-119				
1,3,5-Trimethylbenzene	10.7		"	10.0		107	84-118				
1,3-Dichlorobenzene	10.1		"	10.0		101	83-117				
1,3-Dichloropropane	8.96		"	10.0		89.6	79-121				
1,4-Dichlorobenzene	10.1		"	10.0		101	83-118				
2,2-Dichloropropane	12.4		"	10.0		124	60-135				
2-Chlorotoluene	10.4		"	10.0		104	81-118				
2-Hexanone	7.15		"	10.0		71.5	50-151				
4-Chlorotoluene	9.97		"	10.0		99.7	81-117				
Acetone	5.61		"	10.0		56.1	21-172				
Benzene	8.93		"	10.0		89.3	82-120				
Bromobenzene	9.51		"	10.0		95.1	82-119				
Bromochloromethane	9.80		"	10.0		98.0	69-125				
Bromodichloromethane	10.9		"	10.0		109	84-117				
Bromoform	9.88		"	10.0		98.8	77-130				
Bromomethane	7.52		"	10.0		75.2	16-162				
Carbon tetrachloride	12.5		"	10.0		125	72-132				
Chlorobenzene	9.85		"	10.0		98.5	88-112				
Chloroethane	7.55		"	10.0		75.5	29-172				
Chloroform	10.4		"	10.0		104	77-124				
Chloromethane	6.79		"	10.0		67.9	37-131				
cis-1,2-Dichloroethylene	9.09		"	10.0		90.9	77-124				
cis-1,3-Dichloropropylene	9.84		"	10.0		98.4	81-117				
Dibromochloromethane	10.9		"	10.0		109	72-131				
Dibromomethane	9.17		"	10.0		91.7	85-116				
Dichlorodifluoromethane	7.91		"	10.0		79.1	47-152				
Ethyl Benzene	10.1		"	10.0		101	86-114				
Hexachlorobutadiene	11.5		"	10.0		115	68-139				
Isopropylbenzene	10.1		"	10.0		101	84-118				
Methyl tert-butyl ether (MTBE)	9.43		"	10.0		94.3	49-156				
Methylene chloride	8.33		"	10.0		83.3	51-145				
Naphthalene	10.1		"	10.0		101	67-141				
n-Butylbenzene	11.6		"	10.0		116	76-125				
n-Propylbenzene	9.80		"	10.0		98.0	84-118				
o-Xylene	10.4		"	10.0		104	85-114				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40063 - EPA 5030B

LCS (BI40063-BS1)

Prepared & Analyzed: 09/02/2014

p- & m- Xylenes	20.8		ug/L	20.0		104	84-117				
p-Isopropyltoluene	10.9		"	10.0		109	84-121				
sec-Butylbenzene	10.0		"	10.0		100	85-119				
Styrene	10.0		"	10.0		100	77-126				
tert-Butylbenzene	10.3		"	10.0		103	83-119				
Tetrachloroethylene	10.4		"	10.0		104	75-129				
Toluene	9.71		"	10.0		97.1	86-113				
trans-1,2-Dichloroethylene	9.59		"	10.0		95.9	55-148				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	77-120				
Trichloroethylene	10.2		"	10.0		102	85-115				
Trichlorofluoromethane	10.2		"	10.0		102	69-131				
Vinyl Chloride	7.00		"	10.0		70.0	44-152				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.5</i>		<i>"</i>	<i>10.0</i>		<i>115</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>88-114</i>				

LCS Dup (BI40063-BSD1)

Prepared & Analyzed: 09/02/2014

1,1,1,2-Tetrachloroethane	11.2		ug/L	10.0		112	85-118		0.891	30	
1,1,1-Trichloroethane	11.6		"	10.0		116	74-128		2.89	30	
1,1,2,2-Tetrachloroethane	8.07		"	10.0		80.7	71-130		5.54	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.87		"	10.0		88.7	51-157		1.71	30	
1,1,2-Trichloroethane	8.72		"	10.0		87.2	80-122		2.71	30	
1,1-Dichloroethane	9.82		"	10.0		98.2	70-131		2.68	30	
1,1-Dichloroethylene	8.66		"	10.0		86.6	60-143		1.86	30	
1,1-Dichloropropylene	10.0		"	10.0		100	78-122		3.35	30	
1,2,3-Trichlorobenzene	10.8		"	10.0		108	68-140		1.03	30	
1,2,3-Trichloropropane	9.20		"	10.0		92.0	77-125		5.50	30	
1,2,4-Trichlorobenzene	11.3		"	10.0		113	65-143		0.0889	30	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	83-121		2.97	30	
1,2-Dibromo-3-chloropropane	8.67		"	10.0		86.7	60-146		0.578	30	
1,2-Dibromoethane	9.19		"	10.0		91.9	82-122		0.867	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	85-115		2.52	30	
1,2-Dichloroethane	11.2		"	10.0		112	72-126		0.00	30	
1,2-Dichloropropane	9.10		"	10.0		91.0	78-119		0.662	30	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	84-118		4.96	30	
1,3-Dichlorobenzene	10.4		"	10.0		104	83-117		2.24	30	
1,3-Dichloropropane	8.86		"	10.0		88.6	79-121		1.12	30	
1,4-Dichlorobenzene	10.4		"	10.0		104	83-118		3.12	30	
2,2-Dichloropropane	12.4		"	10.0		124	60-135		0.0809	30	
2-Chlorotoluene	10.5		"	10.0		105	81-118		1.15	30	
2-Hexanone	6.70		"	10.0		67.0	50-151		6.50	30	
4-Chlorotoluene	10.3		"	10.0		103	81-117		2.87	30	
Acetone	5.42		"	10.0		54.2	21-172		3.45	30	
Benzene	8.96		"	10.0		89.6	82-120		0.335	30	
Bromobenzene	9.52		"	10.0		95.2	82-119		0.105	30	
Bromochloromethane	8.30		"	10.0		83.0	69-125		16.6	30	
Bromodichloromethane	10.8		"	10.0		108	84-117		1.02	30	
Bromoform	9.64		"	10.0		96.4	77-130		2.46	30	
Bromomethane	7.72		"	10.0		77.2	16-162		2.62	30	
Carbon tetrachloride	12.7		"	10.0		127	72-132		1.27	30	
Chlorobenzene	10.0		"	10.0		100	88-112		2.01	30	
Chloroethane	7.78		"	10.0		77.8	29-172		3.00	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40063 - EPA 5030B

LCS Dup (BI40063-BSD1)

Prepared & Analyzed: 09/02/2014

Chloroform	10.4		ug/L	10.0		104	77-124		0.673	30	
Chloromethane	6.75		"	10.0		67.5	37-131		0.591	30	
cis-1,2-Dichloroethylene	9.47		"	10.0		94.7	77-124		4.09	30	
cis-1,3-Dichloropropylene	9.74		"	10.0		97.4	81-117		1.02	30	
Dibromochloromethane	11.0		"	10.0		110	72-131		0.274	30	
Dibromomethane	9.29		"	10.0		92.9	85-116		1.30	30	
Dichlorodifluoromethane	7.81		"	10.0		78.1	47-152		1.27	30	
Ethyl Benzene	10.5		"	10.0		105	86-114		3.59	30	
Hexachlorobutadiene	11.7		"	10.0		117	68-139		1.72	30	
Isopropylbenzene	10.4		"	10.0		104	84-118		2.44	30	
Methyl tert-butyl ether (MTBE)	9.29		"	10.0		92.9	49-156		1.50	30	
Methylene chloride	8.38		"	10.0		83.8	51-145		0.598	30	
Naphthalene	9.89		"	10.0		98.9	67-141		2.30	30	
n-Butylbenzene	11.8		"	10.0		118	76-125		2.13	30	
n-Propylbenzene	9.98		"	10.0		99.8	84-118		1.82	30	
o-Xylene	10.6		"	10.0		106	85-114		1.62	30	
p- & m- Xylenes	21.5		"	20.0		108	84-117		3.35	30	
p-Isopropyltoluene	11.2		"	10.0		112	84-121		2.79	30	
sec-Butylbenzene	10.2		"	10.0		102	85-119		2.07	30	
Styrene	10.2		"	10.0		102	77-126		2.37	30	
tert-Butylbenzene	10.6		"	10.0		106	83-119		2.20	30	
Tetrachloroethylene	10.4		"	10.0		104	75-129		0.0963	30	
Toluene	9.94		"	10.0		99.4	86-113		2.34	30	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	55-148		5.67	30	
trans-1,3-Dichloropropylene	10.1		"	10.0		101	77-120		3.02	30	
Trichloroethylene	10.1		"	10.0		101	85-115		0.592	30	
Trichlorofluoromethane	10.5		"	10.0		105	69-131		2.81	30	
Vinyl Chloride	6.27		"	10.0		62.7	44-152		11.0	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.0</i>		<i>"</i>	<i>10.0</i>		<i>110</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>88-114</i>				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14H1106-01	WQ082114:1040FRW1/MS/MSD	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14H1106-02	WQ082114:1045FRW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14H1106-03	WQ082114:1050FRW3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14H1106-04	WQ082114:1055FRW4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

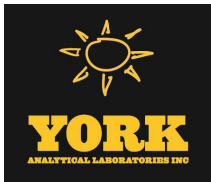


Notes and Definitions

S-HI	Surrogate recovery is above acceptance limits. No target compound is detected in sample.
S-08	The recovery of this surrogate was outside of QC limits.
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/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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



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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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. Your signature binds you to York's Std. Terms & Conditions.

York Project No.

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type	
Company: <u>LB6</u>	Address: <u>4 Research Dr, Suite 301</u>	Company: <u>Same</u>	Address: <u>Same</u>	Company: <u>Same</u>	Address: <u>Same</u>	Purchase Order No. <u>HABSA6</u>		RUSH - Same Day ☐	Summary Report <u>X</u>	Summary w/ QA summary <u>X</u>	
Phone No. <u>203-829-8555</u>	Attention: <u>Tunde Sandoz</u>	Phone No. <u>Same</u>	Attention: <u>Same</u>	Phone No. <u>Same</u>	Attention: <u>Same</u>			RUSH - Next Day ☐	CT RCP Package ☐	CT RCP Package ☐	
E-Mail Address: <u>TSandoz@LB6CT.com</u>		E-Mail Address: <u>Same</u>		E-Mail Address: <u>Same</u>				RUSH - Two Day ☐	CT RCP DQ/DUE Pkg ☐	CT RCP DQ/DUE Pkg ☐	
								RUSH - Three Day ☐	NY ASP A Package ☐	NY ASP A Package ☐	
								RUSH - Four Day ☐	NY ASP B Package ☐	NY ASP B Package ☐	
									NIDEPR Red. Deliv. ☐	NIDEPR Red. Deliv. ☐	
								Standard (5-7 Days) ☒	Electronic Data Deliverables (EDD) ☐		
									Simple Excel ☒		
									NYSDEC EQuls ☐		
									EQuls (std) ☐		
									EZ-EDD (EQuls) ☐		
									NIDEPR SRP HazSite EDD ☐		
									GIS/KEY (std) ☐		
									Other ☐		
									York Regulatory Comparison ☐		
									Excel Spreadsheet ☐		
									Compare to the following Regs (please fill in): ☐		

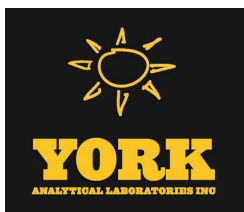
Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ082114: 1040 FRW1	8/21/14 1040	GW	VOC 8260 full list (EPA SW846-8260) plus from #13	31
WQ082114: 1050 FRW1 MS	8/21/14 1050			31
NQ082114: 1040 FRW1 MSD	8/21/14 1040			31
WQ082114: 1045 FRW2	8/21/14 1045			31
WQ082114: 1050 FRW3	8/21/14 1050			31
WQ082114: 1055 FRW4	8/21/14 1055			31

Comments	Preservation	4°C	Frozen	HCl	MeOH	BNO	H ₂ O	NaOH	Temperature on Receipt
	Check three applicable: Special Instructions ☐ Field Filtered ☐ Lab to Filter ☐								4.5 °C

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
<u>Shelley Ray</u>	8/21/14 1045	<u>Shelley Ray</u>	8/21/14 1045

(RW & FRW)

APPENDIX III
AUGUST 2014 LABORATORY ANALYTICAL REPORTS
FOR AIR SAMPLES



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 08/28/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14H0967

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 08/28/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14H0967

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 August 25, 2014 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>
14H0967-01	AQ082114:1100 NP4-1	Vapor Extraction	08/21/2014	08/25/2014
14H0967-02	AQ082114:1105 NP4-2	Vapor Extraction	08/21/2014	08/25/2014
14H0967-03	AQ082114:1110 NP4-3	Vapor Extraction	08/21/2014	08/25/2014

General Notes for York Project (SDG) No.: 14H0967

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/28/2014

YORK



Sample Information

Client Sample ID: AQ082114:1100 NP4-1

York Sample ID: 14H0967-01

York Project (SDG) No.

14H0967

Client Project ID

Rowe Industries

Matrix

Vapor Extraction

Collection Date/Time

August 21, 2014 11:00 am

Date Received

08/25/2014

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	0.23	0.23	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.62	0.62	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.24	0.24	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.80	0.80	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.70	0.70	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
108-88-3	Toluene	ND		ug/m ³	0.67	0.67	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
109-99-9	Tetrahydrofuran	ND		ug/m ³	0.52	0.52	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
127-18-4	Tetrachloroethylene	1.7		ug/m ³	0.30	0.30	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
100-42-5	Styrene	ND		ug/m ³	0.75	0.75	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
115-07-1	Propylene	ND		ug/m ³	0.30	0.30	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
622-96-8	p-Ethyltoluene	ND		ug/m ³	0.87	0.87	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.5	1.5	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
95-47-6	o-Xylene	ND		ug/m ³	0.77	0.77	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
110-54-3	n-Hexane	ND		ug/m ³	0.62	0.62	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.72	0.72	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
75-09-2	Methylene chloride	ND		ug/m ³	1.2	1.2	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.64	0.64	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.72	0.72	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
67-63-0	Isopropanol	0.96		ug/m ³	0.87	0.87	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.9	1.9	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.77	0.77	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
141-78-6	Ethyl acetate	ND		ug/m ³	1.3	1.3	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.61	0.61	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.80	0.80	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.70	0.70	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
74-87-3	Chloromethane	1.9		ug/m ³	0.37	0.37	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
67-66-3	Chloroform	ND		ug/m ³	0.86	0.86	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.47	0.47	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.28	0.28	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.55	0.55	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.69	0.69	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
75-25-2	Bromoform	ND		ug/m ³	1.8	1.8	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD



Sample Information

Client Sample ID: AQ082114:1100 NP4-1

York Sample ID: 14H0967-01

York Project (SDG) No.
14H0967

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
August 21, 2014 11:00 am

Date Received
08/25/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.1	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.92	0.92	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
71-43-2	Benzene	ND		ug/m ³	0.56	0.56	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
67-64-1	Acetone	5.8		ug/m ³	0.42	0.42	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
591-78-6	2-Hexanone	ND		ug/m ³	1.4	1.4	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
78-93-3	2-Butanone	1.3		ug/m ³	0.52	0.52	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.64	0.64	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.77	0.77	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.87	0.87	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.82	0.82	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.72	0.72	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.87	0.87	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.3	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.70	0.70	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.72	0.72	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.99	0.99	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.96	0.96	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.4	1.4	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.96	0.96	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
75-71-8	Dichlorodifluoromethane	2.1		ug/m ³	0.87	0.87	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.4	1.4	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.4	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.72	0.72	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.81	0.81	1.768	EPA TO-15	08/26/2014 14:43	08/27/2014 12:42	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	92.8 %	72-118								



Sample Information

Client Sample ID: AQ082114:1105 NP4-2

York Sample ID: 14H0967-02

York Project (SDG) No.
14H0967

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
August 21, 2014 11:05 am

Date Received
08/25/2014

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	0.24	0.24	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.66	0.66	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
79-01-6	Trichloroethylene	0.50		ug/m ³	0.25	0.25	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.85	0.85	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.74	0.74	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
108-88-3	Toluene	1.8		ug/m ³	0.70	0.70	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
109-99-9	Tetrahydrofuran	ND		ug/m ³	0.55	0.55	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
127-18-4	Tetrachloroethylene	82		ug/m ³	0.32	0.32	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
100-42-5	Styrene	ND		ug/m ³	0.80	0.80	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
115-07-1	Propylene	ND		ug/m ³	0.32	0.32	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
622-96-8	p-Ethyltoluene	1.1		ug/m ³	0.92	0.92	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
179601-23-1	p- & m- Xylenes	2.4		ug/m ³	1.6	1.6	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
95-47-6	o-Xylene	0.89		ug/m ³	0.81	0.81	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
110-54-3	n-Hexane	47		ug/m ³	0.66	0.66	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.77	0.77	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
75-09-2	Methylene chloride	1.4		ug/m ³	1.3	1.3	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.67	0.67	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.76	0.76	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
67-63-0	Isopropanol	1.9		ug/m ³	0.92	0.92	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	2.0	2.0	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.81	0.81	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
141-78-6	Ethyl acetate	ND		ug/m ³	1.3	1.3	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.64	0.64	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.85	0.85	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
156-59-2	cis-1,2-Dichloroethylene	3.3		ug/m ³	0.74	0.74	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
74-87-3	Chloromethane	2.6		ug/m ³	0.39	0.39	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
67-66-3	Chloroform	0.91		ug/m ³	0.91	0.91	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.49	0.49	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.29	0.29	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.58	0.58	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.72	0.72	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
75-25-2	Bromoform	ND		ug/m ³	1.9	1.9	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.2	1.2	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD



Sample Information

Client Sample ID: AQ082114:1105 NP4-2

York Sample ID: 14H0967-02

York Project (SDG) No.
14H0967

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
August 21, 2014 11:05 am

Date Received
08/25/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-44-7	Benzyl chloride	ND		ug/m ³	0.97	0.97	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
71-43-2	Benzene	ND		ug/m ³	0.60	0.60	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
67-64-1	Acetone	4.8		ug/m ³	0.44	0.44	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
591-78-6	2-Hexanone	ND		ug/m ³	1.5	1.5	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
78-93-3	2-Butanone	2.2		ug/m ³	0.55	0.55	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.67	0.67	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.81	0.81	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.92	0.92	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.3	1.3	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.86	0.86	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.76	0.76	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
95-63-6	1,2,4-Trimethylbenzene	1.8		ug/m ³	0.92	0.92	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.4	1.4	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.74	0.74	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.76	0.76	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.5		ug/m ³	1.0	1.0	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.0	1.0	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.4	1.4	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.3	1.3	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
71-55-6	1,1,1-Trichloroethane	3.9		ug/m ³	1.0	1.0	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
75-71-8	Dichlorodifluoromethane	2.6		ug/m ³	0.92	0.92	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.4	1.4	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.5	1.5	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.76	0.76	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.86	0.86	1.867	EPA TO-15	08/26/2014 14:43	08/27/2014 14:34	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	96.1 %	72-118								



Sample Information

Client Sample ID: AQ082114:1110 NP4-3

York Sample ID: 14H0967-03

York Project (SDG) No.
14H0967

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
August 21, 2014 11:10 am

Date Received
08/25/2014

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	0.23	0.23	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.65	0.65	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.25	0.25	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.83	0.83	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.73	0.73	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
108-88-3	Toluene	ND		ug/m ³	0.69	0.69	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
109-99-9	Tetrahydrofuran	ND		ug/m ³	0.54	0.54	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.31	0.31	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
100-42-5	Styrene	ND		ug/m ³	0.78	0.78	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
115-07-1	Propylene	ND		ug/m ³	0.32	0.32	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
622-96-8	p-Ethyltoluene	59		ug/m ³	0.90	0.90	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
179601-23-1	p- & m- Xylenes	62		ug/m ³	1.6	1.6	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
95-47-6	o-Xylene	7.0		ug/m ³	0.80	0.80	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
110-54-3	n-Hexane	ND		ug/m ³	0.65	0.65	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
142-82-5	n-Heptane	1.4		ug/m ³	0.75	0.75	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
75-09-2	Methylene chloride	1.5		ug/m ³	1.3	1.3	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.66	0.66	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.75	0.75	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
67-63-0	Isopropanol	ND		ug/m ³	0.90	0.90	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	2.0	2.0	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
100-41-4	Ethyl Benzene	24		ug/m ³	0.80	0.80	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
141-78-6	Ethyl acetate	ND		ug/m ³	1.3	1.3	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.63	0.63	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.83	0.83	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
156-59-2	cis-1,2-Dichloroethylene	1.4		ug/m ³	0.73	0.73	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
74-87-3	Chloromethane	5.8		ug/m ³	0.38	0.38	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
67-66-3	Chloroform	1.1		ug/m ³	0.89	0.89	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
75-00-3	Chloroethane	4.0		ug/m ³	0.48	0.48	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.29	0.29	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.57	0.57	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.71	0.71	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
75-25-2	Bromoform	ND		ug/m ³	1.9	1.9	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.1	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD



Sample Information

Client Sample ID: AQ082114:1110 NP4-3

York Sample ID: 14H0967-03

York Project (SDG) No.
14H0967

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
August 21, 2014 11:10 am

Date Received
08/25/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-44-7	Benzyl chloride	ND		ug/m ³	0.95	0.95	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
71-43-2	Benzene	ND		ug/m ³	0.59	0.59	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
67-64-1	Acetone	5.4		ug/m ³	0.44	0.44	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
591-78-6	2-Hexanone	ND		ug/m ³	1.5	1.5	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
78-93-3	2-Butanone	1.5		ug/m ³	0.54	0.54	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.66	0.66	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.79	0.79	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
108-67-8	1,3,5-Trimethylbenzene	18		ug/m ³	0.90	0.90	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.3	1.3	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.85	0.85	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.74	0.74	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
95-63-6	1,2,4-Trimethylbenzene	82		ug/m ³	0.90	0.90	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.4	1.4	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.73	0.73	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
75-34-3	1,1-Dichloroethane	0.89		ug/m ³	0.74	0.74	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	1.0	1.0	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.0	1.0	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.4	1.4	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.3	1.3	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
71-55-6	1,1,1-Trichloroethane	4.4		ug/m ³	1.0	1.0	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
75-71-8	Dichlorodifluoromethane	3.0		ug/m ³	0.91	0.91	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.4	1.4	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.5	1.5	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.75	0.75	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.84	0.84	1.833	EPA TO-15	08/26/2014 14:43	08/27/2014 15:32	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	96.4 %	72-118								



Analytical Batch Summary

Batch ID: BH41355

Preparation Method: EPA TO15 PREP

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
14H0967-01	AQ082114:1100 NP4-1	08/26/14
14H0967-02	AQ082114:1105 NP4-2	08/26/14
14H0967-03	AQ082114:1110 NP4-3	08/26/14
BH41355-BLK1	Blank	08/26/14
BH41355-BS1	LCS	08/26/14
BH41355-DUP1	Duplicate	08/26/14



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41355 - EPA TO15 PREP

Blank (BH41355-BLK1)

Prepared: 08/26/2014 Analyzed: 08/27/2014

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



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41355 - EPA TO15 PREP

Blank (BH41355-BLK1)

Prepared: 08/26/2014 Analyzed: 08/27/2014

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

<i>Surrogate: p-Bromofluorobenzene</i>	8.83		ppbv	9.60		92.0	72-118				
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LCS (BH41355-BS1)

Prepared: 08/26/2014 Analyzed: 08/27/2014

Vinyl Chloride	9.88		ppbv	9.70		102	70-130				
Vinyl acetate	6.21		"	10.8		57.5	70-130	Low Bias			
Trichloroethylene	8.29		"	9.90		83.7	70-130				
trans-1,3-Dichloropropylene	10.0		"	10.9		91.7	70-130				
trans-1,2-Dichloroethylene	8.19		"	9.70		84.4	70-130				
Toluene	9.83		"	10.4		94.5	70-130				
Tetrahydrofuran	7.80		"	9.20		84.8	70-130				
Tetrachloroethylene	8.25		"	10.0		82.5	70-130				
Styrene	10.9		"	10.3		106	70-130				
Propylene	9.29		"	10.4		89.3	70-130				
p-Ethyltoluene	11.3		"	10.1		112	70-130				
p- & m- Xylenes	22.9		"	20.2		113	70-130				
o-Xylene	11.4		"	10.5		109	70-130				
n-Hexane	8.75		"	10.0		87.5	70-130				
n-Heptane	9.49		"	10.3		92.1	70-130				
Methylene chloride	7.94		"	9.90		80.2	70-130				
Methyl tert-butyl ether (MTBE)	8.35		"	9.80		85.2	70-130				
4-Methyl-2-pentanone	8.58		"	9.20		93.3	70-130				
Isopropanol	7.00		"	9.20		76.1	70-130				
Hexachlorobutadiene	8.57		"	9.90		86.6	70-130				
Ethyl Benzene	10.8		"	10.3		105	70-130				
Ethyl acetate	9.32		"	8.50		110	70-130				
Cyclohexane	8.94		"	10.1		88.5	70-130				
cis-1,3-Dichloropropylene	9.38		"	10.5		89.3	70-130				
cis-1,2-Dichloroethylene	8.95		"	10.3		86.9	70-130				
Chloromethane	10.4		"	9.70		107	70-130				
Chloroform	8.33		"	10.1		82.5	70-130				
Chloroethane	8.38		"	9.90		84.6	70-130				
Carbon tetrachloride	7.89		"	10.2		77.4	70-130				
Carbon disulfide	7.88		"	10.5		75.0	70-130				
Bromomethane	7.93		"	9.90		80.1	70-130				
Bromoform	9.79		"	10.1		96.9	70-130				
Bromodichloromethane	9.52		"	9.90		96.2	70-130				
Benzyl chloride	9.65		"	10.2		94.6	70-130				
Benzene	8.66		"	10.2		84.9	70-130				
Acetone	7.93		"	9.80		80.9	70-130				
2-Hexanone	7.93		"	9.30		85.3	70-130				
2-Butanone	7.58		"	9.40		80.6	70-130				
1,4-Dioxane	8.88		"	9.90		89.7	70-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41355 - EPA TO15 PREP

LCS (BH41355-BS1)

Prepared: 08/26/2014 Analyzed: 08/27/2014

1,4-Dichlorobenzene	10.0		ppbv	10.2		98.4	70-130				
1,3-Dichlorobenzene	9.94		"	10.2		97.5	70-130				
1,3-Butadiene	10.2		"	10.1		101	70-130				
1,3,5-Trimethylbenzene	10.6		"	10.2		104	70-130				
1,2-Dichlorotetrafluoroethane	9.17		"	10.2		89.9	70-130				
1,2-Dichloropropane	9.30		"	10.3		90.3	70-130				
1,2-Dichloroethane	8.43		"	10.1		83.5	70-130				
1,2-Dichlorobenzene	9.86		"	10.1		97.6	70-130				
1,2,4-Trimethylbenzene	11.3		"	10.2		110	70-130				
1,2,4-Trichlorobenzene	10.8		"	9.60		112	70-130				
1,1-Dichloroethylene	8.38		"	10.0		83.8	70-130				
1,1-Dichloroethane	8.45		"	10.0		84.5	70-130				
Trichlorofluoromethane (Freon 11)	8.61		"	10.5		82.0	70-130				
1,1,2-Trichloroethane	9.13		"	10.3		88.6	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.85		"	9.70		80.9	70-130				
1,1,2,2-Tetrachloroethane	10.0		"	10.5		95.3	70-130				
1,1,1-Trichloroethane	8.20		"	9.90		82.8	70-130				
Dichlorodifluoromethane	8.16		"	10.0		81.6	70-130				
1,2-Dibromoethane	9.17		"	10.3		89.0	70-130				
Dibromochloromethane	9.82		"	10.3		95.3	70-130				
Methyl Methacrylate	9.34		"	9.50		98.3	70-130				
Chlorobenzene	9.85		"	10.4		94.7	70-130				
Surrogate: <i>p</i> -Bromofluorobenzene	8.94		"	9.60		93.1	72-118				

Duplicate (BH41355-DUP1)

*Source sample: 14H0967-01 (AQ082114:1100 NP4-1)

Prepared: 08/26/2014 Analyzed: 08/27/2014

Vinyl Chloride	ND	0.23	ug/m ³		ND					25	
Vinyl acetate	ND	0.62	"		ND					25	
Trichloroethylene	ND	0.24	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.80	"		ND					25	
trans-1,2-Dichloroethylene	ND	0.70	"		ND					25	
Toluene	ND	0.67	"		ND					25	
Tetrahydrofuran	ND	0.52	"		ND					25	
Tetrachloroethylene	1.6	0.30	"		1.7				7.41	25	
Styrene	ND	0.75	"		ND					25	
Propylene	ND	0.30	"		ND					25	
p-Ethyltoluene	ND	0.87	"		ND					25	
p- & m- Xylenes	ND	1.5	"		ND					25	
o-Xylene	ND	0.77	"		ND					25	
n-Hexane	ND	0.62	"		ND					25	
n-Heptane	ND	0.72	"		ND					25	
Methylene chloride	ND	1.2	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.64	"		ND					25	
4-Methyl-2-pentanone	ND	0.72	"		ND					25	
Isopropanol	0.96	0.87	"		0.96				0.00	25	
Hexachlorobutadiene	ND	1.9	"		ND					25	
Ethyl Benzene	ND	0.77	"		ND					25	
Ethyl acetate	ND	1.3	"		ND					25	
Cyclohexane	ND	0.61	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.80	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.70	"		ND					25	
Chloromethane	2.1	0.37	"		1.9				10.9	25	
Chloroform	ND	0.86	"		ND					25	



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH41355 - EPA TO15 PREP

Duplicate (BH41355-DUP1)		*Source sample: 14H0967-01 (AQ082114:1100 NP4-1)					Prepared: 08/26/2014 Analyzed: 08/27/2014				
Chloroethane	ND	0.47	ug/m ³		ND					25	
Carbon tetrachloride	ND	0.28	"		ND					25	
Carbon disulfide	ND	0.55	"		ND					25	
Bromomethane	ND	0.69	"		ND					25	
Bromoform	ND	1.8	"		ND					25	
Bromodichloromethane	ND	1.1	"		ND					25	
Benzyl chloride	ND	0.92	"		ND					25	
Benzene	ND	0.56	"		ND					25	
Acetone	5.7	0.42	"		5.8				0.733	25	
2-Hexanone	ND	1.4	"		ND					25	
2-Butanone	1.3	0.52	"		1.3				0.00	25	
1,4-Dioxane	ND	0.64	"		ND					25	
1,4-Dichlorobenzene	ND	1.1	"		ND					25	
1,3-Dichlorobenzene	ND	1.1	"		ND					25	
1,3-Butadiene	ND	0.77	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.87	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.2	"		ND					25	
1,2-Dichloropropane	ND	0.82	"		ND					25	
1,2-Dichloroethane	ND	0.72	"		ND					25	
1,2-Dichlorobenzene	ND	1.1	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.87	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.3	"		ND					25	
1,1-Dichloroethylene	ND	0.70	"		ND					25	
1,1-Dichloroethane	ND	0.72	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.3	0.99	"		1.3				0.00	25	
1,1,2-Trichloroethane	ND	0.96	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.4	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.2	"		ND					25	
1,1,1-Trichloroethane	ND	0.96	"		ND					25	
Dichlorodifluoromethane	2.2	0.87	"		2.1				4.08	25	
1,2-Dibromoethane	ND	1.4	"		ND					25	
Dibromochloromethane	ND	1.4	"		ND					25	
Methyl Methacrylate	ND	0.72	"		ND					25	
Chlorobenzene	ND	0.81	"		ND					25	
Surrogate: <i>p</i> -Bromofluorobenzene	8.81		ppbv	9.60		91.8	72-118				



Notes and Definitions

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

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record - AIR

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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. _____

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type/Deliverables	
Company: LBG	Address: 4 Research Dr, Suite 301 Shelton, CT 06484	Company: Same	Address:	Company: Same	Address:	Purchase Order No. HAB5AG		RUSH - Same Day ☐	Summary Report X pdf		
Phone No. 203-929-8555	Attention:	Phone No.	Attention:	Phone No.	Attention:			RUSH - Next Day ☐	Summary w/ QA Summary X pdf		
Contact Person: Tunde Sander	E-Mail Address: TSander@LBGCT.com	Phone No.	Attention:	Phone No.	Attention:			RUSH - Two Day ☐	CT RCP Package		
		Phone No.	Attention:	Phone No.	Attention:			RUSH - Three Day ☐	NY ASP A Package		
		Phone No.	Attention:	Phone No.	Attention:			RUSH - Four Day ☐	NY ASP B/C/LP Pkg		
		Phone No.	Attention:	Phone No.	Attention:			Standard (5-7 Days) ☒	NIDEF Reduced		
		Phone No.	Attention:	Phone No.	Attention:			Detection Limits Required	Electronic Deliverables		
		Phone No.	Attention:	Phone No.	Attention:			< 1 ug/m ³	EDD (Specify Type)		
		Phone No.	Attention:	Phone No.	Attention:			NYSDEC VI Limits	Standard Excel		
		Phone No.	Attention:	Phone No.	Attention:			(VI target substances)	Regulatory Comparison Excel		
		Phone No.	Attention:	Phone No.	Attention:			NIDEF low level			
		Phone No.	Attention:	Phone No.	Attention:			Routine Survey			
		Phone No.	Attention:	Phone No.	Attention:			Other			
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.		Air Matrix Codes		TO15 Volatiles and Other Gas Analyses		Tentatively Identified Compounds		Special Instructions			
Samples Collected/Authorized By (Signature)  STEPHEN HNAT Name (printed)		AI - INDOOR Ambient Air AO - OUTDOOR Amb. Air AE - Vapor Extraction Well/ Process Gas/Effluent AS - SOIL Vapor/Sub-Slab		EPA TO-15 List NYSDEC VI list NYSDEC STARS List Project Specific List by TO-15 NIDEF Target List CTDEP RCP Target List		EPA TO-14A List Air VPH Helium Methane OTHER					
Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analytes Needed from the Menu Above and Enter Below	Sampling Media					
AQ092114: 1100NP4-1	8/21/14 1100	AE			EPA TO-15 List	6 Liter Summa canister					
AQ092114: 1105NP4-2	1105	AE				Tedlar Bag					
AQ092114: 1110NP4-3	1110	AC				6 Liter Summa canister					
						Tedlar Bag					
						6 Liter Summa canister					
						Tedlar Bag					
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						Tedlar Bag					
						6 Liter Summa canister					
						Tedlar Bag					
Comments		Samples Relinquished By		Date/Time		Samples Received By		Date/Time			
Grab samples, no regulator used				8/21/14 1200		LBB Fridge		8/21/14 1200			
		Samples Relinquished By		Date/Time		Samples Received In LAB by		Date/Time			

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