

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	---	---
14-Oct-14	7.1	171	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	0.98	0.104
28-Oct-14	7.0	199	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	0.82	0.033

SPDES: State Pollutant Discharge Elimination System

mg/l: Milligrams per liter

ug/l: Micrograms per liter

---: Not established

J: Analyte detected below quantitation limits, value shown is a laboratory estimate.

B: Analyte was found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

ND: Not detected

NM: Not Measured

TDS: Total dissolved solids

PCE: Tetrachloroethylene

1,1,1-TCA: 1,1,1-Trichloroethane

TCE: Trichloroethene

1,1-DCA: 1,1-Dichloroethane

1,1-DCE: 1,1-Dichloroethene

cis-1,2-DCE: cis-1,2-Dichloroethene

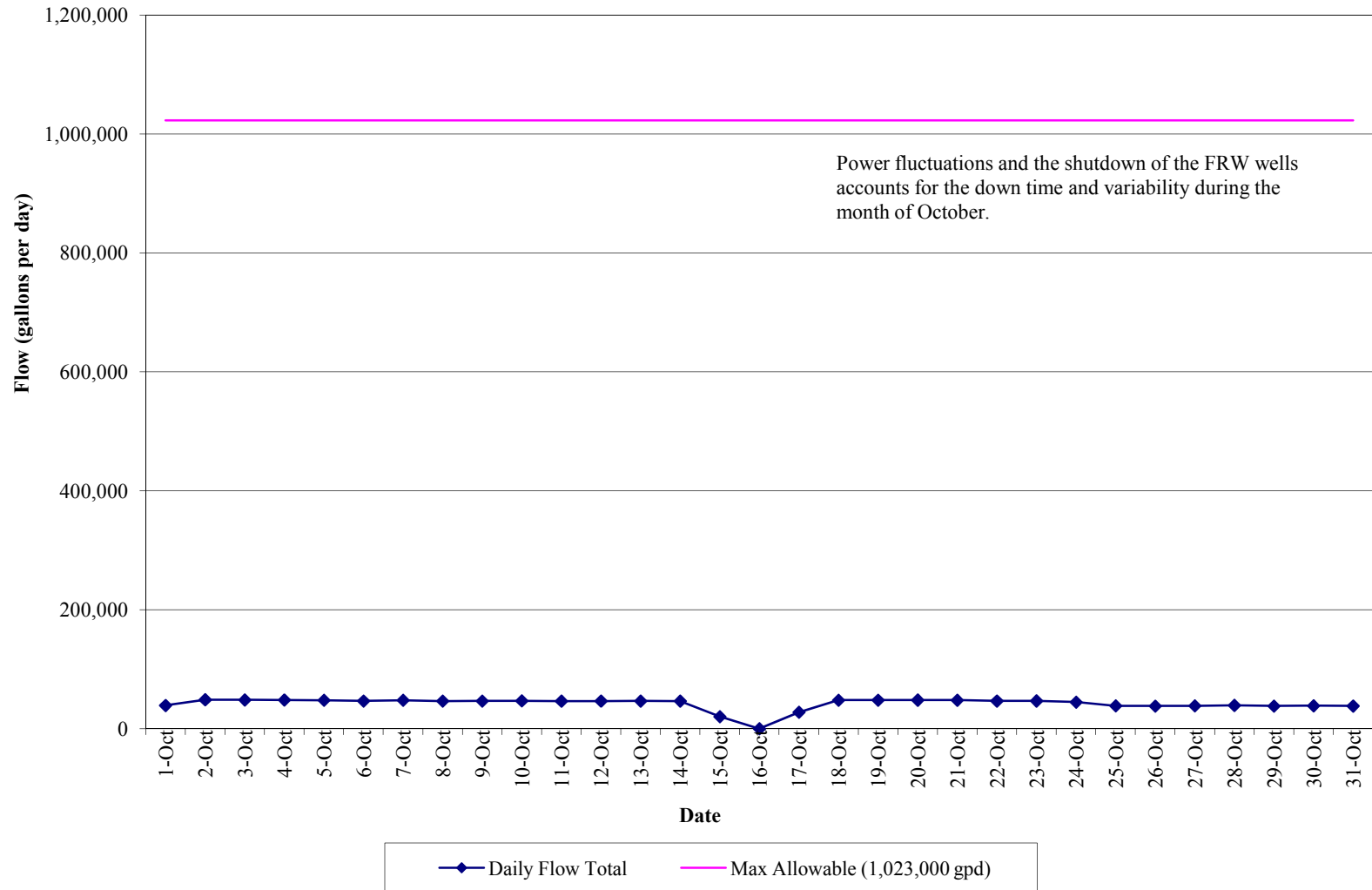
trans-1,2-DCE: trans-1,2-Dichloroethene

Notes:

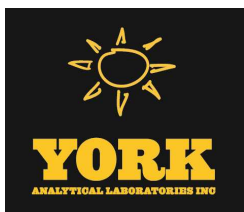
1. Based on the SPDES criteria from an NYSDEC letter dated on October 21, 2011, the new allowable pH range for the Rowe Site is between 5.0 and 8.5.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.

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

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



APPENDIX I
OCTOBER 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: 10/24/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14J0726

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/24/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14J0726

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 October 16, 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>
14J0726-01	WQ101414:1110NP2-10	Water	10/14/2014	10/16/2014
14J0727-01	WQ101414:1100NP2-6	Water	10/14/2014	10/16/2014
14J0727-02	WQ101414:1105NP2-7	Water	10/14/2014	10/16/2014

General Notes for York Project (SDG) No.: 14J0726

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: 10/24/2014





Sample Information

Client Sample ID: WQ101414:1110NP2-10

York Sample ID: 14J0726-01

York Project (SDG) No.

14J0726

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 14, 2014 11:10 am

Date Received

10/16/2014

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	10/23/2014 09:36	10/23/2014 14:33	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK



Sample Information

Client Sample ID: WQ101414:1110NP2-10

York Sample ID: 14J0726-01

York Project (SDG) No.
14J0726

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 14, 2014 11:10 am

Date Received
10/16/2014

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	10/23/2014 09:36	10/23/2014 14:33	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/23/2014 09:36	10/23/2014 14:33	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	95.7 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	79-122								
2037-26-5	Surrogate: Toluene-d8	103 %	81-117								



Sample Information

Client Sample ID: WQ101414:1110NP2-10

York Sample ID: 14J0726-01

York Project (SDG) No.
14J0726

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 14, 2014 11:10 am

Date Received
10/16/2014

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	0.975		mg/L	0.0146	0.0200	1	EPA 200.7	10/20/2014 14:35	10/20/2014 23:42	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	0.104		mg/L	0.0200	0.0200	1	EPA 6010C	10/20/2014 14:30	10/20/2014 21:30	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	171		mg/L	10.0	10.0	1	SM 2540C	10/20/2014 17:44	10/20/2014 17:44	AA

Sample Information

Client Sample ID: WQ101414:1100NP2-6

York Sample ID: 14J0727-01

York Project (SDG) No.
14J0727

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 14, 2014 11:00 am

Date Received
10/16/2014

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	10/23/2014 09:36	10/23/2014 15:14	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK



Sample Information

Client Sample ID: WQ101414:1100NP2-6

York Sample ID: 14J0727-01

York Project (SDG) No.
14J0727

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 14, 2014 11:00 am

Date Received
10/16/2014

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	0.80	2.0	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
156-59-2	cis-1,2-Dichloroethylene	0.22	J	ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK



Sample Information

Client Sample ID: WQ101414:1100NP2-6

York Sample ID: 14J0727-01

York Project (SDG) No.
14J0727

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 14, 2014 11:00 am

Date Received
10/16/2014

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
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
127-18-4	Tetrachloroethylene	1.1		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
79-01-6	Trichloroethylene	0.28	J	ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:14	BK
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.3 %		69-130							
460-00-4	Surrogate: p-Bromofluorobenzene	101 %		79-122							
2037-26-5	Surrogate: Toluene-d8	100 %		81-117							

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	2.04		mg/L	0.0146	0.0200	1	EPA 200.7	10/20/2014 14:35	10/20/2014 23:47	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	ND		mg/L	0.0200	0.0200	1	EPA 6010C	10/20/2014 14:30	10/20/2014 21:48	MW



Sample Information

Client Sample ID: WQ101414:1105NP2-7

York Sample ID: 14J0727-02

York Project (SDG) No.
14J0727

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 14, 2014 11:05 am

Date Received
10/16/2014

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	10/23/2014 09:36	10/23/2014 15:57	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK



Sample Information

Client Sample ID: WQ101414:1105NP2-7

York Sample ID: 14J0727-02

York Project (SDG) No.
14J0727

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 14, 2014 11:05 am

Date Received
10/16/2014

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	10/23/2014 09:36	10/23/2014 15:57	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/23/2014 09:36	10/23/2014 15:57	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122								
2037-26-5	Surrogate: Toluene-d8	96.6 %	81-117								



Sample Information

Client Sample ID: WQ101414:1105NP2-7

York Sample ID: 14J0727-02

York Project (SDG) No.
14J0727

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 14, 2014 11:05 am

Date Received
10/16/2014

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	0.732		mg/L	0.0146	0.0200	1	EPA 200.7	10/20/2014 14:35	10/20/2014 23:51	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	0.0778		mg/L	0.0200	0.0200	1	EPA 6010C	10/20/2014 14:30	10/20/2014 22:05	MW



Analytical Batch Summary

Batch ID: BJ41026

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
14J0726-01	WQ101414:1110NP2-10	10/20/14
14J0727-01	WQ101414:1100NP2-6	10/20/14
14J0727-02	WQ101414:1105NP2-7	10/20/14
BJ41026-BLK1	Blank	10/20/14
BJ41026-DUP1	Duplicate	10/20/14
BJ41026-MS1	Matrix Spike	10/20/14
BJ41026-SRM1	Reference	10/20/14

Batch ID: BJ41027

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
14J0726-01	WQ101414:1110NP2-10	10/20/14
14J0727-01	WQ101414:1100NP2-6	10/20/14
14J0727-02	WQ101414:1105NP2-7	10/20/14
BJ41027-BLK1	Blank	10/20/14
BJ41027-SRM1	Reference	10/20/14

Batch ID: BJ41043

Preparation Method: % Solids Prep

Prepared By: AA

YORK Sample ID	Client Sample ID	Preparation Date
14J0726-01	WQ101414:1110NP2-10	10/20/14
BJ41043-BLK1	Blank	10/20/14
BJ41043-DUP1	Duplicate	10/20/14

Batch ID: BJ41222

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
14J0726-01	WQ101414:1110NP2-10	10/23/14
14J0727-01	WQ101414:1100NP2-6	10/23/14
14J0727-02	WQ101414:1105NP2-7	10/23/14
BJ41222-BLK1	Blank	10/23/14
BJ41222-BS1	LCS	10/23/14
BJ41222-BSD1	LCS Dup	10/23/14



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 BJ41222 - EPA 5030B											
Blank (BJ41222-BLK1)										Prepared & Analyzed: 10/23/2014	
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	1.5	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	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 BJ41222 - EPA 5030B

Blank (BJ41222-BLK1)

Prepared & Analyzed: 10/23/2014

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	9.63	"	10.0	96.3	69-130
Surrogate: p-Bromofluorobenzene	10.6	"	10.0	106	79-122
Surrogate: Toluene-d8	11.2	"	10.0	112	81-117

LCS (BJ41222-BS1)

Prepared & Analyzed: 10/23/2014

1,1,1,2-Tetrachloroethane	10.9	ug/L	10.0	109	82-126	High Bias
1,1,1-Trichloroethane	12.8	"	10.0	128	78-136	
1,1,2,2-Tetrachloroethane	9.46	"	10.0	94.6	76-129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.9	"	10.0	119	54-165	
1,1,2-Trichloroethane	9.46	"	10.0	94.6	82-123	
1,1-Dichloroethane	14.4	"	10.0	144	82-129	
1,1-Dichloroethylene	11.4	"	10.0	114	68-138	
1,1-Dichloropropylene	12.1	"	10.0	121	83-133	
1,2,3-Trichlorobenzene	9.95	"	10.0	99.5	76-136	
1,2,3-Trichloropropane	9.67	"	10.0	96.7	77-128	
1,2,4-Trichlorobenzene	10.2	"	10.0	102	76-137	
1,2,4-Trimethylbenzene	12.2	"	10.0	122	82-132	
1,2-Dibromo-3-chloropropane	8.88	"	10.0	88.8	45-147	
1,2-Dibromoethane	9.82	"	10.0	98.2	83-124	
1,2-Dichlorobenzene	10.6	"	10.0	106	79-123	
1,2-Dichloroethane	9.58	"	10.0	95.8	73-132	
1,2-Dichloropropane	11.0	"	10.0	110	78-126	
1,3,5-Trimethylbenzene	11.5	"	10.0	115	80-131	
1,3-Dichlorobenzene	11.7	"	10.0	117	86-122	
1,3-Dichloropropane	9.73	"	10.0	97.3	81-125	
1,4-Dichlorobenzene	11.5	"	10.0	115	85-124	
2,2-Dichloropropane	12.7	"	10.0	127	56-150	
2-Chlorotoluene	10.9	"	10.0	109	79-130	
2-Hexanone	9.01	"	10.0	90.1	51-146	
4-Chlorotoluene	11.6	"	10.0	116	79-128	
Acetone	6.71	"	10.0	67.1	14-150	
Benzene	10.6	"	10.0	106	85-126	
Bromobenzene	10.5	"	10.0	105	78-129	
Bromochloromethane	11.2	"	10.0	112	77-128	
Bromodichloromethane	10.4	"	10.0	104	79-128	
Bromoform	10.3	"	10.0	103	78-133	
Bromomethane	11.6	"	10.0	116	43-168	
Carbon tetrachloride	12.3	"	10.0	123	77-141	
Chlorobenzene	10.7	"	10.0	107	88-120	



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 BJ41222 - EPA 5030B

LCS (BJ41222-BS1)

Prepared & Analyzed: 10/23/2014

Chloroethane	10.6		ug/L	10.0		106	65-136				
Chloroform	12.6		"	10.0		126	82-128				
Chloromethane	8.82		"	10.0		88.2	43-155				
cis-1,2-Dichloroethylene	14.0		"	10.0		140	83-129	High Bias			
cis-1,3-Dichloropropylene	11.2		"	10.0		112	80-131				
Dibromochloromethane	10.0		"	10.0		100	80-130				
Dibromomethane	9.83		"	10.0		98.3	72-134				
Dichlorodifluoromethane	10.3		"	10.0		103	44-144				
Ethyl Benzene	11.0		"	10.0		110	80-131				
Hexachlorobutadiene	13.3		"	10.0		133	67-146				
Isopropylbenzene	11.5		"	10.0		115	76-140				
Methyl tert-butyl ether (MTBE)	12.0		"	10.0		120	76-135				
Methylene chloride	11.4		"	10.0		114	55-137				
Naphthalene	10.2		"	10.0		102	70-147				
n-Butylbenzene	12.8		"	10.0		128	79-132				
n-Propylbenzene	11.6		"	10.0		116	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	21.9		"	20.0		109	77-133				
p-Isopropyltoluene	12.3		"	10.0		123	81-136				
sec-Butylbenzene	11.8		"	10.0		118	79-137				
Styrene	10.8		"	10.0		108	67-132				
tert-Butylbenzene	12.0		"	10.0		120	77-138				
Tetrachloroethylene	11.2		"	10.0		112	82-131				
Toluene	10.8		"	10.0		108	80-127				
trans-1,2-Dichloroethylene	14.4		"	10.0		144	80-132	High Bias			
trans-1,3-Dichloropropylene	10.1		"	10.0		101	78-131				
Trichloroethylene	11.1		"	10.0		111	82-128				
Trichlorofluoromethane	11.2		"	10.0		112	67-139				
Vinyl Chloride	10.2		"	10.0		102	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.32</i>		<i>"</i>	<i>10.0</i>		<i>93.2</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</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 BJ41222 - EPA 5030B											
LCS Dup (BJ41222-BSD1)						Prepared & Analyzed: 10/23/2014					
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82-126		0.0916	30	
1,1,1-Trichloroethane	11.1		"	10.0		111	78-136		13.9	30	
1,1,2,2-Tetrachloroethane	10.9		"	10.0		109	76-129		14.1	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.47		"	10.0		94.7	54-165		23.0	30	
1,1,2-Trichloroethane	11.1		"	10.0		111	82-123		15.7	30	
1,1-Dichloroethane	12.0		"	10.0		120	82-129		18.1	30	
1,1-Dichloroethylene	9.05		"	10.0		90.5	68-138		22.6	30	
1,1-Dichloropropylene	11.2		"	10.0		112	83-133		8.25	30	
1,2,3-Trichlorobenzene	10.8		"	10.0		108	76-136		8.38	30	
1,2,3-Trichloropropane	11.1		"	10.0		111	77-128		13.5	30	
1,2,4-Trichlorobenzene	10.8		"	10.0		108	76-137		5.81	30	
1,2,4-Trimethylbenzene	10.8		"	10.0		108	82-132		12.0	30	
1,2-Dibromo-3-chloropropane	11.1		"	10.0		111	45-147		22.0	30	
1,2-Dibromoethane	11.2		"	10.0		112	83-124		13.6	30	
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123		2.67	30	
1,2-Dichloroethane	9.99		"	10.0		99.9	73-132		4.19	30	
1,2-Dichloropropane	13.3		"	10.0		133	78-126	High Bias	18.5	30	
1,3,5-Trimethylbenzene	10.0		"	10.0		100	80-131		13.5	30	
1,3-Dichlorobenzene	10.6		"	10.0		106	86-122		9.81	30	
1,3-Dichloropropane	10.6		"	10.0		106	81-125		8.28	30	
1,4-Dichlorobenzene	10.8		"	10.0		108	85-124		6.29	30	
2,2-Dichloropropane	10.6		"	10.0		106	56-150		18.1	30	
2-Chlorotoluene	10.1		"	10.0		101	79-130		7.59	30	
2-Hexanone	12.5		"	10.0		125	51-146		32.8	30	Non-dir.
4-Chlorotoluene	10.1		"	10.0		101	79-128		13.9	30	
Acetone	7.30		"	10.0		73.0	14-150		8.42	30	
Benzene	11.2		"	10.0		112	85-126		5.42	30	
Bromobenzene	10.6		"	10.0		106	78-129		1.23	30	
Bromochloromethane	10.6		"	10.0		106	77-128		4.68	30	
Bromodichloromethane	12.6		"	10.0		126	79-128		19.5	30	
Bromoform	11.4		"	10.0		114	78-133		9.88	30	
Bromomethane	8.85		"	10.0		88.5	43-168		27.1	30	
Carbon tetrachloride	10.7		"	10.0		107	77-141		14.2	30	
Chlorobenzene	10.6		"	10.0		106	88-120		0.376	30	
Chloroethane	8.61		"	10.0		86.1	65-136		20.8	30	
Chloroform	11.4		"	10.0		114	82-128		9.59	30	
Chloromethane	7.63		"	10.0		76.3	43-155		14.5	30	
cis-1,2-Dichloroethylene	12.8		"	10.0		128	83-129		8.79	30	
cis-1,3-Dichloropropylene	13.5		"	10.0		135	80-131	High Bias	18.6	30	
Dibromochloromethane	11.1		"	10.0		111	80-130		10.3	30	
Dibromomethane	13.4		"	10.0		134	72-134		31.0	30	Non-dir.
Dichlorodifluoromethane	8.46		"	10.0		84.6	44-144		19.6	30	
Ethyl Benzene	10.6		"	10.0		106	80-131		3.89	30	
Hexachlorobutadiene	11.8		"	10.0		118	67-146		12.1	30	
Isopropylbenzene	10.3		"	10.0		103	76-140		11.5	30	
Methyl tert-butyl ether (MTBE)	11.6		"	10.0		116	76-135		3.73	30	
Methylene chloride	9.78		"	10.0		97.8	55-137		14.9	30	
Naphthalene	11.4		"	10.0		114	70-147		11.2	30	
n-Butylbenzene	11.5		"	10.0		115	79-132		10.4	30	
n-Propylbenzene	10.4		"	10.0		104	78-133		10.9	30	
o-Xylene	10.7		"	10.0		107	78-130		1.21	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 BJ41222 - EPA 5030B

LCS Dup (BJ41222-BSD1)

Prepared & Analyzed: 10/23/2014

p- & m- Xylenes	21.3		ug/L	20.0		107	77-133		2.50	30
p-Isopropyltoluene	11.0		"	10.0		110	81-136		10.7	30
sec-Butylbenzene	10.6		"	10.0		106	79-137		10.9	30
Styrene	10.8		"	10.0		108	67-132		0.556	30
tert-Butylbenzene	10.7		"	10.0		107	77-138		12.1	30
Tetrachloroethylene	10.6		"	10.0		106	82-131		5.57	30
Toluene	11.9		"	10.0		119	80-127		8.98	30
trans-1,2-Dichloroethylene	11.7		"	10.0		117	80-132		20.3	30
trans-1,3-Dichloropropylene	12.0		"	10.0		120	78-131		17.5	30
Trichloroethylene	13.2		"	10.0		132	82-128	High Bias	17.1	30
Trichlorofluoromethane	8.78		"	10.0		87.8	67-139		24.7	30
Vinyl Chloride	8.52		"	10.0		85.2	58-145		18.3	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.26</i>		<i>"</i>	<i>10.0</i>		<i>92.6</i>	<i>69-130</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.88</i>		<i>"</i>	<i>10.0</i>		<i>98.8</i>	<i>79-122</i>			
<i>Surrogate: Toluene-d8</i>	<i>11.4</i>		<i>"</i>	<i>10.0</i>		<i>114</i>	<i>81-117</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
Batch BJ41026 - EPA 3010A											
Blank (BJ41026-BLK1)											
								Prepared & Analyzed: 10/20/2014			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BJ41026-DUP1)											
*Source sample: 14J0726-01 (WQ101414:1110NP2-10)								Prepared & Analyzed: 10/20/2014			
Iron - Dissolved	0.102	0.0200	mg/L		0.104				2.17	20	
Matrix Spike (BJ41026-MS1)											
*Source sample: 14J0726-01 (WQ101414:1110NP2-10)								Prepared & Analyzed: 10/20/2014			
Iron - Dissolved	1.12	0.0200	mg/L	1.00	0.104	102	75-125				
Reference (BJ41026-SRM1)											
								Prepared & Analyzed: 10/20/2014			
Iron - Dissolved	2.54	0.0200	mg/L	2.58		98.6	84.9-115				
Batch BJ41027 - EPA 3010A											
Blank (BJ41027-BLK1)											
								Prepared & Analyzed: 10/20/2014			
Iron	ND	0.0200	mg/L								
Reference (BJ41027-SRM1)											
								Prepared & Analyzed: 10/20/2014			
Iron	2.51	0.0200	mg/L	2.58		97.2	84.9-115				



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 BJ41043 - % Solids Prep

Blank (BJ41043-BLK1)

Prepared & Analyzed: 10/20/2014

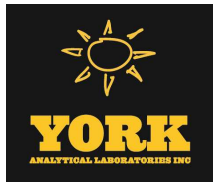
Total Dissolved Solids ND 10.0 mg/L

Duplicate (BJ41043-DUP1)

*Source sample: 14J0726-01 (WQ101414:1110NP2-10)

Prepared & Analyzed: 10/20/2014

Total Dissolved Solids 180 10.0 mg/L 171 5.13 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14J0726-01	WQ101414:1110NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0727-01	WQ101414:1100NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0727-02	WQ101414:1105NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/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).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20% AND correlation coefficient <0.990 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.

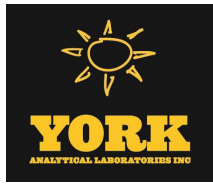
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

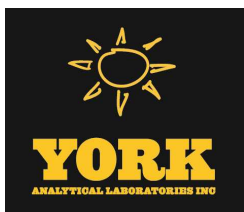
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

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. 1430727

YOUR Information Company: <u>LBG</u> Address: <u>4 Research Dr Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sander</u> E-Mail Address: <u>TSander@lbgi.com</u>		Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR Project ID <u>Rowe Industries</u> Purchase Order No. <u>NA85A6</u>		Turn-Around Time ☐ RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day ☒ Standard (5-7 Days)		Report Type Summary Report: <u>X</u> pdf Summary w/ QA Summary: <u>X</u> pdf CT RCP Package CT RCP DQ/DUE Pkg NY ASP A Package NY ASP B Package <u>NO TO ONLY</u> NUDEP Red. Deliv. Electronic Data Deliverables (EDDL)			
Matrix Codes S - soil Other - specify (on, 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 Arou. only Halog. only App. IX list 8021B list		Sem. Vol. 8270 or 825 STARS list BIN Only Acids Only PAH list TAGM list CT RCP list TCL list NUDEP list App. IX TCLP BNA STP-PCP 608 PCB		Metals KCRAS PP 13 list TAL CT ETPH NY 310-13 TAGM list NUDEP list Air TO 14A Air TO 15 Dissolved STP-PCP Lead, Metals LIST Below		Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TAGM list Air TO 14A Air TO 15 Dissolved STP-PCP Lead, Metals LIST Below		Misc. Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterocycles TOX BTU/Wh. Aquatic Tox. NYCLP Sewer TOC NYCLP Sewer Adhesives TAGM (Siles)		Container Description(s) <u>3x 20</u> <u>3x 20</u> <u>3x 32</u>	
Sample Identification <u>WQ101414-1100-SP2-6</u> <u>WQ101414-1100-SP2-7</u> <u>WQ101414-1100-SP2-10</u>		Date Sampled <u>10/14/14 1100</u> <u>1105</u> <u>1110</u>		Sample Matrix <u>GW</u> <u>GW</u> <u>GW</u>		Choose Analyses Needed from the Menu Above and Enter Below <u>Fe by EPA 800.71 Fe, Dissolved by EPA 8010 (SW 846-8010) 100s,</u> <u>8260 List (EPA SW 845-8260) plus from 113</u> <u>Fe by EPA 800.71 Fe, Dissolved by EPA 8010 (SW 846-8010) 100s,</u> <u>8260 List (EPA SW 845-8260) plus from 113 100s (SH 2540C)</u>		Comments Preservation Check those Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐		Temperature on Receipt <u>4.9 °C</u>			
Comments Samples Relinquished By: _____ Date/Time: _____ Samples Received By: <u>Feeder</u> Date/Time: <u>10/14/14 1200</u> Samples Relinquished By: _____ Date/Time: _____ Samples Received In Lab by: _____ Date/Time: _____		910 (system)											



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 11/05/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14J1171

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 11/05/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14J1171

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 October 29, 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>
14J1171-01	WQ102814:1200NP2-6	Water	10/28/2014	10/29/2014
14J1171-02	WQ102814:1205NP2-7	Water	10/28/2014	10/29/2014
14J1172-01	WQ102814:1210NP2-10	Water	10/28/2014	10/29/2014

General Notes for York Project (SDG) No.: 14J1171

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: 11/05/2014





Sample Information

Client Sample ID: WQ102814:1200NP2-6

York Sample ID: 14J1171-01

York Project (SDG) No.

14J1171

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 28, 2014 12:00 pm

Date Received

10/29/2014

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	11/04/2014 08:33	11/04/2014 20:01	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS



Sample Information

Client Sample ID: WQ102814:1200NP2-6

York Sample ID: 14J1171-01

York Project (SDG) No.
14J1171

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 28, 2014 12:00 pm

Date Received
10/29/2014

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	11/04/2014 08:33	11/04/2014 20:01	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
127-18-4	Tetrachloroethylene	0.38	J	ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:01	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	95.0 %	79-122								
2037-26-5	Surrogate: Toluene-d8	92.2 %	81-117								



Sample Information

Client Sample ID: WQ102814:1200NP2-6

York Sample ID: 14J1171-01

York Project (SDG) No.
14J1171

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 28, 2014 12:00 pm

Date Received
10/29/2014

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	5.45		mg/L	0.0146	0.0200	1	EPA 200.7	10/31/2014 14:51	11/01/2014 01:56	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	10/31/2014 14:45	11/01/2014 00:22	MW

Sample Information

Client Sample ID: WQ102814:1205NP2-7

York Sample ID: 14J1171-02

York Project (SDG) No.
14J1171

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 28, 2014 12:05 pm

Date Received
10/29/2014

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	11/04/2014 08:33	11/04/2014 20:39	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS



Sample Information

Client Sample ID: WQ102814:1205NP2-7

York Sample ID: 14J1171-02

York Project (SDG) No.
14J1171

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 28, 2014 12:05 pm

Date Received
10/29/2014

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	11/04/2014 08:33	11/04/2014 20:39	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS



Sample Information

Client Sample ID: WQ102814:1205NP2-7

York Sample ID: 14J1171-02

York Project (SDG) No.
14J1171

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 28, 2014 12:05 pm

Date Received
10/29/2014

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	11/04/2014 08:33	11/04/2014 20:39	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/04/2014 08:33	11/04/2014 20:39	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	126 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	93.9 %	79-122								
2037-26-5	Surrogate: Toluene-d8	92.4 %	81-117								

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	5.50		mg/L	0.0146	0.0200	1	EPA 200.7	10/31/2014 14:51	11/01/2014 02:00	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	0.0464		mg/L	0.0200	0.0200	1	EPA 6010C	10/31/2014 14:45	11/01/2014 00:27	MW

Sample Information

Client Sample ID: WQ102814:1210NP2-10

York Sample ID: 14J1172-01

York Project (SDG) No.
14J1172

Client Project ID
Rowe Industries Site

Matrix
Water

Collection Date/Time
October 28, 2014 12:10 pm

Date Received
10/29/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ102814:1210NP2-10

York Sample ID: 14J1172-01

York Project (SDG) No.

14J1172

Client Project ID

Rowe Industries Site

Matrix

Water

Collection Date/Time

October 28, 2014 12:10 pm

Date Received

10/29/2014

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	11/04/2014 08:33	11/04/2014 21:18	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS



Sample Information

Client Sample ID: WQ102814:1210NP2-10

York Sample ID: 14J1172-01

York Project (SDG) No.
14J1172

Client Project ID
Rowe Industries Site

Matrix
Water

Collection Date/Time
October 28, 2014 12:10 pm

Date Received
10/29/2014

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	11/04/2014 08:33	11/04/2014 21:18	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/04/2014 08:33	11/04/2014 21:18	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	126 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	79-122								
2037-26-5	Surrogate: Toluene-d8	90.1 %	81-117								



Sample Information

Client Sample ID: WQ102814:1210NP2-10

York Sample ID: 14J1172-01

York Project (SDG) No.
14J1172

Client Project ID
Rowe Industries Site

Matrix
Water

Collection Date/Time
October 28, 2014 12:10 pm

Date Received
10/29/2014

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	0.823		mg/L	0.0146	0.0200	1	EPA 200.7	10/31/2014 14:51	11/01/2014 02:17	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	0.0333		mg/L	0.0200	0.0200	1	EPA 6010C	10/31/2014 14:45	11/01/2014 00:32	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	199		mg/L	10.0	10.0	1	SM 2540C	10/31/2014 10:41	10/31/2014 16:40	AA



Analytical Batch Summary

Batch ID: BJ41620 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14J1172-01	WQ102814:1210NP2-10	10/31/14
BJ41620-BLK1	Blank	10/31/14

Batch ID: BJ41641 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14J1171-01	WQ102814:1200NP2-6	10/31/14
14J1171-02	WQ102814:1205NP2-7	10/31/14
14J1172-01	WQ102814:1210NP2-10	10/31/14
BJ41641-BLK1	Blank	10/31/14
BJ41641-DUP1	Duplicate	10/31/14
BJ41641-MS1	Matrix Spike	10/31/14
BJ41641-SRM1	Reference	10/31/14

Batch ID: BJ41642 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14J1171-01	WQ102814:1200NP2-6	10/31/14
14J1171-02	WQ102814:1205NP2-7	10/31/14
14J1172-01	WQ102814:1210NP2-10	10/31/14
BJ41642-BLK1	Blank	10/31/14
BJ41642-SRM1	Reference	10/31/14

Batch ID: BK40122 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14J1171-01	WQ102814:1200NP2-6	11/04/14
14J1171-02	WQ102814:1205NP2-7	11/04/14
14J1172-01	WQ102814:1210NP2-10	11/04/14
BK40122-BLK1	Blank	11/04/14
BK40122-BS1	LCS	11/04/14
BK40122-BSD1	LCS Dup	11/04/14



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 BK40122 - EPA 5030B

Blank (BK40122-BLK1)

Prepared & Analyzed: 11/04/2014

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	0.47	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	0.32	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	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	0.53	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	0.30	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 BK40122 - EPA 5030B

Blank (BK40122-BLK1)

Prepared & Analyzed: 11/04/2014

p- & m- Xylenes	ND	1.0	ug/L
p-Isopropyltoluene	0.24	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butylbenzene	0.21	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

11.9

"

10.0

119

69-130

Surrogate: p-Bromofluorobenzene

9.47

"

10.0

94.7

79-122

Surrogate: Toluene-d8

9.10

"

10.0

91.0

81-117

LCS (BK40122-BS1)

Prepared & Analyzed: 11/04/2014

1,1,1,2-Tetrachloroethane	11.5		ug/L	10.0		115	82-126
1,1,1-Trichloroethane	13.4		"	10.0		134	78-136
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8		"	10.0		118	54-165
1,1,2-Trichloroethane	10.1		"	10.0		101	82-123
1,1-Dichloroethane	12.2		"	10.0		122	82-129
1,1-Dichloroethylene	13.3		"	10.0		133	68-138
1,1-Dichloropropylene	11.9		"	10.0		119	83-133
1,2,3-Trichlorobenzene	9.94		"	10.0		99.4	76-136
1,2,3-Trichloropropane	9.96		"	10.0		99.6	77-128
1,2,4-Trichlorobenzene	10.2		"	10.0		102	76-137
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132
1,2-Dibromo-3-chloropropane	7.34		"	10.0		73.4	45-147
1,2-Dibromoethane	9.79		"	10.0		97.9	83-124
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123
1,2-Dichloroethane	12.1		"	10.0		121	73-132
1,2-Dichloropropane	10.7		"	10.0		107	78-126
1,3,5-Trimethylbenzene	10.0		"	10.0		100	80-131
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122
1,3-Dichloropropane	10.3		"	10.0		103	81-125
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124
2,2-Dichloropropane	14.2		"	10.0		142	56-150
2-Chlorotoluene	10.5		"	10.0		105	79-130
2-Hexanone	8.98		"	10.0		89.8	51-146
4-Chlorotoluene	10.3		"	10.0		103	79-128
Acetone	14.5		"	10.0		145	14-150
Benzene	11.1		"	10.0		111	85-126
Bromobenzene	10.3		"	10.0		103	78-129
Bromochloromethane	10.7		"	10.0		107	77-128
Bromodichloromethane	10.6		"	10.0		106	79-128
Bromoform	10.9		"	10.0		109	78-133
Bromomethane	12.0		"	10.0		120	43-168
Carbon tetrachloride	13.2		"	10.0		132	77-141
Chlorobenzene	10.2		"	10.0		102	88-120



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 BK40122 - EPA 5030B

LCS (BK40122-BS1)

Prepared & Analyzed: 11/04/2014

Chloroethane	10.2		ug/L	10.0		102	65-136				
Chloroform	12.3		"	10.0		123	82-128				
Chloromethane	10.7		"	10.0		107	43-155				
cis-1,2-Dichloroethylene	11.9		"	10.0		119	83-129				
cis-1,3-Dichloropropylene	10.8		"	10.0		108	80-131				
Dibromochloromethane	10.6		"	10.0		106	80-130				
Dibromomethane	10.7		"	10.0		107	72-134				
Dichlorodifluoromethane	11.9		"	10.0		119	44-144				
Ethyl Benzene	11.0		"	10.0		110	80-131				
Hexachlorobutadiene	10.9		"	10.0		109	67-146				
Isopropylbenzene	11.0		"	10.0		110	76-140				
Methyl tert-butyl ether (MTBE)	11.8		"	10.0		118	76-135				
Methylene chloride	11.9		"	10.0		119	55-137				
Naphthalene	9.83		"	10.0		98.3	70-147				
n-Butylbenzene	10.6		"	10.0		106	79-132				
n-Propylbenzene	10.7		"	10.0		107	78-133				
o-Xylene	11.1		"	10.0		111	78-130				
p- & m- Xylenes	22.4		"	20.0		112	77-133				
p-Isopropyltoluene	11.2		"	10.0		112	81-136				
sec-Butylbenzene	11.0		"	10.0		110	79-137				
Styrene	11.0		"	10.0		110	67-132				
tert-Butylbenzene	11.0		"	10.0		110	77-138				
Tetrachloroethylene	11.1		"	10.0		111	82-131				
Toluene	10.5		"	10.0		105	80-127				
trans-1,2-Dichloroethylene	12.4		"	10.0		124	80-132				
trans-1,3-Dichloropropylene	11.0		"	10.0		110	78-131				
Trichloroethylene	10.9		"	10.0		109	82-128				
Trichlorofluoromethane	13.1		"	10.0		131	67-139				
Vinyl Chloride	11.8		"	10.0		118	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.76</i>		<i>"</i>	<i>10.0</i>		<i>97.6</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.17</i>		<i>"</i>	<i>10.0</i>		<i>91.7</i>	<i>81-117</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 BK40122 - EPA 5030B											
LCS Dup (BK40122-BSD1)						Prepared & Analyzed: 11/04/2014					
1,1,1,2-Tetrachloroethane	11.5		ug/L	10.0		115	82-126		0.522	30	
1,1,1-Trichloroethane	12.6		"	10.0		126	78-136		6.16	30	
1,1,2,2-Tetrachloroethane	9.70		"	10.0		97.0	76-129		3.25	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	54-165		10.0	30	
1,1,2-Trichloroethane	9.83		"	10.0		98.3	82-123		2.71	30	
1,1-Dichloroethane	11.8		"	10.0		118	82-129		3.49	30	
1,1-Dichloroethylene	12.0		"	10.0		120	68-138		9.71	30	
1,1-Dichloropropylene	11.2		"	10.0		112	83-133		5.88	30	
1,2,3-Trichlorobenzene	9.46		"	10.0		94.6	76-136		4.95	30	
1,2,3-Trichloropropane	9.93		"	10.0		99.3	77-128		0.302	30	
1,2,4-Trichlorobenzene	9.86		"	10.0		98.6	76-137		3.68	30	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132		5.50	30	
1,2-Dibromo-3-chloropropane	10.6		"	10.0		106	45-147		36.4	30	Non-dir.
1,2-Dibromoethane	10.2		"	10.0		102	83-124		4.49	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		2.17	30	
1,2-Dichloroethane	12.2		"	10.0		122	73-132		1.40	30	
1,2-Dichloropropane	10.3		"	10.0		103	78-126		4.28	30	
1,3,5-Trimethylbenzene	9.55		"	10.0		95.5	80-131		4.90	30	
1,3-Dichlorobenzene	9.88		"	10.0		98.8	86-122		1.51	30	
1,3-Dichloropropane	10.6		"	10.0		106	81-125		3.54	30	
1,4-Dichlorobenzene	9.76		"	10.0		97.6	85-124		4.80	30	
2,2-Dichloropropane	13.1		"	10.0		131	56-150		7.62	30	
2-Chlorotoluene	10.0		"	10.0		100	79-130		4.00	30	
2-Hexanone	9.35		"	10.0		93.5	51-146		4.04	30	
4-Chlorotoluene	9.92		"	10.0		99.2	79-128		4.15	30	
Acetone	12.9		"	10.0		129	14-150		11.8	30	
Benzene	10.7		"	10.0		107	85-126		3.50	30	
Bromobenzene	9.98		"	10.0		99.8	78-129		3.16	30	
Bromochloromethane	12.3		"	10.0		123	77-128		13.8	30	
Bromodichloromethane	10.7		"	10.0		107	79-128		0.842	30	
Bromoform	11.2		"	10.0		112	78-133		3.08	30	
Bromomethane	12.0		"	10.0		120	43-168		0.250	30	
Carbon tetrachloride	12.5		"	10.0		125	77-141		5.22	30	
Chlorobenzene	9.99		"	10.0		99.9	88-120		2.28	30	
Chloroethane	9.52		"	10.0		95.2	65-136		6.60	30	
Chloroform	12.1		"	10.0		121	82-128		1.15	30	
Chloromethane	10.2		"	10.0		102	43-155		4.39	30	
cis-1,2-Dichloroethylene	12.3		"	10.0		123	83-129		3.89	30	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131		1.59	30	
Dibromochloromethane	11.0		"	10.0		110	80-130		3.87	30	
Dibromomethane	10.7		"	10.0		107	72-134		0.0932	30	
Dichlorodifluoromethane	10.8		"	10.0		108	44-144		9.33	30	
Ethyl Benzene	10.6		"	10.0		106	80-131		3.52	30	
Hexachlorobutadiene	9.52		"	10.0		95.2	67-146		13.8	30	
Isopropylbenzene	10.3		"	10.0		103	76-140		6.95	30	
Methyl tert-butyl ether (MTBE)	12.4		"	10.0		124	76-135		4.95	30	
Methylene chloride	11.6		"	10.0		116	55-137		2.30	30	
Naphthalene	10.0		"	10.0		100	70-147		1.91	30	
n-Butylbenzene	9.44		"	10.0		94.4	79-132		12.0	30	
n-Propylbenzene	9.90		"	10.0		99.0	78-133		7.58	30	
o-Xylene	10.8		"	10.0		108	78-130		3.02	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 BK40122 - EPA 5030B

LCS Dup (BK40122-BSD1)

Prepared & Analyzed: 11/04/2014

p- & m- Xylenes	21.5		ug/L	20.0		108	77-133		3.92	30
p-Isopropyltoluene	10.3		"	10.0		103	81-136		8.67	30
sec-Butylbenzene	10.0		"	10.0		100	79-137		9.15	30
Styrene	10.7		"	10.0		107	67-132		2.85	30
tert-Butylbenzene	10.3		"	10.0		103	77-138		6.84	30
Tetrachloroethylene	10.6		"	10.0		106	82-131		4.78	30
Toluene	10.2		"	10.0		102	80-127		2.99	30
trans-1,2-Dichloroethylene	11.8		"	10.0		118	80-132		5.36	30
trans-1,3-Dichloropropylene	11.1		"	10.0		111	78-131		0.999	30
Trichloroethylene	10.4		"	10.0		104	82-128		4.78	30
Trichlorofluoromethane	12.1		"	10.0		121	67-139		8.49	30
Vinyl Chloride	10.7		"	10.0		107	58-145		9.80	30
Surrogate: 1,2-Dichloroethane-d4	10.8		"	10.0		108	69-130			
Surrogate: p-Bromofluorobenzene	9.99		"	10.0		99.9	79-122			
Surrogate: Toluene-d8	9.30		"	10.0		93.0	81-117			



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 BJ41641 - EPA 3010A

Blank (BJ41641-BLK1)								Prepared: 10/31/2014 Analyzed: 11/01/2014			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BJ41641-DUP1)								Prepared: 10/31/2014 Analyzed: 11/01/2014			
*Source sample: 14J1172-01 (WQ102814:1210NP2-10)											
Iron - Dissolved	0.0368	0.0200	mg/L		0.0333				10.1	20	
Matrix Spike (BJ41641-MS1)								Prepared: 10/31/2014 Analyzed: 11/01/2014			
*Source sample: 14J1172-01 (WQ102814:1210NP2-10)											
Iron - Dissolved	1.08	0.0200	mg/L	1.00	0.0333	105	75-125				
Reference (BJ41641-SRM1)								Prepared: 10/31/2014 Analyzed: 11/01/2014			
Iron - Dissolved	2.54	0.0200	mg/L	2.58		98.6	84.9-115				

Batch BJ41642 - EPA 3010A

Blank (BJ41642-BLK1)								Prepared: 10/31/2014 Analyzed: 11/01/2014			
Iron	ND	0.0200	mg/L								
Reference (BJ41642-SRM1)								Prepared: 10/31/2014 Analyzed: 11/01/2014			
Iron	2.57	0.0200	mg/L	2.58		99.4	84.9-115				



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 BJ41620 - % Solids Prep

Blank (BJ41620-BLK1)

Prepared & Analyzed: 10/31/2014

Total Dissolved Solids	ND	10.0	mg/L
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Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14J1171-01	WQ102814:1200NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J1171-02	WQ102814:1205NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J1172-01	WQ102814:1210NP2-10	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.
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.

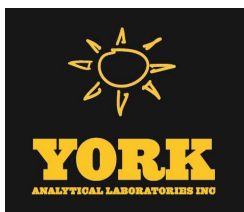
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

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.

APPENDIX II
OCTOBER 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: 10/23/2014

Client Project ID: Rowe Industries Site

York Project (SDG) No.: 14J0723

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/23/2014
Client Project ID: Rowe Industries Site
York Project (SDG) No.: 14J0723

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 October 16, 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>
14J0723-01	WQ101414:1000NP1-1-2	Water	10/14/2014	10/16/2014

General Notes for York Project (SDG) No.: 14J0723

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: 10/23/2014





Sample Information

Client Sample ID: WQ101414:1000NP1-1-2

York Sample ID: 14J0723-01

York Project (SDG) No.

14J0723

Client Project ID

Rowe Industries Site

Matrix

Water

Collection Date/Time

October 14, 2014 10:00 am

Date Received

10/16/2014

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	10/21/2014 16:47	10/22/2014 02:19	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS



Sample Information

Client Sample ID: WQ101414:1000NP1-1-2

York Sample ID: 14J0723-01

York Project (SDG) No.
14J0723

Client Project ID
Rowe Industries Site

Matrix
Water

Collection Date/Time
October 14, 2014 10:00 am

Date Received
10/16/2014

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	10/21/2014 16:47	10/22/2014 02:19	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
127-18-4	Tetrachloroethylene	0.50		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
79-01-6	Trichloroethylene	0.33	J	ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/21/2014 16:47	10/22/2014 02:19	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122								
2037-26-5	Surrogate: Toluene-d8	93.1 %	81-117								



Analytical Batch Summary

Batch ID: BJ41123

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
14J0723-01	WQ101414:1000NP1-1-2	10/21/14
BJ41123-BLK1	Blank	10/21/14
BJ41123-BS1	LCS	10/21/14
BJ41123-BSD1	LCS Dup	10/21/14



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 BJ41123 - EPA 5030B

Blank (BJ41123-BLK1)

Prepared & Analyzed: 10/21/2014

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	0.44	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	0.36	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	"
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	0.33	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 BJ41123 - EPA 5030B

Blank (BJ41123-BLK1)

Prepared & Analyzed: 10/21/2014

p- & m- Xylenes	ND	1.0	ug/L
p-Isopropyltoluene	0.22	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	11.2	"	10.0	112	69-130
Surrogate: p-Bromofluorobenzene	10.2	"	10.0	102	79-122
Surrogate: Toluene-d8	9.63	"	10.0	96.3	81-117

LCS (BJ41123-BS1)

Prepared & Analyzed: 10/21/2014

1,1,1,2-Tetrachloroethane	11.1	ug/L	10.0	111	82-126
1,1,1-Trichloroethane	13.3	"	10.0	133	78-136
1,1,2,2-Tetrachloroethane	10.9	"	10.0	109	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2	"	10.0	122	54-165
1,1,2-Trichloroethane	10.7	"	10.0	107	82-123
1,1-Dichloroethane	12.0	"	10.0	120	82-129
1,1-Dichloroethylene	12.3	"	10.0	123	68-138
1,1-Dichloropropylene	12.2	"	10.0	122	83-133
1,2,3-Trichlorobenzene	11.1	"	10.0	111	76-136
1,2,3-Trichloropropane	10.8	"	10.0	108	77-128
1,2,4-Trichlorobenzene	10.6	"	10.0	106	76-137
1,2,4-Trimethylbenzene	10.8	"	10.0	108	82-132
1,2-Dibromo-3-chloropropane	13.2	"	10.0	132	45-147
1,2-Dibromoethane	10.9	"	10.0	109	83-124
1,2-Dichlorobenzene	10.5	"	10.0	105	79-123
1,2-Dichloroethane	12.3	"	10.0	123	73-132
1,2-Dichloropropane	10.5	"	10.0	105	78-126
1,3,5-Trimethylbenzene	10.6	"	10.0	106	80-131
1,3-Dichlorobenzene	10.5	"	10.0	105	86-122
1,3-Dichloropropane	10.4	"	10.0	104	81-125
1,4-Dichlorobenzene	10.3	"	10.0	103	85-124
2,2-Dichloropropane	12.3	"	10.0	123	56-150
2-Chlorotoluene	11.1	"	10.0	111	79-130
2-Hexanone	9.81	"	10.0	98.1	51-146
4-Chlorotoluene	10.5	"	10.0	105	79-128
Acetone	11.1	"	10.0	111	14-150
Benzene	11.7	"	10.0	117	85-126
Bromobenzene	11.0	"	10.0	110	78-129
Bromochloromethane	12.2	"	10.0	122	77-128
Bromodichloromethane	11.4	"	10.0	114	79-128
Bromoform	10.9	"	10.0	109	78-133
Bromomethane	13.1	"	10.0	131	43-168
Carbon tetrachloride	13.8	"	10.0	138	77-141
Chlorobenzene	10.6	"	10.0	106	88-120



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 BJ41123 - EPA 5030B

LCS (BJ41123-BS1)

Prepared & Analyzed: 10/21/2014

Chloroethane	11.8		ug/L	10.0		118	65-136				
Chloroform	12.4		"	10.0		124	82-128				
Chloromethane	12.2		"	10.0		122	43-155				
cis-1,2-Dichloroethylene	12.3		"	10.0		123	83-129				
cis-1,3-Dichloropropylene	10.1		"	10.0		101	80-131				
Dibromochloromethane	11.4		"	10.0		114	80-130				
Dibromomethane	11.1		"	10.0		111	72-134				
Dichlorodifluoromethane	10.8		"	10.0		108	44-144				
Ethyl Benzene	11.1		"	10.0		111	80-131				
Hexachlorobutadiene	10.7		"	10.0		107	67-146				
Isopropylbenzene	11.1		"	10.0		111	76-140				
Methyl tert-butyl ether (MTBE)	12.1		"	10.0		121	76-135				
Methylene chloride	14.6		"	10.0		146	55-137	High Bias			
Naphthalene	10.6		"	10.0		106	70-147				
n-Butylbenzene	10.8		"	10.0		108	79-132				
n-Propylbenzene	10.9		"	10.0		109	78-133				
o-Xylene	11.2		"	10.0		112	78-130				
p- & m- Xylenes	22.4		"	20.0		112	77-133				
p-Isopropyltoluene	11.0		"	10.0		110	81-136				
sec-Butylbenzene	10.9		"	10.0		109	79-137				
Styrene	11.0		"	10.0		110	67-132				
tert-Butylbenzene	10.9		"	10.0		109	77-138				
Tetrachloroethylene	11.3		"	10.0		113	82-131				
Toluene	11.0		"	10.0		110	80-127				
trans-1,2-Dichloroethylene	12.4		"	10.0		124	80-132				
trans-1,3-Dichloropropylene	10.5		"	10.0		105	78-131				
Trichloroethylene	11.1		"	10.0		111	82-128				
Trichlorofluoromethane	13.5		"	10.0		135	67-139				
Vinyl Chloride	11.3		"	10.0		113	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.5</i>		<i>"</i>	<i>10.0</i>		<i>115</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</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 BJ41123 - EPA 5030B											
LCS Dup (BJ41123-BSD1)						Prepared & Analyzed: 10/21/2014					
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126		3.19	30	
1,1,1-Trichloroethane	12.5		"	10.0		125	78-136		5.90	30	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	76-129		4.41	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6		"	10.0		116	54-165		4.46	30	
1,1,2-Trichloroethane	10.3		"	10.0		103	82-123		3.52	30	
1,1-Dichloroethane	11.7		"	10.0		117	82-129		2.29	30	
1,1-Dichloroethylene	11.8		"	10.0		118	68-138		4.66	30	
1,1-Dichloropropylene	11.5		"	10.0		115	83-133		5.84	30	
1,2,3-Trichlorobenzene	10.5		"	10.0		105	76-136		5.38	30	
1,2,3-Trichloropropane	5.39		"	10.0		53.9	77-128	Low Bias	66.7	30	Non-dir.
1,2,4-Trichlorobenzene	10.4		"	10.0		104	76-137		2.09	30	
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132		1.02	30	
1,2-Dibromo-3-chloropropane	12.2		"	10.0		122	45-147		7.73	30	
1,2-Dibromoethane	10.3		"	10.0		103	83-124		5.19	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123		1.15	30	
1,2-Dichloroethane	11.6		"	10.0		116	73-132		5.94	30	
1,2-Dichloropropane	10.4		"	10.0		104	78-126		1.44	30	
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131		2.98	30	
1,3-Dichlorobenzene	10.5		"	10.0		105	86-122		0.572	30	
1,3-Dichloropropane	10.1		"	10.0		101	81-125		2.54	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124		0.194	30	
2,2-Dichloropropane	11.3		"	10.0		113	56-150		8.47	30	
2-Chlorotoluene	11.2		"	10.0		112	79-130		1.44	30	
2-Hexanone	9.82		"	10.0		98.2	51-146		0.102	30	
4-Chlorotoluene	11.3		"	10.0		113	79-128		7.46	30	
Acetone	11.6		"	10.0		116	14-150		4.06	30	
Benzene	11.2		"	10.0		112	85-126		4.45	30	
Bromobenzene	10.2		"	10.0		102	78-129		6.69	30	
Bromochloromethane	10.9		"	10.0		109	77-128		10.9	30	
Bromodichloromethane	11.3		"	10.0		113	79-128		0.176	30	
Bromoform	10.2		"	10.0		102	78-133		6.53	30	
Bromomethane	12.4		"	10.0		124	43-168		5.96	30	
Carbon tetrachloride	13.2		"	10.0		132	77-141		4.59	30	
Chlorobenzene	10.5		"	10.0		105	88-120		1.80	30	
Chloroethane	11.2		"	10.0		112	65-136		5.82	30	
Chloroform	11.3		"	10.0		113	82-128		9.52	30	
Chloromethane	11.4		"	10.0		114	43-155		6.72	30	
cis-1,2-Dichloroethylene	11.4		"	10.0		114	83-129		8.11	30	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	80-131		0.891	30	
Dibromochloromethane	10.8		"	10.0		108	80-130		5.95	30	
Dibromomethane	10.8		"	10.0		108	72-134		3.11	30	
Dichlorodifluoromethane	10.2		"	10.0		102	44-144		5.25	30	
Ethyl Benzene	10.9		"	10.0		109	80-131		2.18	30	
Hexachlorobutadiene	10.5		"	10.0		105	67-146		2.45	30	
Isopropylbenzene	11.0		"	10.0		110	76-140		0.542	30	
Methyl tert-butyl ether (MTBE)	11.1		"	10.0		111	76-135		8.01	30	
Methylene chloride	14.1		"	10.0		141	55-137	High Bias	3.41	30	
Naphthalene	10.7		"	10.0		107	70-147		0.375	30	
n-Butylbenzene	10.6		"	10.0		106	79-132		2.06	30	
n-Propylbenzene	10.8		"	10.0		108	78-133		0.737	30	
o-Xylene	11.1		"	10.0		111	78-130		0.718	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

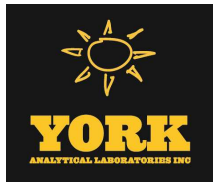
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ41123 - EPA 5030B

LCS Dup (BJ41123-BSD1)

Prepared & Analyzed: 10/21/2014

p- & m- Xylenes	21.9		ug/L	20.0		110	77-133		2.03	30
p-Isopropyltoluene	11.0		"	10.0		110	81-136		0.456	30
sec-Butylbenzene	10.7		"	10.0		107	79-137		1.57	30
Styrene	10.9		"	10.0		109	67-132		0.456	30
tert-Butylbenzene	10.9		"	10.0		109	77-138		0.183	30
Tetrachloroethylene	10.9		"	10.0		109	82-131		3.52	30
Toluene	10.7		"	10.0		107	80-127		2.49	30
trans-1,2-Dichloroethylene	11.6		"	10.0		116	80-132		6.00	30
trans-1,3-Dichloropropylene	10.2		"	10.0		102	78-131		3.18	30
Trichloroethylene	10.7		"	10.0		107	82-128		3.66	30
Trichlorofluoromethane	12.6		"	10.0		126	67-139		6.51	30
Vinyl Chloride	11.3		"	10.0		113	58-145		0.266	30
Surrogate: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130			
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	79-122			
Surrogate: Toluene-d8	9.79		"	10.0		97.9	81-117			



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14J0723-01	WQ101414:1000NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

* 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.

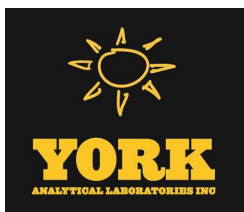
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

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.



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 10/24/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14J0724

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/24/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14J0724

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 October 16, 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>
14J0724-01	WQ101414:1015FRW1	Water	10/14/2014	10/16/2014
14J0724-02	WQ101414:1020FRW2	Water	10/14/2014	10/16/2014
14J0724-03	WQ101414:1025FRW3	Water	10/14/2014	10/16/2014
14J0724-04	WQ101414:1030FRW4	Water	10/14/2014	10/16/2014

General Notes for York Project (SDG) No.: 14J0724

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: 10/24/2014





Sample Information

Client Sample ID: WQ101414:1015FRW1

York Sample ID: 14J0724-01

York Project (SDG) No.

14J0724

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 14, 2014 10:15 am

Date Received

10/16/2014

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	10/23/2014 16:50	10/23/2014 19:31	SS
71-55-6	1,1,1-Trichloroethane	0.62	CCV-E	ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS



Sample Information

Client Sample ID: WQ101414:1015FRW1

York Sample ID: 14J0724-01

York Project (SDG) No.
14J0724

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 14, 2014 10:15 am

Date Received
10/16/2014

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	10/23/2014 16:50	10/23/2014 19:31	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
156-59-2	cis-1,2-Dichloroethylene	0.46	J	ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
127-18-4	Tetrachloroethylene	41		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
79-01-6	Trichloroethylene	0.84		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/23/2014 16:50	10/23/2014 19:31	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122								
2037-26-5	Surrogate: Toluene-d8	94.1 %	81-117								



Sample Information

Client Sample ID: WQ101414:1020FRW2

York Sample ID: 14J0724-02

York Project (SDG) No.
14J0724

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 14, 2014 10:20 am

Date Received
10/16/2014

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	10/23/2014 16:50	10/23/2014 20:12	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS



Sample Information

Client Sample ID: WQ101414:1020FRW2

York Sample ID: 14J0724-02

York Project (SDG) No.
14J0724

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 14, 2014 10:20 am

Date Received
10/16/2014

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	10/23/2014 16:50	10/23/2014 20:12	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
156-59-2	cis-1,2-Dichloroethylene	0.46	J	ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
127-18-4	Tetrachloroethylene	29		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
79-01-6	Trichloroethylene	1.5		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:12	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.7 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	79-122								
2037-26-5	Surrogate: Toluene-d8	95.8 %	81-117								



Sample Information

Client Sample ID: WQ101414:1025FRW3

York Sample ID: 14J0724-03

York Project (SDG) No.
14J0724

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 14, 2014 10:25 am

Date Received
10/16/2014

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	10/23/2014 16:50	10/23/2014 20:51	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS



Sample Information

Client Sample ID: WQ101414:1025FRW3

York Sample ID: 14J0724-03

York Project (SDG) No.
14J0724

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 14, 2014 10:25 am

Date Received
10/16/2014

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	10/23/2014 16:50	10/23/2014 20:51	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
156-59-2	cis-1,2-Dichloroethylene	1.4		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
98-82-8	Isopropylbenzene	0.49	J	ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
75-09-2	Methylene chloride	1.1	J	ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
103-65-1	n-Propylbenzene	0.35	J	ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
127-18-4	Tetrachloroethylene	8.0		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
79-01-6	Trichloroethylene	1.6		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/23/2014 16:50	10/23/2014 20:51	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	79-122								
2037-26-5	Surrogate: Toluene-d8	95.8 %	81-117								



Sample Information

Client Sample ID: WQ101414:1030FRW4

York Sample ID: 14J0724-04

York Project (SDG) No.
14J0724

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 14, 2014 10:30 am

Date Received
10/16/2014

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	10/23/2014 16:50	10/23/2014 21:31	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS



Sample Information

Client Sample ID: WQ101414:1030FRW4

York Sample ID: 14J0724-04

York Project (SDG) No.
14J0724

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 14, 2014 10:30 am

Date Received
10/16/2014

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	10/23/2014 16:50	10/23/2014 21:31	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
156-59-2	cis-1,2-Dichloroethylene	0.70		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
127-18-4	Tetrachloroethylene	2.8		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
79-01-6	Trichloroethylene	0.55		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/23/2014 16:50	10/23/2014 21:31	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	79-122								
2037-26-5	Surrogate: Toluene-d8	102 %	81-117								



Analytical Batch Summary

Batch ID: BJ41257

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
14J0724-01	WQ101414:1015FRW1	10/23/14
14J0724-02	WQ101414:1020FRW2	10/23/14
14J0724-03	WQ101414:1025FRW3	10/23/14
14J0724-04	WQ101414:1030FRW4	10/23/14
BJ41257-BLK1	Blank	10/23/14
BJ41257-BS1	LCS	10/23/14
BJ41257-BSD1	LCS Dup	10/23/14
BJ41257-MS1	Matrix Spike	10/23/14
BJ41257-MSD1	Matrix Spike Dup	10/23/14



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 BJ41257 - EPA 5030B

Blank (BJ41257-BLK1)

Prepared & Analyzed: 10/23/2014

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	"
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 BJ41257 - EPA 5030B

Blank (BJ41257-BLK1)

Prepared & Analyzed: 10/23/2014

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	10.5	"	10.0	105	69-130
Surrogate: p-Bromofluorobenzene	10.1	"	10.0	101	79-122
Surrogate: Toluene-d8	9.49	"	10.0	94.9	81-117

LCS (BJ41257-BS1)

Prepared & Analyzed: 10/23/2014

1,1,1,2-Tetrachloroethane	10.9	ug/L	10.0	109	82-126
1,1,1-Trichloroethane	12.2	"	10.0	122	78-136
1,1,2,2-Tetrachloroethane	10.8	"	10.0	108	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.8	"	10.0	128	54-165
1,1,2-Trichloroethane	10.2	"	10.0	102	82-123
1,1-Dichloroethane	12.0	"	10.0	120	82-129
1,1-Dichloroethylene	12.3	"	10.0	123	68-138
1,1-Dichloropropylene	11.9	"	10.0	119	83-133
1,2,3-Trichlorobenzene	10.7	"	10.0	107	76-136
1,2,3-Trichloropropane	10.8	"	10.0	108	77-128
1,2,4-Trichlorobenzene	10.4	"	10.0	104	76-137
1,2,4-Trimethylbenzene	10.8	"	10.0	108	82-132
1,2-Dibromo-3-chloropropane	10.4	"	10.0	104	45-147
1,2-Dibromoethane	10.6	"	10.0	106	83-124
1,2-Dichlorobenzene	10.4	"	10.0	104	79-123
1,2-Dichloroethane	11.0	"	10.0	110	73-132
1,2-Dichloropropane	10.5	"	10.0	105	78-126
1,3,5-Trimethylbenzene	10.8	"	10.0	108	80-131
1,3-Dichlorobenzene	10.4	"	10.0	104	86-122
1,3-Dichloropropane	10.5	"	10.0	105	81-125
1,4-Dichlorobenzene	10.5	"	10.0	105	85-124
2,2-Dichloropropane	10.8	"	10.0	108	56-150
2-Chlorotoluene	10.9	"	10.0	109	79-130
2-Hexanone	11.1	"	10.0	111	51-146
4-Chlorotoluene	10.3	"	10.0	103	79-128
Acetone	9.83	"	10.0	98.3	14-150
Benzene	11.5	"	10.0	115	85-126
Bromobenzene	10.1	"	10.0	101	78-129
Bromochloromethane	11.2	"	10.0	112	77-128
Bromodichloromethane	11.0	"	10.0	110	79-128
Bromoform	10.6	"	10.0	106	78-133
Bromomethane	13.4	"	10.0	134	43-168
Carbon tetrachloride	12.4	"	10.0	124	77-141
Chlorobenzene	10.8	"	10.0	108	88-120



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 BJ41257 - EPA 5030B

LCS (BJ41257-BS1)

Prepared & Analyzed: 10/23/2014

Chloroethane	12.5		ug/L	10.0		125	65-136				
Chloroform	11.4		"	10.0		114	82-128				
Chloromethane	12.2		"	10.0		122	43-155				
cis-1,2-Dichloroethylene	11.5		"	10.0		115	83-129				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131				
Dibromochloromethane	10.6		"	10.0		106	80-130				
Dibromomethane	11.5		"	10.0		115	72-134				
Dichlorodifluoromethane	12.4		"	10.0		124	44-144				
Ethyl Benzene	11.1		"	10.0		111	80-131				
Hexachlorobutadiene	9.95		"	10.0		99.5	67-146				
Isopropylbenzene	11.2		"	10.0		112	76-140				
Methyl tert-butyl ether (MTBE)	11.5		"	10.0		115	76-135				
Methylene chloride	10.6		"	10.0		106	55-137				
Naphthalene	10.7		"	10.0		107	70-147				
n-Butylbenzene	10.5		"	10.0		105	79-132				
n-Propylbenzene	10.9		"	10.0		109	78-133				
o-Xylene	11.0		"	10.0		110	78-130				
p- & m- Xylenes	21.9		"	20.0		110	77-133				
p-Isopropyltoluene	11.0		"	10.0		110	81-136				
sec-Butylbenzene	11.1		"	10.0		111	79-137				
Styrene	11.1		"	10.0		111	67-132				
tert-Butylbenzene	11.1		"	10.0		111	77-138				
Tetrachloroethylene	11.0		"	10.0		110	82-131				
Toluene	11.1		"	10.0		111	80-127				
trans-1,2-Dichloroethylene	12.0		"	10.0		120	80-132				
trans-1,3-Dichloropropylene	10.9		"	10.0		109	78-131				
Trichloroethylene	10.9		"	10.0		109	82-128				
Trichlorofluoromethane	12.2		"	10.0		122	67-139				
Vinyl Chloride	12.5		"	10.0		125	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.59</i>		<i>"</i>	<i>10.0</i>		<i>95.9</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</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 BJ41257 - EPA 5030B											
LCS Dup (BJ41257-BSD1)						Prepared & Analyzed: 10/23/2014					
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126		5.64	30	
1,1,1-Trichloroethane	12.2		"	10.0		122	78-136		0.0821	30	
1,1,2,2-Tetrachloroethane	10.9		"	10.0		109	76-129		1.48	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.9		"	10.0		129	54-165		0.466	30	
1,1,2-Trichloroethane	10.4		"	10.0		104	82-123		1.84	30	
1,1-Dichloroethane	12.1		"	10.0		121	82-129		0.916	30	
1,1-Dichloroethylene	12.4		"	10.0		124	68-138		0.567	30	
1,1-Dichloropropylene	11.9		"	10.0		119	83-133		0.504	30	
1,2,3-Trichlorobenzene	10.9		"	10.0		109	76-136		1.95	30	
1,2,3-Trichloropropane	10.5		"	10.0		105	77-128		2.82	30	
1,2,4-Trichlorobenzene	10.6		"	10.0		106	76-137		1.33	30	
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132		1.97	30	
1,2-Dibromo-3-chloropropane	11.0		"	10.0		110	45-147		5.22	30	
1,2-Dibromoethane	10.2		"	10.0		102	83-124		3.36	30	
1,2-Dichlorobenzene	10.5		"	10.0		105	79-123		1.25	30	
1,2-Dichloroethane	11.6		"	10.0		116	73-132		5.40	30	
1,2-Dichloropropane	10.4		"	10.0		104	78-126		0.858	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131		1.03	30	
1,3-Dichlorobenzene	10.6		"	10.0		106	86-122		1.62	30	
1,3-Dichloropropane	10.4		"	10.0		104	81-125		1.05	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124		2.12	30	
2,2-Dichloropropane	13.1		"	10.0		131	56-150		19.6	30	
2-Chlorotoluene	10.6		"	10.0		106	79-130		3.16	30	
2-Hexanone	11.2		"	10.0		112	51-146		0.990	30	
4-Chlorotoluene	10.4		"	10.0		104	79-128		1.35	30	
Acetone	12.1		"	10.0		121	14-150		20.8	30	
Benzene	12.2		"	10.0		122	85-126		5.97	30	
Bromobenzene	10.9		"	10.0		109	78-129		7.24	30	
Bromochloromethane	12.5		"	10.0		125	77-128		11.0	30	
Bromodichloromethane	10.7		"	10.0		107	79-128		2.58	30	
Bromoform	11.1		"	10.0		111	78-133		4.69	30	
Bromomethane	13.8		"	10.0		138	43-168		3.23	30	
Carbon tetrachloride	12.6		"	10.0		126	77-141		1.44	30	
Chlorobenzene	10.7		"	10.0		107	88-120		0.650	30	
Chloroethane	12.3		"	10.0		123	65-136		1.53	30	
Chloroform	12.2		"	10.0		122	82-128		7.21	30	
Chloromethane	12.8		"	10.0		128	43-155		4.49	30	
cis-1,2-Dichloroethylene	12.3		"	10.0		123	83-129		6.39	30	
cis-1,3-Dichloropropylene	10.8		"	10.0		108	80-131		2.62	30	
Dibromochloromethane	11.2		"	10.0		112	80-130		5.14	30	
Dibromomethane	10.8		"	10.0		108	72-134		6.35	30	
Dichlorodifluoromethane	12.1		"	10.0		121	44-144		2.04	30	
Ethyl Benzene	10.5		"	10.0		105	80-131		4.91	30	
Hexachlorobutadiene	10.2		"	10.0		102	67-146		2.38	30	
Isopropylbenzene	10.8		"	10.0		108	76-140		3.54	30	
Methyl tert-butyl ether (MTBE)	12.8		"	10.0		128	76-135		10.3	30	
Methylene chloride	11.4		"	10.0		114	55-137		7.48	30	
Naphthalene	10.9		"	10.0		109	70-147		1.48	30	
n-Butylbenzene	10.6		"	10.0		106	79-132		1.52	30	
n-Propylbenzene	10.6		"	10.0		106	78-133		3.63	30	
o-Xylene	10.6		"	10.0		106	78-130		3.69	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 BJ41257 - EPA 5030B

LCS Dup (BJ41257-BSD1)

Prepared & Analyzed: 10/23/2014

p- & m- Xylenes	21.5		ug/L	20.0		107	77-133		2.07	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		2.02	30	
sec-Butylbenzene	10.9		"	10.0		109	79-137		1.64	30	
Styrene	11.0		"	10.0		110	67-132		1.26	30	
tert-Butylbenzene	10.5		"	10.0		105	77-138		5.29	30	
Tetrachloroethylene	10.6		"	10.0		106	82-131		3.78	30	
Toluene	10.8		"	10.0		108	80-127		2.28	30	
trans-1,2-Dichloroethylene	12.3		"	10.0		123	80-132		2.64	30	
trans-1,3-Dichloropropylene	11.0		"	10.0		110	78-131		1.55	30	
Trichloroethylene	10.8		"	10.0		108	82-128		0.645	30	
Trichlorofluoromethane	12.6		"	10.0		126	67-139		3.23	30	
Vinyl Chloride	12.8		"	10.0		128	58-145		2.37	30	
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				
Surrogate: Toluene-d8	9.73		"	10.0		97.3	81-117				

Matrix Spike (BJ41257-MS1)

*Source sample: 14J0724-01 (WQ101414:1015FRW1)

Prepared: 10/23/2014 Analyzed: 10/24/2014

1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0	ND	103	45-161				
1,1,1-Trichloroethane	12.2		"	10.0	0.620	116	70-146				
1,1,2,2-Tetrachloroethane	10.6		"	10.0	ND	106	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2		"	10.0	ND	122	21-217				
1,1,2-Trichloroethane	12.8		"	10.0	ND	128	59-146				
1,1-Dichloroethane	11.3		"	10.0	ND	113	54-146				
1,1-Dichloroethylene	12.0		"	10.0	ND	120	44-165				
1,1-Dichloropropylene	11.2		"	10.0	ND	112	82-134				
1,2,3-Trichlorobenzene	9.62		"	10.0	ND	96.2	40-161				
1,2,3-Trichloropropane	10.6		"	10.0	ND	106	74-127				
1,2,4-Trichlorobenzene	9.34		"	10.0	ND	93.4	41-161				
1,2,4-Trimethylbenzene	9.48		"	10.0	ND	94.8	72-129				
1,2-Dibromo-3-chloropropane	8.37		"	10.0	ND	83.7	31-151				
1,2-Dibromoethane	10.4		"	10.0	ND	104	75-125				
1,2-Dichlorobenzene	9.30		"	10.0	ND	93.0	63-122				
1,2-Dichloroethane	11.0		"	10.0	ND	110	68-131				
1,2-Dichloropropane	10.1		"	10.0	ND	101	77-121				
1,3,5-Trimethylbenzene	9.27		"	10.0	ND	92.7	69-126				
1,3-Dichlorobenzene	9.56		"	10.0	ND	95.6	74-119				
1,3-Dichloropropane	10.4		"	10.0	ND	104	77-119				
1,4-Dichlorobenzene	9.51		"	10.0	ND	95.1	70-124				
2,2-Dichloropropane	7.93		"	10.0	ND	79.3	10-160				
2-Chlorotoluene	9.35		"	10.0	ND	93.5	70-126				
2-Hexanone	10.5		"	10.0	ND	105	53-133				
4-Chlorotoluene	9.54		"	10.0	ND	95.4	69-124				
Acetone	10.6		"	10.0	ND	106	13-149				
Benzene	11.4		"	10.0	ND	114	38-155				
Bromobenzene	10.1		"	10.0	ND	101	72-122				
Bromochloromethane	11.2		"	10.0	ND	112	75-121				
Bromodichloromethane	10.4		"	10.0	ND	104	70-129				
Bromoform	10.8		"	10.0	ND	108	66-136				
Bromomethane	11.2		"	10.0	ND	112	30-158				
Carbon tetrachloride	12.5		"	10.0	ND	125	71-146				
Chlorobenzene	10.1		"	10.0	ND	101	81-117				
Chloroethane	11.0		"	10.0	ND	110	51-145				



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 BJ41257 - EPA 5030B

Matrix Spike (BJ41257-MS1)	*Source sample: 14J0724-01 (WQ101414:1015FRW1)						Prepared: 10/23/2014 Analyzed: 10/24/2014				
Chloroform	11.5		ug/L	10.0	ND	115	80-124				
Chloromethane	10.5		"	10.0	ND	105	16-163				
cis-1,2-Dichloroethylene	11.4		"	10.0	0.460	109	76-125				
cis-1,3-Dichloropropylene	9.34		"	10.0	ND	93.4	58-131				
Dibromochloromethane	10.9		"	10.0	ND	109	71-129				
Dibromomethane	11.1		"	10.0	ND	111	76-120				
Dichlorodifluoromethane	11.2		"	10.0	ND	112	30-147				
Ethyl Benzene	10.4		"	10.0	ND	104	72-128				
Hexachlorobutadiene	9.06		"	10.0	ND	90.6	34-166				
Isopropylbenzene	10.0		"	10.0	ND	100	66-139				
Methyl tert-butyl ether (MTBE)	11.8		"	10.0	ND	118	75-128				
Methylene chloride	11.1		"	10.0	0.840	103	57-128				
Naphthalene	9.76		"	10.0	ND	97.6	39-158				
n-Butylbenzene	9.31		"	10.0	ND	93.1	61-138				
n-Propylbenzene	9.61		"	10.0	ND	96.1	66-134				
o-Xylene	10.3		"	10.0	ND	103	69-126				
p- & m- Xylenes	20.7		"	20.0	ND	104	67-130				
p-Isopropyltoluene	9.70		"	10.0	ND	97.0	64-137				
sec-Butylbenzene	9.97		"	10.0	ND	99.7	53-155				
Styrene	10.8		"	10.0	ND	108	69-125				
tert-Butylbenzene	9.78		"	10.0	ND	97.8	65-139				
Tetrachloroethylene	43.5		"	10.0	40.9	26.4	64-139	Low Bias			
Toluene	10.4		"	10.0	ND	104	76-123				
trans-1,2-Dichloroethylene	11.0		"	10.0	ND	110	79-131				
trans-1,3-Dichloropropylene	9.73		"	10.0	ND	97.3	55-130				
Trichloroethylene	11.0		"	10.0	0.840	102	53-145				
Trichlorofluoromethane	11.9		"	10.0	ND	119	61-142				
Vinyl Chloride	11.4		"	10.0	ND	114	31-165				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.57</i>		<i>"</i>	<i>10.0</i>		<i>95.7</i>	<i>81-117</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 BJ41257 - EPA 5030B											
Matrix Spike Dup (BJ41257-MSD1)	*Source sample: 14J0724-01 (WQ101414:1015FRW1)						Prepared: 10/23/2014 Analyzed: 10/24/2014				
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0	ND	108	45-161		4.94	30	
1,1,1-Trichloroethane	12.7		"	10.0	0.620	121	70-146		4.34	30	
1,1,2,2-Tetrachloroethane	10.8		"	10.0	ND	108	74-121		1.86	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3		"	10.0	ND	123	21-217		0.814	30	
1,1,2-Trichloroethane	13.8		"	10.0	ND	138	59-146		7.51	30	
1,1-Dichloroethane	11.5		"	10.0	ND	115	54-146		1.93	30	
1,1-Dichloroethylene	12.0		"	10.0	ND	120	44-165		0.0830	30	
1,1-Dichloropropylene	11.6		"	10.0	ND	116	82-134		3.15	30	
1,2,3-Trichlorobenzene	10.7		"	10.0	ND	107	40-161		10.6	30	
1,2,3-Trichloropropane	10.6		"	10.0	ND	106	74-127		0.283	30	
1,2,4-Trichlorobenzene	9.94		"	10.0	ND	99.4	41-161		6.22	30	
1,2,4-Trimethylbenzene	10.0		"	10.0	ND	100	72-129		5.64	30	
1,2-Dibromo-3-chloropropane	9.79		"	10.0	ND	97.9	31-151		15.6	30	
1,2-Dibromoethane	10.8		"	10.0	ND	108	75-125		4.16	30	
1,2-Dichlorobenzene	10.1		"	10.0	ND	101	63-122		8.05	30	
1,2-Dichloroethane	11.2		"	10.0	ND	112	68-131		1.71	30	
1,2-Dichloropropane	10.8		"	10.0	ND	108	77-121		6.70	30	
1,3,5-Trimethylbenzene	9.74		"	10.0	ND	97.4	69-126		4.94	30	
1,3-Dichlorobenzene	10.0		"	10.0	ND	100	74-119		4.90	30	
1,3-Dichloropropane	10.3		"	10.0	ND	103	77-119		0.290	30	
1,4-Dichlorobenzene	9.73		"	10.0	ND	97.3	70-124		2.29	30	
2,2-Dichloropropane	8.03		"	10.0	ND	80.3	10-160		1.25	30	
2-Chlorotoluene	10.1		"	10.0	ND	101	70-126		7.51	30	
2-Hexanone	10.4		"	10.0	ND	104	53-133		0.382	30	
4-Chlorotoluene	9.76		"	10.0	ND	97.6	69-124		2.28	30	
Acetone	11.2		"	10.0	ND	112	13-149		6.15	30	
Benzene	11.6		"	10.0	ND	116	38-155		1.91	30	
Bromobenzene	10.8		"	10.0	ND	108	72-122		6.40	30	
Bromochloromethane	11.4		"	10.0	ND	114	75-121		2.30	30	
Bromodichloromethane	10.9		"	10.0	ND	109	70-129		5.18	30	
Bromoform	11.4		"	10.0	ND	114	66-136		4.60	30	
Bromomethane	12.6		"	10.0	ND	126	30-158		11.1	30	
Carbon tetrachloride	12.9		"	10.0	ND	129	71-146		3.38	30	
Chlorobenzene	10.4		"	10.0	ND	104	81-117		3.11	30	
Chloroethane	11.5		"	10.0	ND	115	51-145		4.70	30	
Chloroform	11.6		"	10.0	ND	116	80-124		1.04	30	
Chloromethane	11.0		"	10.0	ND	110	16-163		5.20	30	
cis-1,2-Dichloroethylene	12.0		"	10.0	0.460	115	76-125		4.88	30	
cis-1,3-Dichloropropylene	9.81		"	10.0	ND	98.1	58-131		4.91	30	
Dibromochloromethane	10.9		"	10.0	ND	109	71-129		0.183	30	
Dibromomethane	11.2		"	10.0	ND	112	76-120		0.539	30	
Dichlorodifluoromethane	11.3		"	10.0	ND	113	30-147		0.533	30	
Ethyl Benzene	10.7		"	10.0	ND	107	72-128		3.13	30	
Hexachlorobutadiene	9.87		"	10.0	ND	98.7	34-166		8.56	30	
Isopropylbenzene	10.7		"	10.0	ND	107	66-139		6.76	30	
Methyl tert-butyl ether (MTBE)	12.0		"	10.0	ND	120	75-128		1.52	30	
Methylene chloride	11.2		"	10.0	0.840	104	57-128		1.25	30	
Naphthalene	10.9		"	10.0	ND	109	39-158		10.9	30	
n-Butylbenzene	9.79		"	10.0	ND	97.9	61-138		5.03	30	
n-Propylbenzene	10.4		"	10.0	ND	104	66-134		7.61	30	
o-Xylene	10.6		"	10.0	ND	106	69-126		3.25	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 BJ41257 - EPA 5030B

Matrix Spike Dup (BJ41257-MSD1)	*Source sample: 14J0724-01 (WQ101414:1015FRW1)						Prepared: 10/23/2014 Analyzed: 10/24/2014				
p- & m- Xylenes	21.1		ug/L	20.0	ND	106	67-130		1.91	30	
p-Isopropyltoluene	10.3		"	10.0	ND	103	64-137		5.81	30	
sec-Butylbenzene	10.4		"	10.0	ND	104	53-155		4.61	30	
Styrene	10.4		"	10.0	ND	104	69-125		3.11	30	
tert-Butylbenzene	10.5		"	10.0	ND	105	65-139		7.10	30	
Tetrachloroethylene	46.8		"	10.0	40.9	59.1	64-139	Low Bias	7.24	30	
Toluene	10.7		"	10.0	ND	107	76-123		2.18	30	
trans-1,2-Dichloroethylene	11.6		"	10.0	ND	116	79-131		5.49	30	
trans-1,3-Dichloropropylene	9.89		"	10.0	ND	98.9	55-130		1.63	30	
Trichloroethylene	11.6		"	10.0	0.840	107	53-145		4.51	30	
Trichlorofluoromethane	12.5		"	10.0	ND	125	61-142		4.99	30	
Vinyl Chloride	11.8		"	10.0	ND	118	31-165		3.72	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.90</i>		<i>"</i>	<i>10.0</i>		<i>99.0</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.62</i>		<i>"</i>	<i>10.0</i>		<i>96.2</i>	<i>81-117</i>				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14J0724-01	WQ101414:1015FRW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0724-02	WQ101414:1020FRW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0724-03	WQ101414:1025FRW3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0724-04	WQ101414:1030FRW4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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.

20 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.

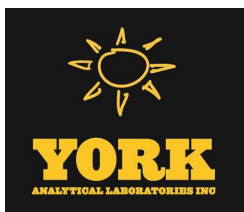
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10/10/14

(RW & FRW)

APPENDIX III
OCTOBER 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: 11/04/2014

Client Project ID: Rowe Industries

York Project (SDG) No.: 14J1173

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 11/04/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14J1173

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 October 29, 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>
14J1173-01	AQ102814:1300NP4-1	Vapor Extraction	10/28/2014	10/29/2014
14J1173-02	AQ102814:1305NP4-2	Vapor Extraction	10/28/2014	10/29/2014
14J1173-03	AQ102814:1310NP4-3	Vapor Extraction	10/28/2014	10/29/2014

General Notes for York Project (SDG) No.: 14J1173

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: 11/04/2014





Sample Information

Client Sample ID: AQ102814:1300NP4-1

York Sample ID: 14J1173-01

York Project (SDG) No.

14J1173

Client Project ID

Rowe Industries

Matrix

Vapor Extraction

Collection Date/Time

October 28, 2014 1:00 pm

Date Received

10/29/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.11	0.11	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.61	0.61	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.23	0.23	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.79	0.79	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.69	0.69	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
108-88-3	Toluene	ND		ug/m ³	0.65	0.65	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.51	0.51	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
127-18-4	Tetrachloroethylene	1.2		ug/m ³	0.29	0.29	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
100-42-5	Styrene	ND		ug/m ³	0.74	0.74	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
115-07-1	* Propylene	ND		ug/m ³	0.30	0.30	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.85	0.85	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.5	1.5	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
95-47-6	o-Xylene	ND		ug/m ³	0.75	0.75	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
110-54-3	n-Hexane	0.67		ug/m ³	0.61	0.61	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.71	0.71	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
75-09-2	Methylene chloride	1.7		ug/m ³	1.2	1.2	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.63	0.63	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.71	0.71	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
67-63-0	Isopropanol	2.2		ug/m ³	0.85	0.85	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.9	1.9	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.75	0.75	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.3	1.3	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.60	0.60	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.79	0.79	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.69	0.69	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
74-87-3	Chloromethane	2.3		ug/m ³	0.36	0.36	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
67-66-3	Chloroform	ND		ug/m ³	0.85	0.85	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.46	0.46	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.27	0.27	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
75-15-0	Carbon disulfide	0.60		ug/m ³	0.54	0.54	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.67	0.67	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
75-25-2	Bromoform	ND		ug/m ³	1.8	1.8	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.1	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.90	0.90	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
71-43-2	Benzene	0.78		ug/m ³	0.56	0.56	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD



Sample Information

Client Sample ID: AQ102814:1300NP4-1

York Sample ID: 14J1173-01

York Project (SDG) No.
14J1173

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 28, 2014 1:00 pm

Date Received
10/29/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	11		ug/m ³	0.41	0.41	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.4	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
78-93-3	2-Butanone	2.1		ug/m ³	0.51	0.51	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.63	0.63	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.75	0.75	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.85	0.85	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.80	0.80	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.70	0.70	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.85	0.85	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.3	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.69	0.69	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.70	0.70	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.5		ug/m ³	0.98	0.98	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.95	0.95	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.3	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.95	0.95	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
75-71-8	Dichlorodifluoromethane	2.2		ug/m ³	0.86	0.86	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.3	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.4	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.71	0.71	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.80	0.80	1.738	EPA TO-15	11/03/2014 15:32	11/03/2014 19:45	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	99.0 %	72-118								

Sample Information

Client Sample ID: AQ102814:1305NP4-2

York Sample ID: 14J1173-02

York Project (SDG) No.
14J1173

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 28, 2014 1:05 pm

Date Received
10/29/2014



Sample Information

Client Sample ID: AQ102814:1305NP4-2

York Sample ID: 14J1173-02

York Project (SDG) No.
14J1173

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 28, 2014 1:05 pm

Date Received
10/29/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.12	0.12	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.66	0.66	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
79-01-6	Trichloroethylene	0.90		ug/m ³	0.25	0.25	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.85	0.85	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.74	0.74	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
108-88-3	Toluene	0.70		ug/m ³	0.70	0.70	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.55	0.55	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
127-18-4	Tetrachloroethylene	13		ug/m ³	0.32	0.32	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
100-42-5	Styrene	ND		ug/m ³	0.80	0.80	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
115-07-1	* Propylene	ND		ug/m ³	0.32	0.32	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.92	0.92	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.6	1.6	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
95-47-6	o-Xylene	ND		ug/m ³	0.81	0.81	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
110-54-3	n-Hexane	5.0		ug/m ³	0.66	0.66	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.77	0.77	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
75-09-2	Methylene chloride	5.7		ug/m ³	1.3	1.3	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	0.81		ug/m ³	0.67	0.67	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.76	0.76	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
67-63-0	Isopropanol	1.5		ug/m ³	0.92	0.92	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	2.0	2.0	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.81	0.81	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.3	1.3	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.64	0.64	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.85	0.85	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
156-59-2	cis-1,2-Dichloroethylene	3.8		ug/m ³	0.74	0.74	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
74-87-3	Chloromethane	3.3		ug/m ³	0.39	0.39	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
67-66-3	Chloroform	1.4		ug/m ³	0.91	0.91	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.49	0.49	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
56-23-5	Carbon tetrachloride	0.59		ug/m ³	0.29	0.29	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.58	0.58	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.72	0.72	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
75-25-2	Bromoform	ND		ug/m ³	1.9	1.9	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.2	1.2	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.97	0.97	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
71-43-2	Benzene	ND		ug/m ³	0.60	0.60	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
67-64-1	Acetone	7.9		ug/m ³	0.44	0.44	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	1.5	1.5	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD



Sample Information

Client Sample ID: AQ102814:1305NP4-2

York Sample ID: 14J1173-02

York Project (SDG) No.
14J1173

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 28, 2014 1:05 pm

Date Received
10/29/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	1.7		ug/m ³	0.55	0.55	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.67	0.67	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.81	0.81	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.92	0.92	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.3	1.3	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.86	0.86	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.76	0.76	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.92	0.92	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.4	1.4	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.74	0.74	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.76	0.76	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	2.4		ug/m ³	1.0	1.0	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.0	1.0	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	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	11/03/2014 15:32	11/03/2014 21:38	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.3	1.3	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
71-55-6	1,1,1-Trichloroethane	4.8		ug/m ³	1.0	1.0	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
75-71-8	Dichlorodifluoromethane	3.3		ug/m ³	0.92	0.92	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.4	1.4	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.5	1.5	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.76	0.76	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.86	0.86	1.867	EPA TO-15	11/03/2014 15:32	11/03/2014 21:38	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	99.5 %	72-118								

Sample Information

Client Sample ID: AQ102814:1310NP4-3

York Sample ID: 14J1173-03

York Project (SDG) No.
14J1173

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 28, 2014 1:10 pm

Date Received
10/29/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: AQ102814:1310NP4-3

York Sample ID: 14J1173-03

York Project (SDG) No.
14J1173

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 28, 2014 1:10 pm

Date Received
10/29/2014

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.11	0.11	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.62	0.62	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.24	0.24	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.80	0.80	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.70	0.70	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
108-88-3	Toluene	1.4		ug/m ³	0.67	0.67	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
109-99-9	* Tetrahydrofuran	0.94		ug/m ³	0.52	0.52	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
127-18-4	Tetrachloroethylene	0.84		ug/m ³	0.30	0.30	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
100-42-5	Styrene	ND		ug/m ³	0.75	0.75	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
115-07-1	* Propylene	ND		ug/m ³	0.30	0.30	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
622-96-8	* p-Ethyltoluene	3.4		ug/m ³	0.87	0.87	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
179601-23-1	p- & m- Xylenes	4.1		ug/m ³	1.5	1.5	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
95-47-6	o-Xylene	ND		ug/m ³	0.77	0.77	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
110-54-3	n-Hexane	ND		ug/m ³	0.62	0.62	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.72	0.72	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
75-09-2	Methylene chloride	1.2		ug/m ³	1.2	1.2	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.64	0.64	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.72	0.72	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
67-63-0	Isopropanol	ND		ug/m ³	0.87	0.87	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.9	1.9	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
100-41-4	Ethyl Benzene	1.5		ug/m ³	0.77	0.77	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.3	1.3	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.61	0.61	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.80	0.80	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
156-59-2	cis-1,2-Dichloroethylene	1.6		ug/m ³	0.70	0.70	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
74-87-3	Chloromethane	3.1		ug/m ³	0.37	0.37	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
67-66-3	Chloroform	1.6		ug/m ³	0.86	0.86	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
75-00-3	Chloroethane	0.75		ug/m ³	0.47	0.47	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.28	0.28	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.55	0.55	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.69	0.69	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
75-25-2	Bromoform	ND		ug/m ³	1.8	1.8	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.1	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.92	0.92	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
71-43-2	Benzene	ND		ug/m ³	0.56	0.56	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
67-64-1	Acetone	6.0		ug/m ³	0.42	0.42	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.4	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
78-93-3	2-Butanone	8.4		ug/m ³	0.52	0.52	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD



Sample Information

Client Sample ID: AQ102814:1310NP4-3

York Sample ID: 14J1173-03

York Project (SDG) No.
14J1173

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 28, 2014 1:10 pm

Date Received
10/29/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m ³	0.64	0.64	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.77	0.77	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
108-67-8	1,3,5-Trimethylbenzene	1.1		ug/m ³	0.87	0.87	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.82	0.82	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.72	0.72	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.1	1.1	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
95-63-6	1,2,4-Trimethylbenzene	4.2		ug/m ³	0.87	0.87	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.3	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.70	0.70	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
75-34-3	1,1-Dichloroethane	1.1		ug/m ³	0.72	0.72	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.8		ug/m ³	0.99	0.99	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.96	0.96	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	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	11/03/2014 15:32	11/03/2014 22:35	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
71-55-6	1,1,1-Trichloroethane	7.7		ug/m ³	0.96	0.96	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
75-71-8	Dichlorodifluoromethane	22		ug/m ³	0.87	0.87	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.4	1.4	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.4	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.72	0.72	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.81	0.81	1.768	EPA TO-15	11/03/2014 15:32	11/03/2014 22:35	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	99.7 %	72-118								



Analytical Batch Summary

Batch ID: BK40055

Preparation Method: EPA TO15 PREP

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
14J1173-01	AQ102814:1300NP4-1	11/03/14
14J1173-02	AQ102814:1305NP4-2	11/03/14
14J1173-03	AQ102814:1310NP4-3	11/03/14
BK40055-BLK1	Blank	11/03/14
BK40055-BS1	LCS	11/03/14
BK40055-DUP1	Duplicate	11/03/14



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 BK40055 - EPA TO15 PREP

Blank (BK40055-BLK1)

Prepared & Analyzed: 11/03/2014

Vinyl Chloride	ND	0.064	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 BK40055 - EPA TO15 PREP

Blank (BK40055-BLK1)

Prepared & Analyzed: 11/03/2014

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	"								

Surrogate: <i>p</i> -Bromofluorobenzene	9.28		ppbv	9.60		96.7	72-118				
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LCS (BK40055-BS1)

Prepared & Analyzed: 11/03/2014

Vinyl Chloride	11.0		ppbv	9.70		114	70-130				
Vinyl acetate	5.13		"	10.8		47.5	70-130	Low Bias			
Trichloroethylene	8.23		"	9.90		83.1	70-130				
trans-1,3-Dichloropropylene	9.67		"	10.9		88.7	70-130				
trans-1,2-Dichloroethylene	8.48		"	9.70		87.4	70-130				
Toluene	9.72		"	10.4		93.5	70-130				
Tetrahydrofuran	7.42		"	9.20		80.7	70-130				
Tetrachloroethylene	7.93		"	10.0		79.3	70-130				
Styrene	10.1		"	10.3		97.7	70-130				
Propylene	8.74		"	10.4		84.0	70-130				
p-Ethyltoluene	9.92		"	10.1		98.2	70-130				
p- & m- Xylenes	19.9		"	20.2		98.7	70-130				
o-Xylene	10.0		"	10.5		95.4	70-130				
n-Hexane	8.57		"	10.0		85.7	70-130				
n-Heptane	8.53		"	10.3		82.8	70-130				
Methylene chloride	8.36		"	9.90		84.4	70-130				
Methyl tert-butyl ether (MTBE)	8.46		"	9.80		86.3	70-130				
4-Methyl-2-pentanone	8.04		"	9.20		87.4	70-130				
Isopropanol	7.61		"	9.20		82.7	70-130				
Hexachlorobutadiene	8.70		"	9.90		87.9	70-130				
Ethyl Benzene	9.65		"	10.3		93.7	70-130				
Ethyl acetate	10.5		"	8.50		124	70-130				
Cyclohexane	8.67		"	10.1		85.8	70-130				
cis-1,3-Dichloropropylene	9.45		"	10.5		90.0	70-130				
cis-1,2-Dichloroethylene	9.37		"	10.3		91.0	70-130				
Chloromethane	12.0		"	9.70		124	70-130				
Chloroform	9.00		"	10.1		89.1	70-130				
Chloroethane	9.25		"	9.90		93.4	70-130				
Carbon tetrachloride	7.81		"	10.2		76.6	70-130				
Carbon disulfide	9.08		"	10.5		86.5	70-130				
Bromomethane	9.30		"	9.90		93.9	70-130				
Bromoform	9.43		"	10.1		93.4	70-130				
Bromodichloromethane	9.87		"	9.90		99.7	70-130				
Benzyl chloride	10.1		"	10.2		99.4	70-130				
Benzene	9.29		"	10.2		91.1	70-130				
Acetone	8.11		"	9.80		82.8	70-130				
2-Hexanone	7.84		"	9.30		84.3	70-130				
2-Butanone	8.31		"	9.40		88.4	70-130				
1,4-Dioxane	7.01		"	9.90		70.8	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 BK40055 - EPA TO15 PREP

LCS (BK40055-BS1)

Prepared & Analyzed: 11/03/2014

1,4-Dichlorobenzene	9.11		ppbv	10.2		89.3	70-130				
1,3-Dichlorobenzene	9.19		"	10.2		90.1	70-130				
1,3-Butadiene	12.6		"	10.1		125	70-130				
1,3,5-Trimethylbenzene	9.34		"	10.2		91.6	70-130				
1,2-Dichlorotetrafluoroethane	10.7		"	10.2		105	70-130				
1,2-Dichloropropane	9.76		"	10.3		94.8	70-130				
1,2-Dichloroethane	8.42		"	10.1		83.4	70-130				
1,2-Dichlorobenzene	9.03		"	10.1		89.4	70-130				
1,2,4-Trimethylbenzene	9.66		"	10.2		94.7	70-130				
1,2,4-Trichlorobenzene	9.73		"	9.60		101	70-130				
1,1-Dichloroethylene	8.72		"	10.0		87.2	70-130				
1,1-Dichloroethane	9.09		"	10.0		90.9	70-130				
Trichlorofluoromethane (Freon 11)	9.61		"	10.5		91.5	70-130				
1,1,2-Trichloroethane	9.80		"	10.3		95.1	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.80		"	9.70		90.7	70-130				
1,1,2,2-Tetrachloroethane	9.73		"	10.5		92.7	70-130				
1,1,1-Trichloroethane	8.50		"	9.90		85.9	70-130				
Dichlorodifluoromethane	8.35		"	10.0		83.5	70-130				
1,2-Dibromoethane	9.54		"	10.3		92.6	70-130				
Dibromochloromethane	9.96		"	10.3		96.7	70-130				
Methyl Methacrylate	9.20		"	9.50		96.8	70-130				
Chlorobenzene	9.13		"	10.4		87.8	70-130				
Surrogate: <i>p</i> -Bromofluorobenzene	9.75		"	9.60		102	72-118				

Duplicate (BK40055-DUP1)

*Source sample: 14J1173-01 (AQ102814:1300NP4-1)

Prepared & Analyzed: 11/03/2014

Vinyl Chloride	ND	0.11	ug/m ³		ND					25	
Vinyl acetate	ND	0.61	"		ND					25	
Trichloroethylene	ND	0.23	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.79	"		ND					25	
trans-1,2-Dichloroethylene	ND	0.69	"		ND					25	
Toluene	ND	0.65	"		ND					25	
Tetrahydrofuran	ND	0.51	"		ND					25	
Tetrachloroethylene	1.2	0.29	"		1.2				0.00	25	
Styrene	ND	0.74	"		ND					25	
Propylene	ND	0.30	"		ND					25	
p-Ethyltoluene	ND	0.85	"		ND					25	
p- & m- Xylenes	ND	1.5	"		ND					25	
o-Xylene	ND	0.75	"		ND					25	
n-Hexane	0.67	0.61	"		0.67				0.00	25	
n-Heptane	ND	0.71	"		ND					25	
Methylene chloride	1.6	1.2	"		1.7				3.64	25	
Methyl tert-butyl ether (MTBE)	ND	0.63	"		ND					25	
4-Methyl-2-pentanone	ND	0.71	"		ND					25	
Isopropanol	ND	0.85	"		2.2					25	
Hexachlorobutadiene	ND	1.9	"		ND					25	
Ethyl Benzene	ND	0.75	"		ND					25	
Ethyl acetate	ND	1.3	"		ND					25	
Cyclohexane	ND	0.60	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.79	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.69	"		ND					25	
Chloromethane	2.4	0.36	"		2.3				4.51	25	
Chloroform	ND	0.85	"		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 BK40055 - EPA TO15 PREP

Duplicate (BK40055-DUP1)		*Source sample: 14J1173-01 (AQ102814:1300NP4-1)					Prepared & Analyzed: 11/03/2014				
Chloroethane	ND	0.46	ug/m ³		ND					25	
Carbon tetrachloride	ND	0.27	"		ND					25	
Carbon disulfide	0.60	0.54	"		0.60				0.00	25	
Bromomethane	ND	0.67	"		ND					25	
Bromoform	ND	1.8	"		ND					25	
Bromodichloromethane	ND	1.1	"		ND					25	
Benzyl chloride	ND	0.90	"		ND					25	
Benzene	0.83	0.56	"		0.78				6.90	25	
Acetone	10	0.41	"		11				12.8	25	
2-Hexanone	ND	1.4	"		ND					25	
2-Butanone	2.2	0.51	"		2.1				4.76	25	
1,4-Dioxane	ND	0.63	"		ND					25	
1,4-Dichlorobenzene	ND	1.0	"		ND					25	
1,3-Dichlorobenzene	ND	1.0	"		ND					25	
1,3-Butadiene	ND	0.75	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.85	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.2	"		ND					25	
1,2-Dichloropropane	ND	0.80	"		ND					25	
1,2-Dichloroethane	ND	0.70	"		ND					25	
1,2-Dichlorobenzene	ND	1.0	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.85	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.3	"		ND					25	
1,1-Dichloroethylene	ND	0.69	"		ND					25	
1,1-Dichloroethane	ND	0.70	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.5	0.98	"		1.5				0.00	25	
1,1,2-Trichloroethane	ND	0.95	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.3	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.2	"		ND					25	
1,1,1-Trichloroethane	ND	0.95	"		ND					25	
Dichlorodifluoromethane	2.1	0.86	"		2.2				3.92	25	
1,2-Dibromoethane	ND	1.3	"		ND					25	
Dibromochloromethane	ND	1.4	"		ND					25	
Methyl Methacrylate	ND	0.71	"		ND					25	
Chlorobenzene	ND	0.80	"		ND					25	
Surrogate: <i>p</i> -Bromofluorobenzene	9.28		ppbv	9.60		96.7	72-118				



Notes and Definitions

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

*	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 - AIR**Page 1 of 1York Project No. 14J1173

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.

YOUR Information Company: <u>LBG</u> Address: <u>4 Research Dr, Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sando</u> E-Mail Address: <u>TSando@LBGCT.com</u>		Report To: Company: <u>Same</u> Address: <u>↓</u> Phone No. <u>↓</u> Attention: <u>↓</u> E-Mail Address: <u>↓</u>		Invoice To: Company: <u>Same</u> Address: <u>↓</u> Phone No. <u>↓</u> Attention: <u>↓</u> E-Mail Address: <u>↓</u>		YOUR Project ID <u>Rowe Industries</u> Purchase Order No. <u>HABSAG</u> Samples from: CT <u> </u> NY <u>X</u> NJ <u> </u>		Turn-Around Time RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day ☐ Standard(5-7 Days) ☒		Report Type/Deliverables Summary Report <u>X, pdf</u> Summary w/ QA Summary <u>X, pdf</u> CT RCP Package <u> </u> NY ASP A Package <u> </u> NY ASP B/CLP Pkg <u>X, pdf</u> NJDEP Reduced <u> </u> Electronic Deliverables: EDD (Specify Type) <u> </u> Standard Excel <u>X</u> Regulatory Comparison Excel <u> </u>	
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.				TO15 Volatiles and Other Gas Analyses EPA TO-15 List <u> </u> EPA TO-14A List <u> </u> NYSDEC VI list <u> </u> Tentatively Identified Compounds <u> </u> NYSDEC STARS List <u> </u> Air VPH <u> </u> Project Specific List by TO-15 Helium <u> </u> NJDEP Target List <u> </u> Methane <u> </u> CTDEP RCP Target List <u> </u> OTHER <u> </u>				Detection Limits Required <u>≤ 1 ug/m³</u> NYSDEC VI Limits <u> </u> (VI - vapor (adsorbent)) NJDEP low level <u> </u> Routine Survey <u> </u> Other <u> </u>		Special Instructions <u> </u>	
Air Matrix Codes AI - INDOOR Ambient Air AO - OUTDOOR Amb. Air AE - Vapor Extraction Well/ Process Gas/Effluent AS - SOIL Vapor/Sub-Slab		Samples Collected/Authorized By (Signature) <u>STEPHEN HUNT</u> Name (printed)									
Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below			Sampling Media			
<u>AQ102814-1300NP4-1</u>	<u>10/28/14 1300</u>	<u>AE</u>			<u>EPA TO-15 List</u>			6 Liter Summa canister <u> </u>			
<u>AQ102814-1305NP4-2</u>	<u>↓ 1305</u>	<u>AE</u>			<u>↓</u>			Tedlar Bag <u> </u>			
<u>AQ102814-1310NP4-3</u>	<u>↓ 1310</u>	<u>AE</u>			<u>↓</u>			6 Liter Summa canister <u> </u>			
								Tedlar Bag <u> </u>			
								6 Liter Summa canister <u> </u>			
								Tedlar Bag <u> </u>			
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								Tedlar Bag <u> </u>			
Comments					Samples Relinquished By <u>[Signature]</u> <u>10/28/14 945</u> Date/Time <u>[Signature]</u> <u>10/29/14 14:10</u> Date/Time			Samples Received By <u>LBG Field Room</u> <u>10/28/14 945</u> Date/Time <u>TC [Signature]</u> <u>10/29/14 14:10</u> Date/Time Samples Received in LAB by <u> </u>			