TABLE 2

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

Effluent Water Quality Results

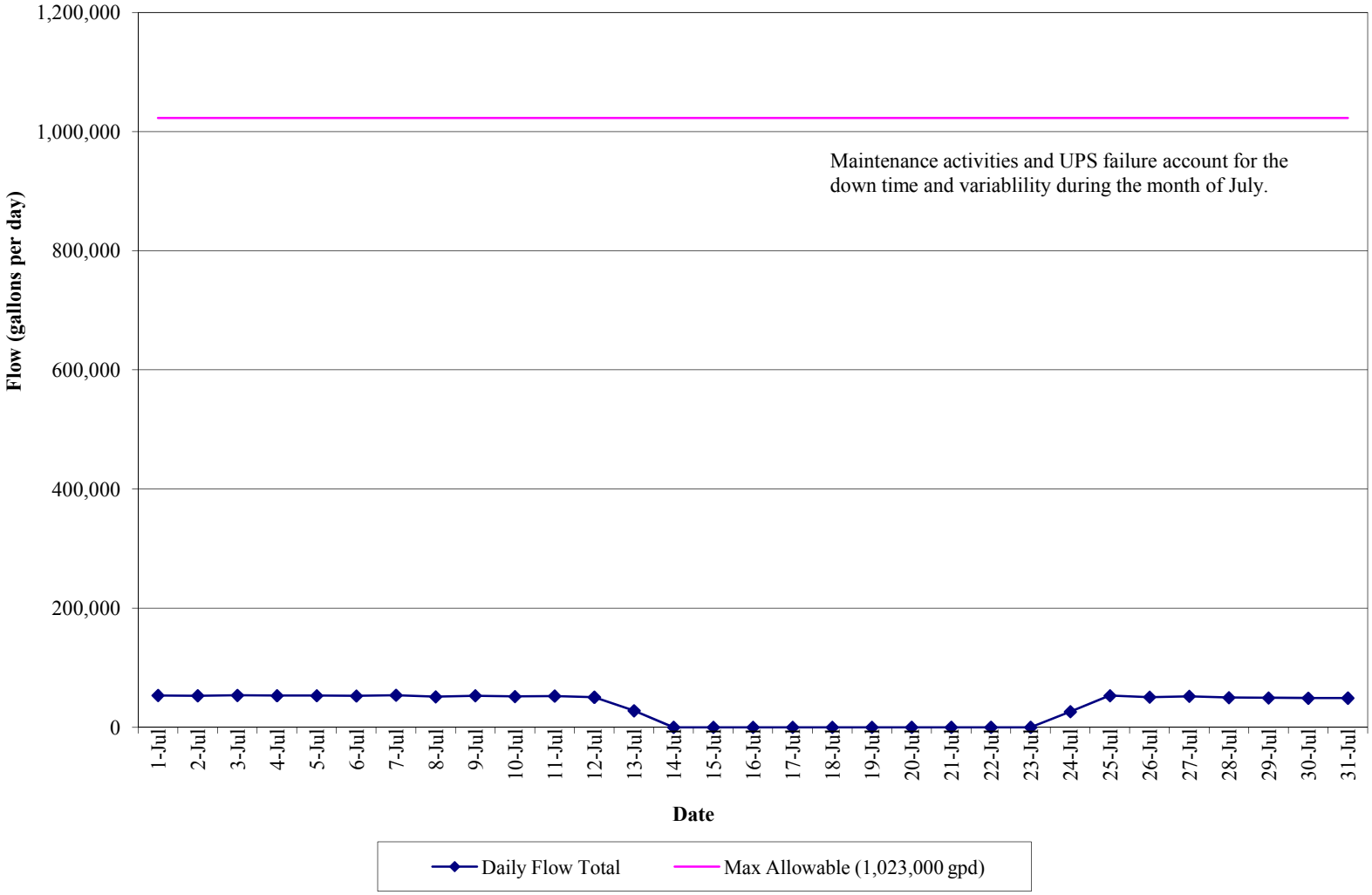
Date Sampled [2/]	pH [1/]	TDS (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis-1,2-DCE (ug/l)	trans-1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	**5.0 to 8.5**	**---**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**---**	**10**	**7**	**---**	**---**
1-Jul-14	7.7	110	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	1.08	0.081
24-Jul-14	7.2	79	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	7.59	0.047

SPDES: State Pollutant Discharge Elimination System
mg/l: Milligrams per liter
ug/l: Micrograms per liter
----: Not established
NM: Not Measured
TDS: Total dissolved solids
PCE: Tetrachloroethylene
1,1,1-TCA: 1,1,1-Trichloroethane
TCE: Trichloroethene
1,1-DCA: 1,1-Dichlorothane
1,1-DCE: 1,1-Dichloroethene
cis-1,2-DCE: cis-1,2-Dichloroethene
trans-1,2,-DCE: trans-1,2-Dichloroethene
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

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
(July 1, 2014 to July 31, 2014)



APPENDIX I
JULY 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: 07/09/2014
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 14G0142

Report Date: 07/09/2014
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 14G0142

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 July 02, 2014 and listed below. The project was identified as your project: **O&M Sag Harbor (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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14G0142-01	WQ070114:0900NP2-6	Water	07/01/2014	07/02/2014
14G0142-02	WQ070114:0905NP2-7	Water	07/01/2014	07/02/2014
14G0144-01	WQ070114:0910NP2-10	Water	07/01/2014	07/02/2014

General Notes for York Project (SDG) No.: 14G0142

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

Approved By: 

Date: 07/09/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ070114:0900NP2-6 **York Sample ID:** 14G0142-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0142	O&M Sag Harbor (Rowe Industries Site)	Water	July 1, 2014 9:00 am	07/02/2014

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	07/08/2014 08:45	07/08/2014 15:06	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS

Sample Information

Client Sample ID: WQ070114:0900NP2-6 **York Sample ID:** 14G0142-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0142	O&M Sag Harbor (Rowe Industries Site)	Water	July 1, 2014 9:00 am	07/02/2014

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	07/08/2014 08:45	07/08/2014 15:06	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
156-59-2	**cis-1,2-Dichloroethylene**	**1.6**		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
127-18-4	**Tetrachloroethylene**	**4.7**		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
79-01-6	**Trichloroethylene**	**0.60**		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:06	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*95.7 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*94.5 %*	*88-114*

Sample Information

Client Sample ID: WQ070114:0900NP2-6 **York Sample ID:** 14G0142-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0142	O&M Sag Harbor (Rowe Industries Site)	Water	July 1, 2014 9:00 am	07/02/2014

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**	**2.30**		mg/L	0.0146	0.0200	1	EPA 200.7	07/08/2014 12:37	07/08/2014 22:24	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**	**0.0420**		mg/L	0.0200	0.0200	1	EPA 6010C	07/08/2014 12:33	07/08/2014 21:11	MW

Sample Information

Client Sample ID: WQ070114:0905NP2-7 **York Sample ID:** 14G0142-02

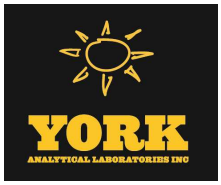
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0142	O&M Sag Harbor (Rowe Industries Site)	Water	July 1, 2014 9:05 am	07/02/2014

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	07/08/2014 08:45	07/08/2014 15:39	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS



Sample Information

Client Sample ID: WQ070114:0905NP2-7 **York Sample ID:** 14G0142-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0142	O&M Sag Harbor (Rowe Industries Site)	Water	July 1, 2014 9:05 am	07/02/2014

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	07/08/2014 08:45	07/08/2014 15:39	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS

Sample Information

Client Sample ID: WQ070114:0905NP2-7 **York Sample ID:** 14G0142-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0142	O&M Sag Harbor (Rowe Industries Site)	Water	July 1, 2014 9:05 am	07/02/2014

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	07/08/2014 08:45	07/08/2014 15:39	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	07/08/2014 08:45	07/08/2014 15:39	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*91.9 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*88-114*

Iron by EPA 200.7

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.687**		mg/L	0.0146	0.0200	1	EPA 200.7	07/08/2014 12:37	07/08/2014 22:42	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**	**0.103**		mg/L	0.0200	0.0200	1	EPA 6010C	07/08/2014 12:33	07/08/2014 21:16	MW

Sample Information

Client Sample ID: WQ070114:0910NP2-10 **York Sample ID:** 14G0144-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0144	O&M Sag Harbor (Rowe Industries Site)	Water	July 1, 2014 9:10 am	07/02/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: WQ070114:0910NP2-10 **York Sample ID:** 14G0144-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0144	O&M Sag Harbor (Rowe Industries Site)	Water	July 1, 2014 9:10 am	07/02/2014

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	07/08/2014 16:36	07/09/2014 08:34	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS

Sample Information

Client Sample ID: WQ070114:0910NP2-10 **York Sample ID:** 14G0144-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0144	O&M Sag Harbor (Rowe Industries Site)	Water	July 1, 2014 9:10 am	07/02/2014

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	07/08/2014 16:36	07/09/2014 08:34	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	07/08/2014 16:36	07/09/2014 08:34	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*94.5 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*88-114*

Sample Information

Client Sample ID: WQ070114:0910NP2-10 **York Sample ID:** 14G0144-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0144	O&M Sag Harbor (Rowe Industries Site)	Water	July 1, 2014 9:10 am	07/02/2014

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**	**1.08**		mg/L	0.0146	0.0200	1	EPA 200.7	07/08/2014 12:37	07/08/2014 22:46	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**	**0.0810**		mg/L	0.0200	0.0200	1	EPA 6010C	07/08/2014 12:33	07/08/2014 21:34	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	**110**		mg/L	10.0	10.0	1	SM 2540C	07/07/2014 14:41	07/08/2014 16:41	AA

Analytical Batch Summary

Batch ID: BG40236 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14G0144-01	WQ070114:0910NP2-10	07/07/14
BG40236-BLK1	Blank	07/07/14
BG40236-DUP1	Duplicate	07/07/14

Batch ID: BG40286 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14G0142-01	WQ070114:0900NP2-6	07/08/14
14G0142-02	WQ070114:0905NP2-7	07/08/14
14G0144-01	WQ070114:0910NP2-10	07/08/14
BG40286-BLK1	Blank	07/08/14
BG40286-DUP1	Duplicate	07/08/14
BG40286-MS1	Matrix Spike	07/08/14
BG40286-SRM1	Reference	07/08/14

Batch ID: BG40287 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14G0142-01	WQ070114:0900NP2-6	07/08/14
14G0142-02	WQ070114:0905NP2-7	07/08/14
14G0144-01	WQ070114:0910NP2-10	07/08/14
BG40287-BLK1	Blank	07/08/14
BG40287-DUP1	Duplicate	07/08/14
BG40287-MS1	Matrix Spike	07/08/14
BG40287-SRM1	Reference	07/08/14

Batch ID: BG40305 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14G0144-01	WQ070114:0910NP2-10	07/08/14
BG40305-BLK1	Blank	07/08/14
BG40305-BS1	LCS	07/08/14
BG40305-BSD1	LCS Dup	07/08/14

Batch ID: BG40308 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14G0142-01	WQ070114:0900NP2-6	07/08/14
14G0142-02	WQ070114:0905NP2-7	07/08/14
BG40308-BLK1	Blank	07/08/14
BG40308-BS1	LCS	07/08/14
BG40308-BSD1	LCS Dup	07/08/14

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 BG40305 - EPA 5030B											
Blank (BG40305-BLK1)											
Prepared: 07/08/2014 Analyzed: 07/09/2014											
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	0.42	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	2.0	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	0.29	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
Batch BG40305 - EPA 5030B											
Blank (BG40305-BLK1)								Prepared: 07/08/2014 Analyzed: 07/09/2014			
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	*10.2*		*"*	*10.0*		*102*	*81-123*				
Surrogate: p-Bromofluorobenzene	*9.77*		*"*	*10.0*		*97.7*	*70-128*				
Surrogate: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*88-114*				
LCS (BG40305-BS1)								Prepared & Analyzed: 07/08/2014			
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	85-118				
1,1,1-Trichloroethane	10.2		"	10.0		102	74-128				
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.81		"	10.0		98.1	51-157				
1,1,2-Trichloroethane	10.3		"	10.0		103	80-122				
1,1-Dichloroethane	9.80		"	10.0		98.0	70-131				
1,1-Dichloroethylene	9.66		"	10.0		96.6	60-143				
1,1-Dichloropropylene	10.3		"	10.0		103	78-122				
1,2,3-Trichlorobenzene	11.3		"	10.0		113	68-140				
1,2,3-Trichloropropane	10.1		"	10.0		101	77-125				
1,2,4-Trichlorobenzene	11.5		"	10.0		115	65-143				
1,2,4-Trimethylbenzene	11.7		"	10.0		117	83-121				
1,2-Dibromo-3-chloropropane	11.1		"	10.0		111	60-146				
1,2-Dibromoethane	10.6		"	10.0		106	82-122				
1,2-Dichlorobenzene	10.8		"	10.0		108	85-115				
1,2-Dichloroethane	9.05		"	10.0		90.5	72-126				
1,2-Dichloropropane	10.6		"	10.0		106	78-119				
1,3,5-Trimethylbenzene	11.5		"	10.0		115	84-118				
1,3-Dichlorobenzene	11.3		"	10.0		113	83-117				
1,3-Dichloropropane	10.6		"	10.0		106	79-121				
1,4-Dichlorobenzene	11.2		"	10.0		112	83-118				
2,2-Dichloropropane	8.42		"	10.0		84.2	60-135				
2-Chlorotoluene	11.6		"	10.0		116	81-118				
2-Hexanone	8.89		"	10.0		88.9	50-151				
4-Chlorotoluene	11.2		"	10.0		112	81-117				
Acetone	7.89		"	10.0		78.9	21-172				
Benzene	10.3		"	10.0		103	82-120				
Bromobenzene	11.1		"	10.0		111	82-119				
Bromochloromethane	9.27		"	10.0		92.7	69-125				
Bromodichloromethane	10.6		"	10.0		106	84-117				
Bromoform	10.6		"	10.0		106	77-130				
Bromomethane	10.4		"	10.0		104	16-162				
Carbon tetrachloride	10.4		"	10.0		104	72-132				
Chlorobenzene	10.9		"	10.0		109	88-112				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG40305 - EPA 5030B											
LCS (BG40305-BS1)								Prepared & Analyzed: 07/08/2014			
Chloroethane	9.41		ug/L	10.0		94.1	29-172				
Chloroform	9.94		"	10.0		99.4	77-124				
Chloromethane	9.79		"	10.0		97.9	37-131				
cis-1,2-Dichloroethylene	9.47		"	10.0		94.7	77-124				
cis-1,3-Dichloropropylene	10.8		"	10.0		108	81-117				
Dibromochloromethane	10.9		"	10.0		109	72-131				
Dibromomethane	10.7		"	10.0		107	85-116				
Dichlorodifluoromethane	7.27		"	10.0		72.7	47-152				
Ethyl Benzene	11.2		"	10.0		112	86-114				
Hexachlorobutadiene	12.0		"	10.0		120	68-139				
Isopropylbenzene	12.4		"	10.0		124	84-118	High Bias			
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	49-156				
Methylene chloride	8.03		"	10.0		80.3	51-145				
Naphthalene	11.4		"	10.0		114	67-141				
n-Butylbenzene	10.9		"	10.0		109	76-125				
n-Propylbenzene	11.7		"	10.0		117	84-118				
o-Xylene	11.0		"	10.0		110	85-114				
p- & m- Xylenes	22.3		"	20.0		112	84-117				
p-Isopropyltoluene	12.0		"	10.0		120	84-121				
sec-Butylbenzene	12.0		"	10.0		120	85-119	High Bias			
Styrene	8.46		"	10.0		84.6	77-126				
tert-Butylbenzene	12.1		"	10.0		121	83-119	High Bias			
Tetrachloroethylene	11.6		"	10.0		116	75-129				
Toluene	11.0		"	10.0		110	86-113				
trans-1,2-Dichloroethylene	9.72		"	10.0		97.2	55-148				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	77-120				
Trichloroethylene	11.2		"	10.0		112	85-115				
Trichlorofluoromethane	9.53		"	10.0		95.3	69-131				
Vinyl Chloride	9.58		"	10.0		95.8	44-152				
Surrogate: 1,2-Dichloroethane-d4	*8.79*		*"*	*10.0*		*87.9*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*70-128*				
Surrogate: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*88-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG40305 - EPA 5030B											
LCS Dup (BG40305-BSD1)							Prepared & Analyzed: 07/08/2014				
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	85-118		2.50	30	
1,1,1-Trichloroethane	9.88		"	10.0		98.8	74-128		3.38	30	
1,1,2,2-Tetrachloroethane	11.3		"	10.0		113	71-130		5.45	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.15		"	10.0		91.5	51-157		6.96	30	
1,1,2-Trichloroethane	10.5		"	10.0		105	80-122		1.82	30	
1,1-Dichloroethane	9.47		"	10.0		94.7	70-131		3.43	30	
1,1-Dichloroethylene	8.91		"	10.0		89.1	60-143		8.08	30	
1,1-Dichloropropylene	9.65		"	10.0		96.5	78-122		6.42	30	
1,2,3-Trichlorobenzene	11.8		"	10.0		118	68-140		4.66	30	
1,2,3-Trichloropropane	10.9		"	10.0		109	77-125		7.92	30	
1,2,4-Trichlorobenzene	11.6		"	10.0		116	65-143		1.38	30	
1,2,4-Trimethylbenzene	11.4		"	10.0		114	83-121		2.77	30	
1,2-Dibromo-3-chloropropane	8.74		"	10.0		87.4	60-146		24.1	30	
1,2-Dibromoethane	11.1		"	10.0		111	82-122		3.96	30	
1,2-Dichlorobenzene	10.8		"	10.0		108	85-115		0.279	30	
1,2-Dichloroethane	9.12		"	10.0		91.2	72-126		0.770	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-119		4.42	30	
1,3,5-Trimethylbenzene	11.1		"	10.0		111	84-118		3.90	30	
1,3-Dichlorobenzene	11.0		"	10.0		110	83-117		2.06	30	
1,3-Dichloropropane	10.9		"	10.0		109	79-121		3.16	30	
1,4-Dichlorobenzene	11.0		"	10.0		110	83-118		1.62	30	
2,2-Dichloropropane	8.04		"	10.0		80.4	60-135		4.62	30	
2-Chlorotoluene	11.2		"	10.0		112	81-118		3.95	30	
2-Hexanone	10.9		"	10.0		109	50-151		20.2	30	
4-Chlorotoluene	10.9		"	10.0		109	81-117		2.63	30	
Acetone	8.49		"	10.0		84.9	21-172		7.33	30	
Benzene	9.97		"	10.0		99.7	82-120		3.35	30	
Bromobenzene	11.2		"	10.0		112	82-119		1.17	30	
Bromochloromethane	9.29		"	10.0		92.9	69-125		0.216	30	
Bromodichloromethane	10.4		"	10.0		104	84-117		1.52	30	
Bromoform	11.0		"	10.0		110	77-130		3.43	30	
Bromomethane	9.75		"	10.0		97.5	16-162		6.16	30	
Carbon tetrachloride	9.76		"	10.0		97.6	72-132		6.45	30	
Chlorobenzene	10.6		"	10.0		106	88-112		2.97	30	
Chloroethane	8.73		"	10.0		87.3	29-172		7.50	30	
Chloroform	10.0		"	10.0		100	77-124		0.901	30	
Chloromethane	9.57		"	10.0		95.7	37-131		2.27	30	
cis-1,2-Dichloroethylene	9.35		"	10.0		93.5	77-124		1.28	30	
cis-1,3-Dichloropropylene	10.5		"	10.0		105	81-117		2.44	30	
Dibromochloromethane	11.0		"	10.0		110	72-131		1.46	30	
Dibromomethane	11.2		"	10.0		112	85-116		4.48	30	
Dichlorodifluoromethane	6.22		"	10.0		62.2	47-152		15.6	30	
Ethyl Benzene	10.6		"	10.0		106	86-114		4.77	30	
Hexachlorobutadiene	11.2		"	10.0		112	68-139		6.46	30	
Isopropylbenzene	11.8		"	10.0		118	84-118		5.54	30	
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	49-156		8.42	30	
Methylene chloride	8.14		"	10.0		81.4	51-145		1.36	30	
Naphthalene	12.1		"	10.0		121	67-141		5.95	30	
n-Butylbenzene	10.4		"	10.0		104	76-125		5.25	30	
n-Propylbenzene	11.0		"	10.0		110	84-118		5.91	30	
o-Xylene	10.6		"	10.0		106	85-114		3.51	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
Batch BG40305 - EPA 5030B											
LCS Dup (BG40305-BSD1)								Prepared & Analyzed: 07/08/2014			
p- & m- Xylenes	21.3		ug/L	20.0		107	84-117		4.54	30	
p-Isopropyltoluene	11.4		"	10.0		114	84-121		5.48	30	
sec-Butylbenzene	11.2		"	10.0		112	85-119		6.74	30	
Styrene	8.22		"	10.0		82.2	77-126		2.88	30	
tert-Butylbenzene	11.5		"	10.0		115	83-119		5.09	30	
Tetrachloroethylene	10.3		"	10.0		103	75-129		12.0	30	
Toluene	10.3		"	10.0		103	86-113		6.64	30	
trans-1,2-Dichloroethylene	9.42		"	10.0		94.2	55-148		3.13	30	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	77-120		2.98	30	
Trichloroethylene	10.4		"	10.0		104	85-115		7.15	30	
Trichlorofluoromethane	8.42		"	10.0		84.2	69-131		12.4	30	
Vinyl Chloride	8.66		"	10.0		86.6	44-152		10.1	30	
Surrogate: 1,2-Dichloroethane-d4	*8.81*		*"*	*10.0*		*88.1*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*70-128*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*88-114*				
Batch BG40308 - EPA 5030B											
Blank (BG40308-BLK1)								Prepared & Analyzed: 07/08/2014			
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	0.35	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	2.2	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								

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 BG40308 - EPA 5030B											
Blank (BG40308-BLK1)											
Prepared & Analyzed: 07/08/2014											
Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*9.92*		*"*	*10.0*		*99.2*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*70-128*				
Surrogate: Toluene-d8	*9.67*		*"*	*10.0*		*96.7*	*88-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG40308 - EPA 5030B											
LCS (BG40308-BS1)								Prepared & Analyzed: 07/08/2014			
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	85-118				
1,1,1-Trichloroethane	12.5		"	10.0		125	74-128				
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3		"	10.0		123	51-157				
1,1,2-Trichloroethane	10.6		"	10.0		106	80-122				
1,1-Dichloroethane	11.8		"	10.0		118	70-131				
1,1-Dichloroethylene	11.9		"	10.0		119	60-143				
1,1-Dichloropropylene	12.3		"	10.0		123	78-122	High Bias			
1,2,3-Trichlorobenzene	10.3		"	10.0		103	68-140				
1,2,3-Trichloropropane	10.2		"	10.0		102	77-125				
1,2,4-Trichlorobenzene	10.5		"	10.0		105	65-143				
1,2,4-Trimethylbenzene	11.0		"	10.0		110	83-121				
1,2-Dibromo-3-chloropropane	8.09		"	10.0		80.9	60-146				
1,2-Dibromoethane	11.0		"	10.0		110	82-122				
1,2-Dichlorobenzene	10.1		"	10.0		101	85-115				
1,2-Dichloroethane	11.2		"	10.0		112	72-126				
1,2-Dichloropropane	9.67		"	10.0		96.7	78-119				
1,3,5-Trimethylbenzene	10.7		"	10.0		107	84-118				
1,3-Dichlorobenzene	10.5		"	10.0		105	83-117				
1,3-Dichloropropane	10.8		"	10.0		108	79-121				
1,4-Dichlorobenzene	10.4		"	10.0		104	83-118				
2,2-Dichloropropane	12.0		"	10.0		120	60-135				
2-Chlorotoluene	10.8		"	10.0		108	81-118				
2-Hexanone	10.0		"	10.0		100	50-151				
4-Chlorotoluene	10.3		"	10.0		103	81-117				
Acetone	9.80		"	10.0		98.0	21-172				
Benzene	12.2		"	10.0		122	82-120	High Bias			
Bromobenzene	10.6		"	10.0		106	82-119				
Bromochloromethane	10.7		"	10.0		107	69-125				
Bromodichloromethane	10.8		"	10.0		108	84-117				
Bromoform	11.0		"	10.0		110	77-130				
Bromomethane	12.5		"	10.0		125	16-162				
Carbon tetrachloride	13.0		"	10.0		130	72-132				
Chlorobenzene	10.8		"	10.0		108	88-112				
Chloroethane	10.6		"	10.0		106	29-172				
Chloroform	11.9		"	10.0		119	77-124				
Chloromethane	12.3		"	10.0		123	37-131				
cis-1,2-Dichloroethylene	12.0		"	10.0		120	77-124				
cis-1,3-Dichloropropylene	10.8		"	10.0		108	81-117				
Dibromochloromethane	11.0		"	10.0		110	72-131				
Dibromomethane	10.4		"	10.0		104	85-116				
Dichlorodifluoromethane	9.67		"	10.0		96.7	47-152				
Ethyl Benzene	11.0		"	10.0		110	86-114				
Hexachlorobutadiene	10.8		"	10.0		108	68-139				
Isopropylbenzene	11.4		"	10.0		114	84-118				
Methyl tert-butyl ether (MTBE)	12.6		"	10.0		126	49-156				
Methylene chloride	9.76		"	10.0		97.6	51-145				
Naphthalene	10.7		"	10.0		107	67-141				
n-Butylbenzene	10.2		"	10.0		102	76-125				
n-Propylbenzene	10.8		"	10.0		108	84-118				
o-Xylene	10.9		"	10.0		109	85-114				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG40308 - EPA 5030B											
LCS (BG40308-BS1)							Prepared & Analyzed: 07/08/2014				
p- & m- Xylenes	22.0		ug/L	20.0		110	84-117				
p-Isopropyltoluene	11.0		"	10.0		110	84-121				
sec-Butylbenzene	11.1		"	10.0		111	85-119				
Styrene	8.41		"	10.0		84.1	77-126				
tert-Butylbenzene	11.2		"	10.0		112	83-119				
Tetrachloroethylene	11.2		"	10.0		112	75-129				
Toluene	10.8		"	10.0		108	86-113				
trans-1,2-Dichloroethylene	11.8		"	10.0		118	55-148				
trans-1,3-Dichloropropylene	11.0		"	10.0		110	77-120				
Trichloroethylene	10.9		"	10.0		109	85-115				
Trichlorofluoromethane	11.6		"	10.0		116	69-131				
Vinyl Chloride	12.1		"	10.0		121	44-152				
Surrogate: 1,2-Dichloroethane-d4	*9.85*		*"*	*10.0*		*98.5*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*70-128*				
Surrogate: Toluene-d8	*9.50*		*"*	*10.0*		*95.0*	*88-114*				
LCS Dup (BG40308-BSD1)							Prepared & Analyzed: 07/08/2014				
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	85-118		3.36	30	
1,1,1-Trichloroethane	11.6		"	10.0		116	74-128		7.28	30	
1,1,2,2-Tetrachloroethane	9.76		"	10.0		97.6	71-130		6.64	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0		113	51-157		8.67	30	
1,1,2-Trichloroethane	9.83		"	10.0		98.3	80-122		7.82	30	
1,1-Dichloroethane	11.2		"	10.0		112	70-131		5.64	30	
1,1-Dichloroethylene	10.9		"	10.0		109	60-143		8.84	30	
1,1-Dichloropropylene	11.4		"	10.0		114	78-122		8.11	30	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	68-140		0.683	30	
1,2,3-Trichloropropane	9.50		"	10.0		95.0	77-125		7.20	30	
1,2,4-Trichlorobenzene	10.4		"	10.0		104	65-143		1.53	30	
1,2,4-Trimethylbenzene	11.0		"	10.0		110	83-121		0.00	30	
1,2-Dibromo-3-chloropropane	7.44		"	10.0		74.4	60-146		8.37	30	
1,2-Dibromoethane	10.1		"	10.0		101	82-122		8.72	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	85-115		0.894	30	
1,2-Dichloroethane	9.96		"	10.0		99.6	72-126		12.1	30	
1,2-Dichloropropane	9.96		"	10.0		99.6	78-119		2.95	30	
1,3,5-Trimethylbenzene	10.9		"	10.0		109	84-118		1.57	30	
1,3-Dichlorobenzene	10.4		"	10.0		104	83-117		0.671	30	
1,3-Dichloropropane	9.92		"	10.0		99.2	79-121		8.31	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	83-118		1.06	30	
2,2-Dichloropropane	11.0		"	10.0		110	60-135		9.23	30	
2-Chlorotoluene	10.9		"	10.0		109	81-118		1.11	30	
2-Hexanone	7.86		"	10.0		78.6	50-151		24.3	30	
4-Chlorotoluene	10.4		"	10.0		104	81-117		1.25	30	
Acetone	7.73		"	10.0		77.3	21-172		23.6	30	
Benzene	11.1		"	10.0		111	82-120		8.93	30	
Bromobenzene	10.4		"	10.0		104	82-119		2.29	30	
Bromochloromethane	10.4		"	10.0		104	69-125		3.60	30	
Bromodichloromethane	9.96		"	10.0		99.6	84-117		8.37	30	
Bromoform	10.0		"	10.0		100	77-130		9.16	30	
Bromomethane	12.2		"	10.0		122	16-162		2.10	30	
Carbon tetrachloride	11.9		"	10.0		119	72-132		9.09	30	
Chlorobenzene	10.6		"	10.0		106	88-112		2.62	30	
Chloroethane	10.1		"	10.0		101	29-172		5.12	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
Batch BG40308 - EPA 5030B											
LCS Dup (BG40308-BSD1)								Prepared & Analyzed: 07/08/2014			
Chloroform	11.1		ug/L	10.0		111	77-124		6.76	30	
Chloromethane	11.2		"	10.0		112	37-131		9.51	30	
cis-1,2-Dichloroethylene	10.9		"	10.0		109	77-124		9.77	30	
cis-1,3-Dichloropropylene	10.3		"	10.0		103	81-117		4.85	30	
Dibromochloromethane	10.6		"	10.0		106	72-131		4.07	30	
Dibromomethane	9.69		"	10.0		96.9	85-116		7.55	30	
Dichlorodifluoromethane	8.22		"	10.0		82.2	47-152		16.2	30	
Ethyl Benzene	10.9		"	10.0		109	86-114		1.55	30	
Hexachlorobutadiene	11.0		"	10.0		110	68-139		1.65	30	
Isopropylbenzene	11.6		"	10.0		116	84-118		1.91	30	
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	49-156		15.0	30	
Methylene chloride	9.04		"	10.0		90.4	51-145		7.66	30	
Naphthalene	10.1		"	10.0		101	67-141		5.95	30	
n-Butylbenzene	10.4		"	10.0		104	76-125		1.46	30	
n-Propylbenzene	11.0		"	10.0		110	84-118		1.01	30	
o-Xylene	10.6		"	10.0		106	85-114		2.32	30	
p- & m- Xylenes	21.6		"	20.0		108	84-117		1.65	30	
p-Isopropyltoluene	11.2		"	10.0		112	84-121		1.89	30	
sec-Butylbenzene	11.2		"	10.0		112	85-119		1.17	30	
Styrene	8.02		"	10.0		80.2	77-126		4.75	30	
tert-Butylbenzene	11.2		"	10.0		112	83-119		0.893	30	
Tetrachloroethylene	11.1		"	10.0		111	75-129		1.16	30	
Toluene	10.7		"	10.0		107	86-113		0.465	30	
trans-1,2-Dichloroethylene	11.1		"	10.0		111	55-148		5.95	30	
trans-1,3-Dichloropropylene	10.0		"	10.0		100	77-120		9.60	30	
Trichloroethylene	10.7		"	10.0		107	85-115		2.04	30	
Trichlorofluoromethane	10.3		"	10.0		103	69-131		11.2	30	
Vinyl Chloride	11.0		"	10.0		110	44-152		9.79	30	
Surrogate: 1,2-Dichloroethane-d4	*8.70*		*"*	*10.0*		*87.0*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*70-128*				
Surrogate: Toluene-d8	*9.66*		*"*	*10.0*		*96.6*	*88-114*				

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 BG40286 - EPA 3010A											
Blank (BG40286-BLK1)								Prepared & Analyzed: 07/08/2014			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BG40286-DUP1)	*Source sample: 14G0144-01 (WQ070114:0910NP2-10)							Prepared & Analyzed: 07/08/2014			
Iron - Dissolved	0.0797	0.0200	mg/L		0.0810				1.59	20	
Matrix Spike (BG40286-MS1)	*Source sample: 14G0144-01 (WQ070114:0910NP2-10)							Prepared & Analyzed: 07/08/2014			
Iron - Dissolved	1.06	0.0200	mg/L	1.00	0.0810	98.0	75-125				
Reference (BG40286-SRM1)								Prepared & Analyzed: 07/08/2014			
Iron - Dissolved	0.312	0.0200	mg/L	0.322		96.8	87.3-115				
Batch BG40287 - EPA 3010A											
Blank (BG40287-BLK1)								Prepared & Analyzed: 07/08/2014			
Iron	ND	0.0200	mg/L								
Duplicate (BG40287-DUP1)	*Source sample: 14G0144-01 (WQ070114:0910NP2-10)							Prepared & Analyzed: 07/08/2014			
Iron	1.07	0.0200	mg/L		1.08				0.567	20	
Matrix Spike (BG40287-MS1)	*Source sample: 14G0144-01 (WQ070114:0910NP2-10)							Prepared & Analyzed: 07/08/2014			
Iron	2.06	0.0200	mg/L	1.00	1.08	98.3	75-125				
Reference (BG40287-SRM1)								Prepared & Analyzed: 07/08/2014			
Iron	0.311	0.0200	mg/L	0.322		96.5	87.3-115				

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
Batch BG40236 - % Solids Prep											
Blank (BG40236-BLK1)									Prepared: 07/07/2014 Analyzed: 07/08/2014		
Total Dissolved Solids	ND	10.0	mg/L								
Duplicate (BG40236-DUP1)	*Source sample: 14G0144-01 (WQ070114:0910NP2-10)								Prepared: 07/07/2014 Analyzed: 07/08/2014		
Total Dissolved Solids	118	10.0	mg/L		110				7.02	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14G0142-01	WQ070114:0900NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14G0142-02	WQ070114:0905NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14G0144-01	WQ070114:0910NP2-10	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.
M-DISS	The sample submitted for Dissolved Metals was not field filtered. The sample was filtered at the laboratory.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

---

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

YORK
ANALYTICAL LABORATORIES, INC.

120 Research Dr. Stratford, CT 06615
(203) 325-1371 Fax (203) 357-0166

Field Chain-of-Custody Record

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

York Project No. 146042

YOUR Information
Company: LBG
Address: 4 Research Dr, Suite 301
Shelton, CT 06484
Phone No. 203-929-8555
Contact Person: Tunde Sandor
E-Mail Address: TSandor@LBGCT.com

Report To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID
Rowe Industries.

Purchase Order No.
HABSA6.

Samples from: CT ___ NY X NJ ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐

Standard(5-7 Days) [X]

Report Type
Summary Report X, pdf
Summary w/ QA Summary X, pdf
CT RCP Package ___
CTRCP DQA/DUE Pkg ___
NY ASP A Package ___
NY ASP B Package NP2-400.xlsx, pdf.
NJDEP Red. Deliv. ___

Electronic Data Deliverables (EDD)
Simple Excel X
NYSDEC EQuIS ___
EQuIS (std) ___
EZ-EDD (EQuIS) ___
NJDEP SRP HazSite EDD ___
GIS/KEY (std) ___
Other ___
York Regulatory Comparison
Excel Spreadsheet ___
Compare to the following Regs. (please fill in):

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

Samples Collected/Authorized By (Signature)

STEPHEN HNAT
Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded for Disposal Reuse	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded for Use	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ070114:0900NP2-6	7/1/14 900	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus freon 113	3 VOA
WQ070114:0905NP2-7	905	GW		3 VOA
WQ070114:0910NP2-10	910	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260B) plus freon 113 / TDS (SM 2540C)	3 VOA

Comments

Preservation
Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Rob Good — 7/2/14 — Samples Relinquished By — Date/Time
Samples Relinquished By — Date/Time

Samples Received By — 7/2/14 1200 — Date/Time
Samples Received in LAB by — 7/2/14 1530 — Date/Time

Temperature Upon Receipt 3.9 °C

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

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

York Project No. 460144

YOUR Information
Company: LBG
Address: 4 Research Dr Suite 301 Shelton, CT 06484
Phone No. 203-929-8555
Contact Person: Tunde Sandor
E-Mail Address: TSandor@LBGLT.com

Report To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID
Rowe Industries.

Purchase Order No.
NABSAG.

Samples from: CT ___ NY X NJ ___

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 X, pdf
Summary w/ QA Summary X, pdf
CT RCP Package
CTRCP DQA/DUE Pkg
NY ASP A Package
NY ASP B Package NP2-10 only, pdf.
NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)
Simple Excel X
NYSDEC EQuIS
EQuIS (std)
EZ-EDD (EQuIS)
NJDEP SRP HazSite EDD
GIS/KEY (std)
Other
York Regulatory Comparison
Excel Spreadsheet
Compare to the following Regs. (please fill in):

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

Samples Collected/Authorized By (Signature)

STEPHEN HART
Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded Per Discharge Permit	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Index Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ070114:0900NP2-6	7/1/14 900	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus freon 113	3V 2P
WQ070114:0905NP2-7	905	GW	↓	3V 2P
WQ070114:0910NP2-10	910	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260B) plus freon 113 / TOS (SM 2540c)	3V 3P

Comments

Preservation
Check those Applicable
4°C ___ Frozen ___ HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Rob Good — Samples Relinquished By — 7/2/14 — Date/Time
Samples Relinquished By — Date/Time

Samples Received By — 7/2/14 1210 — Date/Time
TC Mahl — Samples Received in LAB by — 7/2/14 1530 — Date/Time

Temperature Upon Receipt 3.9 °C

Technical Report

prepared for:

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

Report Date: 08/04/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14G1094

Report Date: 08/04/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14G1094

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 July 28, 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14G1094-01	WQ072414:1400NP2-6	Water	07/24/2014	07/28/2014
14G1094-02	WQ072414:1405NP2-7	Water	07/24/2014	07/28/2014
14G1097-01	WQ072414:1410NP2-10	Water	07/24/2014	07/28/2014

General Notes for York Project (SDG) No.: 14G1094

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

Approved By: 

Date: 08/04/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ072414:1400NP2-6 **York Sample ID:** 14G1094-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1094	Rowe Industries	Water	July 24, 2014 2:00 pm	07/28/2014

Volatile Organics, 8260 List - Low Level **Log-in Notes:** M-DISS **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS

Sample Information

Client Sample ID: WQ072414:1400NP2-6 **York Sample ID:** 14G1094-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1094	Rowe Industries	Water	July 24, 2014 2:00 pm	07/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes: M-DISS **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
156-59-2	**cis-1,2-Dichloroethylene**	**1.5**		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
127-18-4	**Tetrachloroethylene**	**3.0**		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
79-01-6	**Trichloroethylene**	**0.52**		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:13	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*90.7 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*88-114*

Sample Information

Client Sample ID: WQ072414:1400NP2-6 **York Sample ID:** 14G1094-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1094	Rowe Industries	Water	July 24, 2014 2:00 pm	07/28/2014

Iron by EPA 200.7

Log-in Notes: M-DISS **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**	**12.7**		mg/L	0.0146	0.0200	1	EPA 200.7	07/29/2014 14:48	07/30/2014 00:12	MW

Iron, Dissolved by EPA 6010

Log-in Notes: M-DISS **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	07/29/2014 14:44	07/29/2014 22:58	MW

Sample Information

Client Sample ID: WQ072414:1405NP2-7 **York Sample ID:** 14G1094-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1094	Rowe Industries	Water	July 24, 2014 2:05 pm	07/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes: M-DISS **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS

Sample Information

Client Sample ID: WQ072414:1405NP2-7 **York Sample ID:** 14G1094-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1094	Rowe Industries	Water	July 24, 2014 2:05 pm	07/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes: M-DISS **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS

Sample Information

Client Sample ID: WQ072414:1405NP2-7 **York Sample ID:** 14G1094-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1094	Rowe Industries	Water	July 24, 2014 2:05 pm	07/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes: M-DISS **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	08/01/2014 07:48	08/01/2014 23:45	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*91.0 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.0 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*99.7 %*	*88-114*

Iron by EPA 200.7

Log-in Notes: M-DISS **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**	**7.25**		mg/L	0.0146	0.0200	1	EPA 200.7	07/29/2014 14:48	07/30/2014 00:16	MW

Iron, Dissolved by EPA 6010

Log-in Notes: M-DISS **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**	**0.0521**		mg/L	0.0200	0.0200	1	EPA 6010C	07/29/2014 14:44	07/29/2014 23:03	MW

Sample Information

Client Sample ID: WQ072414:1410NP2-10 **York Sample ID:** 14G1097-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1097	Rowe Industries	Water	July 24, 2014 2:10 pm	07/28/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: WQ072414:1410NP2-10 **York Sample ID:** 14G1097-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1097	Rowe Industries	Water	July 24, 2014 2:10 pm	07/28/2014

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	07/31/2014 08:04	07/31/2014 17:02	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK

Sample Information

Client Sample ID: WQ072414:1410NP2-10 **York Sample ID:** 14G1097-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1097	Rowe Industries	Water	July 24, 2014 2:10 pm	07/28/2014

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	07/31/2014 08:04	07/31/2014 17:02	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:02	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*115 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*98.0 %*	*88-114*

Sample Information

Client Sample ID: WQ072414:1410NP2-10 **York Sample ID:** 14G1097-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1097	Rowe Industries	Water	July 24, 2014 2:10 pm	07/28/2014

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**	**7.59**		mg/L	0.0146	0.0200	1	EPA 200.7	07/29/2014 14:48	07/30/2014 00:21	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**	**0.0473**		mg/L	0.0200	0.0200	1	EPA 6010C	07/29/2014 14:44	07/29/2014 23:08	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	**79.0**		mg/L	1.00	1.00	1	SM 2540C	07/31/2014 15:58	07/31/2014 15:58	ALD

Analytical Batch Summary

Batch ID: BG41429 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14G1094-01	WQ072414:1400NP2-6	07/29/14
14G1094-02	WQ072414:1405NP2-7	07/29/14
14G1097-01	WQ072414:1410NP2-10	07/29/14
BG41429-BLK1	Blank	07/29/14
BG41429-DUP1	Duplicate	07/29/14
BG41429-MS1	Matrix Spike	07/29/14
BG41429-SRM1	Reference	07/29/14

Batch ID: BG41430 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14G1094-01	WQ072414:1400NP2-6	07/29/14
14G1094-02	WQ072414:1405NP2-7	07/29/14
14G1097-01	WQ072414:1410NP2-10	07/29/14
BG41430-BLK1	Blank	07/29/14
BG41430-DUP1	Duplicate	07/29/14
BG41430-MS1	Matrix Spike	07/29/14
BG41430-SRM1	Reference	07/29/14

Batch ID: BG41552 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14G1097-01	WQ072414:1410NP2-10	07/31/14
BG41552-BLK1	Blank	07/31/14
BG41552-BS1	LCS	07/31/14
BG41552-BSD1	LCS Dup	07/31/14

Batch ID: BG41586 **Preparation Method:** % Solids Prep **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14G1097-01	WQ072414:1410NP2-10	07/31/14
BG41586-BLK1	Blank	07/31/14

Batch ID: BH40057 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14G1094-01	WQ072414:1400NP2-6	08/01/14
14G1094-02	WQ072414:1405NP2-7	08/01/14
BH40057-BLK1	Blank	08/01/14
BH40057-BS1	LCS	08/01/14
BH40057-BSD1	LCS Dup	08/01/14

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 BG41552 - EPA 5030B											
Blank (BG41552-BLK1)											Prepared & Analyzed: 07/31/2014
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

Batch BG41552 - EPA 5030B

Blank (BG41552-BLK1) Prepared & Analyzed: 07/31/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*11.1*		*"*	*10.0*		*111*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*70-128*				
Surrogate: Toluene-d8	*9.87*		*"*	*10.0*		*98.7*	*88-114*				

LCS (BG41552-BS1) Prepared & Analyzed: 07/31/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	85-118				
1,1,1-Trichloroethane	11.1		"	10.0		111	74-128				
1,1,2,2-Tetrachloroethane	9.45		"	10.0		94.5	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.02		"	10.0		80.2	51-157				
1,1,2-Trichloroethane	9.92		"	10.0		99.2	80-122				
1,1-Dichloroethane	9.40		"	10.0		94.0	70-131				
1,1-Dichloroethylene	7.39		"	10.0		73.9	60-143				
1,1-Dichloropropylene	9.76		"	10.0		97.6	78-122				
1,2,3-Trichlorobenzene	10.1		"	10.0		101	68-140				
1,2,3-Trichloropropane	10.4		"	10.0		104	77-125				
1,2,4-Trichlorobenzene	10.0		"	10.0		100	65-143				
1,2,4-Trimethylbenzene	9.84		"	10.0		98.4	83-121				
1,2-Dibromo-3-chloropropane	10.6		"	10.0		106	60-146				
1,2-Dibromoethane	10.6		"	10.0		106	82-122				
1,2-Dichlorobenzene	9.74		"	10.0		97.4	85-115				
1,2-Dichloroethane	10.9		"	10.0		109	72-126				
1,2-Dichloropropane	8.59		"	10.0		85.9	78-119				
1,3,5-Trimethylbenzene	9.70		"	10.0		97.0	84-118				
1,3-Dichlorobenzene	9.77		"	10.0		97.7	83-117				
1,3-Dichloropropane	9.56		"	10.0		95.6	79-121				
1,4-Dichlorobenzene	10.3		"	10.0		103	83-118				
2,2-Dichloropropane	11.0		"	10.0		110	60-135				
2-Chlorotoluene	9.53		"	10.0		95.3	81-118				
2-Hexanone	8.60		"	10.0		86.0	50-151				
4-Chlorotoluene	9.94		"	10.0		99.4	81-117				
Acetone	5.18		"	10.0		51.8	21-172				
Benzene	9.44		"	10.0		94.4	82-120				
Bromobenzene	8.61		"	10.0		86.1	82-119				
Bromochloromethane	10.0		"	10.0		100	69-125				
Bromodichloromethane	10.5		"	10.0		105	84-117				
Bromoform	11.4		"	10.0		114	77-130				
Bromomethane	6.91		"	10.0		69.1	16-162				
Carbon tetrachloride	11.4		"	10.0		114	72-132				
Chlorobenzene	9.86		"	10.0		98.6	88-112				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG41552 - EPA 5030B											
LCS (BG41552-BS1)								Prepared & Analyzed: 07/31/2014			
Chloroethane	5.51		ug/L	10.0		55.1	29-172				
Chloroform	10.7		"	10.0		107	77-124				
Chloromethane	6.06		"	10.0		60.6	37-131				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	77-124				
cis-1,3-Dichloropropylene	9.84		"	10.0		98.4	81-117				
Dibromochloromethane	11.1		"	10.0		111	72-131				
Dibromomethane	10.2		"	10.0		102	85-116				
Dichlorodifluoromethane	8.72		"	10.0		87.2	47-152				
Ethyl Benzene	9.41		"	10.0		94.1	86-114				
Hexachlorobutadiene	11.1		"	10.0		111	68-139				
Isopropylbenzene	9.58		"	10.0		95.8	84-118				
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	49-156				
Methylene chloride	8.67		"	10.0		86.7	51-145				
Naphthalene	9.91		"	10.0		99.1	67-141				
n-Butylbenzene	10.3		"	10.0		103	76-125				
n-Propylbenzene	9.31		"	10.0		93.1	84-118				
o-Xylene	9.68		"	10.0		96.8	85-114				
p- & m- Xylenes	19.1		"	20.0		95.4	84-117				
p-Isopropyltoluene	10.0		"	10.0		100	84-121				
sec-Butylbenzene	9.39		"	10.0		93.9	85-119				
Styrene	9.76		"	10.0		97.6	77-126				
tert-Butylbenzene	9.59		"	10.0		95.9	83-119				
Tetrachloroethylene	10.3		"	10.0		103	75-129				
Toluene	9.39		"	10.0		93.9	86-113				
trans-1,2-Dichloroethylene	9.35		"	10.0		93.5	55-148				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	77-120				
Trichloroethylene	9.94		"	10.0		99.4	85-115				
Trichlorofluoromethane	9.27		"	10.0		92.7	69-131				
Vinyl Chloride	5.83		"	10.0		58.3	44-152				
Surrogate: 1,2-Dichloroethane-d4	*11.3*		*"*	*10.0*		*113*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*70-128*				
Surrogate: Toluene-d8	*9.78*		*"*	*10.0*		*97.8*	*88-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG41552 - EPA 5030B											
LCS Dup (BG41552-BSD1)								Prepared & Analyzed: 07/31/2014			
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	85-118		1.47	30	
1,1,1-Trichloroethane	11.0		"	10.0		110	74-128		0.181	30	
1,1,2,2-Tetrachloroethane	9.54		"	10.0		95.4	71-130		0.948	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.22		"	10.0		82.2	51-157		2.46	30	
1,1,2-Trichloroethane	9.41		"	10.0		94.1	80-122		5.28	30	
1,1-Dichloroethane	9.58		"	10.0		95.8	70-131		1.90	30	
1,1-Dichloroethylene	7.62		"	10.0		76.2	60-143		3.06	30	
1,1-Dichloropropylene	9.86		"	10.0		98.6	78-122		1.02	30	
1,2,3-Trichlorobenzene	10.3		"	10.0		103	68-140		2.26	30	
1,2,3-Trichloropropane	10.1		"	10.0		101	77-125		2.63	30	
1,2,4-Trichlorobenzene	10.1		"	10.0		101	65-143		0.993	30	
1,2,4-Trimethylbenzene	9.98		"	10.0		99.8	83-121		1.41	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	60-146		3.66	30	
1,2-Dibromoethane	10.4		"	10.0		104	82-122		1.90	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	85-115		3.13	30	
1,2-Dichloroethane	10.6		"	10.0		106	72-126		3.07	30	
1,2-Dichloropropane	8.48		"	10.0		84.8	78-119		1.29	30	
1,3,5-Trimethylbenzene	9.96		"	10.0		99.6	84-118		2.64	30	
1,3-Dichlorobenzene	9.98		"	10.0		99.8	83-117		2.13	30	
1,3-Dichloropropane	9.43		"	10.0		94.3	79-121		1.37	30	
1,4-Dichlorobenzene	10.4		"	10.0		104	83-118		1.74	30	
2,2-Dichloropropane	10.9		"	10.0		109	60-135		0.729	30	
2-Chlorotoluene	9.70		"	10.0		97.0	81-118		1.77	30	
2-Hexanone	7.88		"	10.0		78.8	50-151		8.74	30	
4-Chlorotoluene	9.85		"	10.0		98.5	81-117		0.910	30	
Acetone	5.73		"	10.0		57.3	21-172		10.1	30	
Benzene	9.57		"	10.0		95.7	82-120		1.37	30	
Bromobenzene	9.10		"	10.0		91.0	82-119		5.53	30	
Bromochloromethane	8.54		"	10.0		85.4	69-125		16.0	30	
Bromodichloromethane	10.2		"	10.0		102	84-117		2.80	30	
Bromoform	11.4		"	10.0		114	77-130		0.439	30	
Bromomethane	6.85		"	10.0		68.5	16-162		0.872	30	
Carbon tetrachloride	11.6		"	10.0		116	72-132		1.56	30	
Chlorobenzene	9.70		"	10.0		97.0	88-112		1.64	30	
Chloroethane	5.68		"	10.0		56.8	29-172		3.04	30	
Chloroform	10.8		"	10.0		108	77-124		1.02	30	
Chloromethane	6.41		"	10.0		64.1	37-131		5.61	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	77-124		1.57	30	
cis-1,3-Dichloropropylene	9.59		"	10.0		95.9	81-117		2.57	30	
Dibromochloromethane	11.0		"	10.0		110	72-131		0.634	30	
Dibromomethane	9.98		"	10.0		99.8	85-116		1.89	30	
Dichlorodifluoromethane	8.59		"	10.0		85.9	47-152		1.50	30	
Ethyl Benzene	9.36		"	10.0		93.6	86-114		0.533	30	
Hexachlorobutadiene	11.1		"	10.0		111	68-139		0.00	30	
Isopropylbenzene	9.88		"	10.0		98.8	84-118		3.08	30	
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	49-156		1.05	30	
Methylene chloride	8.87		"	10.0		88.7	51-145		2.28	30	
Naphthalene	9.83		"	10.0		98.3	67-141		0.811	30	
n-Butylbenzene	10.4		"	10.0		104	76-125		1.16	30	
n-Propylbenzene	9.49		"	10.0		94.9	84-118		1.91	30	
o-Xylene	9.69		"	10.0		96.9	85-114		0.103	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

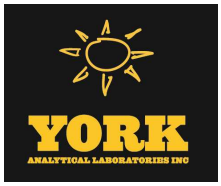
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG41552 - EPA 5030B											
LCS Dup (BG41552-BSD1)								Prepared & Analyzed: 07/31/2014			
p- & m- Xylenes	18.6		ug/L	20.0		93.2	84-117		2.28	30	
p-Isopropyltoluene	10.1		"	10.0		101	84-121		1.39	30	
sec-Butylbenzene	9.67		"	10.0		96.7	85-119		2.94	30	
Styrene	9.50		"	10.0		95.0	77-126		2.70	30	
tert-Butylbenzene	9.81		"	10.0		98.1	83-119		2.27	30	
Tetrachloroethylene	10.1		"	10.0		101	75-129		2.25	30	
Toluene	9.18		"	10.0		91.8	86-113		2.26	30	
trans-1,2-Dichloroethylene	9.58		"	10.0		95.8	55-148		2.43	30	
trans-1,3-Dichloropropylene	9.95		"	10.0		99.5	77-120		4.42	30	
Trichloroethylene	9.91		"	10.0		99.1	85-115		0.302	30	
Trichlorofluoromethane	9.39		"	10.0		93.9	69-131		1.29	30	
Vinyl Chloride	6.09		"	10.0		60.9	44-152		4.36	30	
Surrogate: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*70-128*				
Surrogate: Toluene-d8	*9.64*		*"*	*10.0*		*96.4*	*88-114*				
Batch BH40057 - EPA 5030B											
Blank (BH40057-BLK1)								Prepared & Analyzed: 08/01/2014			
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	1.1	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH40057 - EPA 5030B											
Blank (BH40057-BLK1)											Prepared & Analyzed: 08/01/2014
Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*9.89*		*"*	*10.0*		*98.9*	*81-123*				
Surrogate: p-Bromofluorobenzene	*9.96*		*"*	*10.0*		*99.6*	*70-128*				
Surrogate: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*88-114*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH40057 - EPA 5030B											
LCS (BH40057-BS1)								Prepared & Analyzed: 08/01/2014			
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	85-118				
1,1,1-Trichloroethane	10.4		"	10.0		104	74-128				
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	51-157				
1,1,2-Trichloroethane	9.62		"	10.0		96.2	80-122				
1,1-Dichloroethane	9.58		"	10.0		95.8	70-131				
1,1-Dichloroethylene	9.72		"	10.0		97.2	60-143				
1,1-Dichloropropylene	10.4		"	10.0		104	78-122				
1,2,3-Trichlorobenzene	11.4		"	10.0		114	68-140				
1,2,3-Trichloropropane	10.2		"	10.0		102	77-125				
1,2,4-Trichlorobenzene	11.5		"	10.0		115	65-143				
1,2,4-Trimethylbenzene	11.2		"	10.0		112	83-121				
1,2-Dibromo-3-chloropropane	8.28		"	10.0		82.8	60-146				
1,2-Dibromoethane	9.99		"	10.0		99.9	82-122				
1,2-Dichlorobenzene	10.5		"	10.0		105	85-115				
1,2-Dichloroethane	9.24		"	10.0		92.4	72-126				
1,2-Dichloropropane	9.48		"	10.0		94.8	78-119				
1,3,5-Trimethylbenzene	11.5		"	10.0		115	84-118				
1,3-Dichlorobenzene	10.9		"	10.0		109	83-117				
1,3-Dichloropropane	9.58		"	10.0		95.8	79-121				
1,4-Dichlorobenzene	10.7		"	10.0		107	83-118				
2,2-Dichloropropane	9.85		"	10.0		98.5	60-135				
2-Chlorotoluene	10.9		"	10.0		109	81-118				
2-Hexanone	10.1		"	10.0		101	50-151				
4-Chlorotoluene	10.7		"	10.0		107	81-117				
Acetone	7.19		"	10.0		71.9	21-172				
Benzene	10.0		"	10.0		100	82-120				
Bromobenzene	10.4		"	10.0		104	82-119				
Bromochloromethane	8.90		"	10.0		89.0	69-125				
Bromodichloromethane	9.84		"	10.0		98.4	84-117				
Bromoform	10.2		"	10.0		102	77-130				
Bromomethane	10.6		"	10.0		106	16-162				
Carbon tetrachloride	10.3		"	10.0		103	72-132				
Chlorobenzene	10.4		"	10.0		104	88-112				
Chloroethane	9.01		"	10.0		90.1	29-172				
Chloroform	9.87		"	10.0		98.7	77-124				
Chloromethane	7.06		"	10.0		70.6	37-131				
cis-1,2-Dichloroethylene	9.82		"	10.0		98.2	77-124				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	81-117				
Dibromochloromethane	10.3		"	10.0		103	72-131				
Dibromomethane	9.74		"	10.0		97.4	85-116				
Dichlorodifluoromethane	6.55		"	10.0		65.5	47-152				
Ethyl Benzene	10.8		"	10.0		108	86-114				
Hexachlorobutadiene	11.7		"	10.0		117	68-139				
Isopropylbenzene	12.0		"	10.0		120	84-118	High Bias			
Methyl tert-butyl ether (MTBE)	9.34		"	10.0		93.4	49-156				
Methylene chloride	13.0		"	10.0		130	51-145				
Naphthalene	11.5		"	10.0		115	67-141				
n-Butylbenzene	10.9		"	10.0		109	76-125				
n-Propylbenzene	11.3		"	10.0		113	84-118				
o-Xylene	10.7		"	10.0		107	85-114				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH40057 - EPA 5030B											
LCS (BH40057-BS1)							Prepared & Analyzed: 08/01/2014				
p- & m- Xylenes	21.4		ug/L	20.0		107	84-117				
p-Isopropyltoluene	11.7		"	10.0		117	84-121				
sec-Butylbenzene	11.7		"	10.0		117	85-119				
Styrene	10.6		"	10.0		106	77-126				
tert-Butylbenzene	11.8		"	10.0		118	83-119				
Tetrachloroethylene	10.9		"	10.0		109	75-129				
Toluene	10.3		"	10.0		103	86-113				
trans-1,2-Dichloroethylene	9.62		"	10.0		96.2	55-148				
trans-1,3-Dichloropropylene	10.0		"	10.0		100	77-120				
Trichloroethylene	10.6		"	10.0		106	85-115				
Trichlorofluoromethane	9.32		"	10.0		93.2	69-131				
Vinyl Chloride	8.09		"	10.0		80.9	44-152				
Surrogate: 1,2-Dichloroethane-d4	*9.46*		*"*	*10.0*		*94.6*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*70-128*				
Surrogate: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*88-114*				
LCS Dup (BH40057-BSD1)							Prepared & Analyzed: 08/01/2014				
1,1,1,2-Tetrachloroethane	9.83		ug/L	10.0		98.3	85-118		4.67	30	
1,1,1-Trichloroethane	9.03		"	10.0		90.3	74-128		13.7	30	
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	71-130		0.300	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.71		"	10.0		87.1	51-157		15.2	30	
1,1,2-Trichloroethane	9.57		"	10.0		95.7	80-122		0.521	30	
1,1-Dichloroethane	8.65		"	10.0		86.5	70-131		10.2	30	
1,1-Dichloroethylene	8.34		"	10.0		83.4	60-143		15.3	30	
1,1-Dichloropropylene	8.93		"	10.0		89.3	78-122		14.9	30	
1,2,3-Trichlorobenzene	11.2		"	10.0		112	68-140		1.59	30	
1,2,3-Trichloropropane	10.0		"	10.0		100	77-125		1.19	30	
1,2,4-Trichlorobenzene	11.3		"	10.0		113	65-143		1.31	30	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	83-121		3.17	30	
1,2-Dibromo-3-chloropropane	8.11		"	10.0		81.1	60-146		2.07	30	
1,2-Dibromoethane	9.96		"	10.0		99.6	82-122		0.301	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	85-115		2.61	30	
1,2-Dichloroethane	8.56		"	10.0		85.6	72-126		7.64	30	
1,2-Dichloropropane	9.13		"	10.0		91.3	78-119		3.76	30	
1,3,5-Trimethylbenzene	11.0		"	10.0		110	84-118		4.98	30	
1,3-Dichlorobenzene	10.7		"	10.0		107	83-117		1.76	30	
1,3-Dichloropropane	9.46		"	10.0		94.6	79-121		1.26	30	
1,4-Dichlorobenzene	10.5		"	10.0		105	83-118		1.42	30	
2,2-Dichloropropane	8.51		"	10.0		85.1	60-135		14.6	30	
2-Chlorotoluene	10.5		"	10.0		105	81-118		3.18	30	
2-Hexanone	10.1		"	10.0		101	50-151		0.197	30	
4-Chlorotoluene	10.5		"	10.0		105	81-117		2.08	30	
Acetone	7.43		"	10.0		74.3	21-172		3.28	30	
Benzene	9.01		"	10.0		90.1	82-120		10.9	30	
Bromobenzene	10.2		"	10.0		102	82-119		1.85	30	
Bromochloromethane	8.08		"	10.0		80.8	69-125		9.66	30	
Bromodichloromethane	9.55		"	10.0		95.5	84-117		2.99	30	
Bromoform	10.2		"	10.0		102	77-130		0.195	30	
Bromomethane	9.56		"	10.0		95.6	16-162		9.85	30	
Carbon tetrachloride	8.83		"	10.0		88.3	72-132		15.8	30	
Chlorobenzene	9.93		"	10.0		99.3	88-112		4.14	30	
Chloroethane	7.96		"	10.0		79.6	29-172		12.4	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
Batch BH40057 - EPA 5030B											
LCS Dup (BH40057-BSD1)								Prepared & Analyzed: 08/01/2014			
Chloroform	9.07		ug/L	10.0		90.7	77-124		8.45	30	
Chloromethane	6.19		"	10.0		61.9	37-131		13.1	30	
cis-1,2-Dichloroethylene	8.81		"	10.0		88.1	77-124		10.8	30	
cis-1,3-Dichloropropylene	10.1		"	10.0		101	81-117		3.60	30	
Dibromochloromethane	10.0		"	10.0		100	72-131		3.04	30	
Dibromomethane	9.97		"	10.0		99.7	85-116		2.33	30	
Dichlorodifluoromethane	5.37		"	10.0		53.7	47-152		19.8	30	
Ethyl Benzene	10.2		"	10.0		102	86-114		6.01	30	
Hexachlorobutadiene	10.9		"	10.0		109	68-139		7.01	30	
Isopropylbenzene	11.4		"	10.0		114	84-118		5.13	30	
Methyl tert-butyl ether (MTBE)	8.40		"	10.0		84.0	49-156		10.6	30	
Methylene chloride	12.2		"	10.0		122	51-145		6.68	30	
Naphthalene	11.6		"	10.0		116	67-141		0.520	30	
n-Butylbenzene	10.3		"	10.0		103	76-125		6.12	30	
n-Propylbenzene	10.7		"	10.0		107	84-118		5.08	30	
o-Xylene	10.1		"	10.0		101	85-114		5.48	30	
p- & m- Xylenes	20.2		"	20.0		101	84-117		5.58	30	
p-Isopropyltoluene	11.1		"	10.0		111	84-121		5.25	30	
sec-Butylbenzene	10.9		"	10.0		109	85-119		6.73	30	
Styrene	10.3		"	10.0		103	77-126		2.68	30	
tert-Butylbenzene	11.2		"	10.0		112	83-119		4.94	30	
Tetrachloroethylene	9.88		"	10.0		98.8	75-129		9.45	30	
Toluene	9.70		"	10.0		97.0	86-113		6.19	30	
trans-1,2-Dichloroethylene	8.49		"	10.0		84.9	55-148		12.5	30	
trans-1,3-Dichloropropylene	9.82		"	10.0		98.2	77-120		1.92	30	
Trichloroethylene	9.64		"	10.0		96.4	85-115		9.20	30	
Trichlorofluoromethane	8.05		"	10.0		80.5	69-131		14.6	30	
Vinyl Chloride	7.08		"	10.0		70.8	44-152		13.3	30	
Surrogate: 1,2-Dichloroethane-d4	*8.78*		*"*	*10.0*		*87.8*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*70-128*				
Surrogate: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*88-114*				

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 BG41429 - EPA 3010A											
Blank (BG41429-BLK1)								Prepared & Analyzed: 07/29/2014			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BG41429-DUP1)	*Source sample: 14G1097-01 (WQ072414:1410NP2-10)							Prepared & Analyzed: 07/29/2014			
Iron - Dissolved	0.0473	0.0200	mg/L		0.0473				0.0136	20	
Matrix Spike (BG41429-MS1)	*Source sample: 14G1097-01 (WQ072414:1410NP2-10)							Prepared & Analyzed: 07/29/2014			
Iron - Dissolved	1.09	0.0200	mg/L	1.00	0.0473	104	75-125				
Reference (BG41429-SRM1)								Prepared & Analyzed: 07/29/2014			
Iron - Dissolved	0.331	0.0200	mg/L	0.322		103	87.3-115				
Batch BG41430 - EPA 3010A											
Blank (BG41430-BLK1)								Prepared & Analyzed: 07/29/2014			
Iron	ND	0.0200	mg/L								
Duplicate (BG41430-DUP1)	*Source sample: 14G1097-01 (WQ072414:1410NP2-10)							Prepared: 07/29/2014 Analyzed: 07/30/2014			
Iron	7.43	0.0200	mg/L		7.59				2.18	20	
Matrix Spike (BG41430-MS1)	*Source sample: 14G1097-01 (WQ072414:1410NP2-10)							Prepared: 07/29/2014 Analyzed: 07/30/2014			
Iron	8.58	0.0200	mg/L	1.00	7.59	99.0	75-125				
Reference (BG41430-SRM1)								Prepared & Analyzed: 07/29/2014			
Iron	0.334	0.0200	mg/L	0.322		104	87.3-115				

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
Batch BG41586 - % Solids Prep											
Blank (BG41586-BLK1)											Prepared & Analyzed: 07/31/2014
Total Dissolved Solids	ND	1.00	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14G1094-01	WQ072414:1400NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14G1094-02	WQ072414:1405NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14G1097-01	WQ072414:1410NP2-10	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.
M-DISS	The sample submitted for Dissolved Metals was not field filtered. The sample was filtered at the laboratory.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

---

*	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

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. 14G1094

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: LBG	Company: Same	Company: Same	Rowe Industries.	RUSH - Same Day ☐	Summary Report X, pdf
Address: 4 Research Dr. Suite 301	Address:	Address:		RUSH - Next Day ☐	Summary w/ QA Summary X, pdf
Shelton, CT 06484			Purchase Order No.	RUSH - Two Day ☐	CT RCP Package
Phone No. 203-929-8555	Phone No.	Phone No.	HABSAG.	RUSH - Three Day ☐	CTRCP DQA/DUE Pkg
Contact Person: Tunde Sandor	Attention:	Attention:		RUSH - Four Day ☐	NY ASP A Package
E-Mail Address: TSandor@LBGCT.com	E-Mail Address:	E-Mail Address:	Samples from: CT__ NY X NJ__	Standard(5-7 Days) ☒	NY ASP B Package NP2-10 only, pdf.
					NJDEP Red. Deliv.

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

Samples Collected/Authorized By (Signature)

STEPHEN HNAT
Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Electronic Data Deliverables (EDD)
Simple Excel X
NYSDEC EQuIS
EQuIS (std)
EZ-EDD (EQuIS)
NJDEP SRP HazSite EDD
GIS/KEY (std)
Other
York Regulatory Comparison
Excel Spreadsheet
Compare to the following Regs. (please fill in):

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ072414:1400NP2-6	7/24/14 1400	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW845-8260B) plus freon 113	3/ 2e
WQ072414:1405NP2-7	↓ 1405	GW	↓	3✓ 2e
WQ072414:1410NP2-10	↓ 1410	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW845-8260B) plus freon 113 / TDS (SM 2540C)	3✓ 3e

Comments

Preservation Check those Applicable: 4°C___ Frozen___ HCl___ MeOH___ HNO3___ H2SO4___ NaOH___ ZnAc___ Ascorbic Acid___ Other___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
Mark M. [signature]	7/28/14 12:20	TC [signature]	7/28/14 12:20
Samples Relinquished By	Date/Time	Samples Received in LAB by: P. Grace	7-28-14 1610

Temperature on Receipt 4.7 °C

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

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

York Project No. 46109?

YOUR Information
Company: LBG
Address: 4 Research Dr Suite 301 Shelton, CT 06484
Phone No. 203-929-8555
Contact Person. Tonde Sandor
E-Mail Address: TSandor@LBGCT.com

Report To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address.

Invoice To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID
Rowe Industries.

Purchase Order No.
NABSAG

Samples from: CT ___ NY X NJ ___

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 X, pdf
Summary w/ QA Summary X, pdf
CT RCP Package ___
CTRCP DQA/DUE Pkg ___
NY ASP A Package ___
NY ASP B Package NP2-400alty, pdf.
NJDEP Red. Deliv. ___

Electronic Data Deliverables (EDD)
Simple Excel X
NYSDEC EQuIS ___
EQuIS (std) ___
EZ-EDD (EQuIS) ___
NJDEP SRP HazSite EDD ___
GIS/KEY (std) ___
Other ___
York Regulatory Comparison
Excel Spreadsheet ___
Compare to the following Regs. (please fill in):

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

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

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL+CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Special Full Scan	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Special Partial	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Index Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDECS-wtr	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ072414:1400NP2-6	7/24/14 1400	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus freon 113	3 v 2e
WQ072414:1405NP2-7	1405	GW		3 v 2e
WQ072414:1410NP2-10	1410	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260B) plus freon 113 / TOS (SM 2540 c.)	3 v 3e

Comments

Preservation
Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C ___ Frozen ___ HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc Ascorbic Acid Other

Samples Relinquished By: Mark M. Gallery 7/28/14 12:20 Date/Time
Samples Relinquished By: ___ Date/Time
Samples Received By: TC Fuller 7/28/14 12:20 Date/Time
Samples Received in LAB by: Place 7-28-14 1610 Date/Time

Temperature on Receipt 4.7 °C

JULY 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: 08/01/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14G1098

Report Date: 08/01/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14G1098

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 July 28, 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14G1098-01	WQ072414:1300NP1-1-2	Water	07/24/2014	07/28/2014

General Notes for York Project (SDG) No.: 14G1098

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

Approved By: 

Date: 08/01/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ072414:1300NP1-1-2 **York Sample ID:** 14G1098-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1098	Rowe Industries	Water	July 24, 2014 1:00 pm	07/28/2014

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	07/31/2014 08:04	07/31/2014 17:36	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK

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

Sample Information

Client Sample ID: WQ072414:1300NP1-1-2 **York Sample ID:** 14G1098-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1098	Rowe Industries	Water	July 24, 2014 1:00 pm	07/28/2014

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	07/31/2014 08:04	07/31/2014 17:36	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
156-59-2	**cis-1,2-Dichloroethylene**	**0.50**		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
127-18-4	**Tetrachloroethylene**	**0.87**		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
79-01-6	**Trichloroethylene**	**0.31**	J	ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	07/31/2014 08:04	07/31/2014 17:36	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*114 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.5 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*98.9 %*	*88-114*

Analytical Batch Summary

Batch ID: BG41552 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14G1098-01	WQ072414:1300NP1-1-2	07/31/14
BG41552-BLK1	Blank	07/31/14
BG41552-BS1	LCS	07/31/14
BG41552-BSD1	LCS Dup	07/31/14

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 BG41552 - EPA 5030B											
Blank (BG41552-BLK1)											Prepared & Analyzed: 07/31/2014
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
Batch BG41552 - EPA 5030B											
Blank (BG41552-BLK1)								Prepared & Analyzed: 07/31/2014			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*11.1*		*"*	*10.0*		*111*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*70-128*				
Surrogate: Toluene-d8	*9.87*		*"*	*10.0*		*98.7*	*88-114*				
LCS (BG41552-BS1)								Prepared & Analyzed: 07/31/2014			
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	85-118				
1,1,1-Trichloroethane	11.1		"	10.0		111	74-128				
1,1,2,2-Tetrachloroethane	9.45		"	10.0		94.5	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.02		"	10.0		80.2	51-157				
1,1,2-Trichloroethane	9.92		"	10.0		99.2	80-122				
1,1-Dichloroethane	9.40		"	10.0		94.0	70-131				
1,1-Dichloroethylene	7.39		"	10.0		73.9	60-143				
1,1-Dichloropropylene	9.76		"	10.0		97.6	78-122				
1,2,3-Trichlorobenzene	10.1		"	10.0		101	68-140				
1,2,3-Trichloropropane	10.4		"	10.0		104	77-125				
1,2,4-Trichlorobenzene	10.0		"	10.0		100	65-143				
1,2,4-Trimethylbenzene	9.84		"	10.0		98.4	83-121				
1,2-Dibromo-3-chloropropane	10.6		"	10.0		106	60-146				
1,2-Dibromoethane	10.6		"	10.0		106	82-122				
1,2-Dichlorobenzene	9.74		"	10.0		97.4	85-115				
1,2-Dichloroethane	10.9		"	10.0		109	72-126				
1,2-Dichloropropane	8.59		"	10.0		85.9	78-119				
1,3,5-Trimethylbenzene	9.70		"	10.0		97.0	84-118				
1,3-Dichlorobenzene	9.77		"	10.0		97.7	83-117				
1,3-Dichloropropane	9.56		"	10.0		95.6	79-121				
1,4-Dichlorobenzene	10.3		"	10.0		103	83-118				
2,2-Dichloropropane	11.0		"	10.0		110	60-135				
2-Chlorotoluene	9.53		"	10.0		95.3	81-118				
2-Hexanone	8.60		"	10.0		86.0	50-151				
4-Chlorotoluene	9.94		"	10.0		99.4	81-117				
Acetone	5.18		"	10.0		51.8	21-172				
Benzene	9.44		"	10.0		94.4	82-120				
Bromobenzene	8.61		"	10.0		86.1	82-119				
Bromochloromethane	10.0		"	10.0		100	69-125				
Bromodichloromethane	10.5		"	10.0		105	84-117				
Bromoform	11.4		"	10.0		114	77-130				
Bromomethane	6.91		"	10.0		69.1	16-162				
Carbon tetrachloride	11.4		"	10.0		114	72-132				
Chlorobenzene	9.86		"	10.0		98.6	88-112				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG41552 - EPA 5030B											
LCS (BG41552-BS1)								Prepared & Analyzed: 07/31/2014			
Chloroethane	5.51		ug/L	10.0		55.1	29-172				
Chloroform	10.7		"	10.0		107	77-124				
Chloromethane	6.06		"	10.0		60.6	37-131				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	77-124				
cis-1,3-Dichloropropylene	9.84		"	10.0		98.4	81-117				
Dibromochloromethane	11.1		"	10.0		111	72-131				
Dibromomethane	10.2		"	10.0		102	85-116				
Dichlorodifluoromethane	8.72		"	10.0		87.2	47-152				
Ethyl Benzene	9.41		"	10.0		94.1	86-114				
Hexachlorobutadiene	11.1		"	10.0		111	68-139				
Isopropylbenzene	9.58		"	10.0		95.8	84-118				
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	49-156				
Methylene chloride	8.67		"	10.0		86.7	51-145				
Naphthalene	9.91		"	10.0		99.1	67-141				
n-Butylbenzene	10.3		"	10.0		103	76-125				
n-Propylbenzene	9.31		"	10.0		93.1	84-118				
o-Xylene	9.68		"	10.0		96.8	85-114				
p- & m- Xylenes	19.1		"	20.0		95.4	84-117				
p-Isopropyltoluene	10.0		"	10.0		100	84-121				
sec-Butylbenzene	9.39		"	10.0		93.9	85-119				
Styrene	9.76		"	10.0		97.6	77-126				
tert-Butylbenzene	9.59		"	10.0		95.9	83-119				
Tetrachloroethylene	10.3		"	10.0		103	75-129				
Toluene	9.39		"	10.0		93.9	86-113				
trans-1,2-Dichloroethylene	9.35		"	10.0		93.5	55-148				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	77-120				
Trichloroethylene	9.94		"	10.0		99.4	85-115				
Trichlorofluoromethane	9.27		"	10.0		92.7	69-131				
Vinyl Chloride	5.83		"	10.0		58.3	44-152				
Surrogate: 1,2-Dichloroethane-d4	*11.3*		*"*	*10.0*		*113*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*70-128*				
Surrogate: Toluene-d8	*9.78*		*"*	*10.0*		*97.8*	*88-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG41552 - EPA 5030B											
LCS Dup (BG41552-BSD1)							Prepared & Analyzed: 07/31/2014				
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	85-118		1.47	30	
1,1,1-Trichloroethane	11.0		"	10.0		110	74-128		0.181	30	
1,1,2,2-Tetrachloroethane	9.54		"	10.0		95.4	71-130		0.948	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.22		"	10.0		82.2	51-157		2.46	30	
1,1,2-Trichloroethane	9.41		"	10.0		94.1	80-122		5.28	30	
1,1-Dichloroethane	9.58		"	10.0		95.8	70-131		1.90	30	
1,1-Dichloroethylene	7.62		"	10.0		76.2	60-143		3.06	30	
1,1-Dichloropropylene	9.86		"	10.0		98.6	78-122		1.02	30	
1,2,3-Trichlorobenzene	10.3		"	10.0		103	68-140		2.26	30	
1,2,3-Trichloropropane	10.1		"	10.0		101	77-125		2.63	30	
1,2,4-Trichlorobenzene	10.1		"	10.0		101	65-143		0.993	30	
1,2,4-Trimethylbenzene	9.98		"	10.0		99.8	83-121		1.41	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	60-146		3.66	30	
1,2-Dibromoethane	10.4		"	10.0		104	82-122		1.90	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	85-115		3.13	30	
1,2-Dichloroethane	10.6		"	10.0		106	72-126		3.07	30	
1,2-Dichloropropane	8.48		"	10.0		84.8	78-119		1.29	30	
1,3,5-Trimethylbenzene	9.96		"	10.0		99.6	84-118		2.64	30	
1,3-Dichlorobenzene	9.98		"	10.0		99.8	83-117		2.13	30	
1,3-Dichloropropane	9.43		"	10.0		94.3	79-121		1.37	30	
1,4-Dichlorobenzene	10.4		"	10.0		104	83-118		1.74	30	
2,2-Dichloropropane	10.9		"	10.0		109	60-135		0.729	30	
2-Chlorotoluene	9.70		"	10.0		97.0	81-118		1.77	30	
2-Hexanone	7.88		"	10.0		78.8	50-151		8.74	30	
4-Chlorotoluene	9.85		"	10.0		98.5	81-117		0.910	30	
Acetone	5.73		"	10.0		57.3	21-172		10.1	30	
Benzene	9.57		"	10.0		95.7	82-120		1.37	30	
Bromobenzene	9.10		"	10.0		91.0	82-119		5.53	30	
Bromochloromethane	8.54		"	10.0		85.4	69-125		16.0	30	
Bromodichloromethane	10.2		"	10.0		102	84-117		2.80	30	
Bromoform	11.4		"	10.0		114	77-130		0.439	30	
Bromomethane	6.85		"	10.0		68.5	16-162		0.872	30	
Carbon tetrachloride	11.6		"	10.0		116	72-132		1.56	30	
Chlorobenzene	9.70		"	10.0		97.0	88-112		1.64	30	
Chloroethane	5.68		"	10.0		56.8	29-172		3.04	30	
Chloroform	10.8		"	10.0		108	77-124		1.02	30	
Chloromethane	6.41		"	10.0		64.1	37-131		5.61	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	77-124		1.57	30	
cis-1,3-Dichloropropylene	9.59		"	10.0		95.9	81-117		2.57	30	
Dibromochloromethane	11.0		"	10.0		110	72-131		0.634	30	
Dibromomethane	9.98		"	10.0		99.8	85-116		1.89	30	
Dichlorodifluoromethane	8.59		"	10.0		85.9	47-152		1.50	30	
Ethyl Benzene	9.36		"	10.0		93.6	86-114		0.533	30	
Hexachlorobutadiene	11.1		"	10.0		111	68-139		0.00	30	
Isopropylbenzene	9.88		"	10.0		98.8	84-118		3.08	30	
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	49-156		1.05	30	
Methylene chloride	8.87		"	10.0		88.7	51-145		2.28	30	
Naphthalene	9.83		"	10.0		98.3	67-141		0.811	30	
n-Butylbenzene	10.4		"	10.0		104	76-125		1.16	30	
n-Propylbenzene	9.49		"	10.0		94.9	84-118		1.91	30	
o-Xylene	9.69		"	10.0		96.9	85-114		0.103	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
Batch BG41552 - EPA 5030B											
LCS Dup (BG41552-BSD1)								Prepared & Analyzed: 07/31/2014			
p- & m- Xylenes	18.6		ug/L	20.0		93.2	84-117		2.28	30	
p-Isopropyltoluene	10.1		"	10.0		101	84-121		1.39	30	
sec-Butylbenzene	9.67		"	10.0		96.7	85-119		2.94	30	
Styrene	9.50		"	10.0		95.0	77-126		2.70	30	
tert-Butylbenzene	9.81		"	10.0		98.1	83-119		2.27	30	
Tetrachloroethylene	10.1		"	10.0		101	75-129		2.25	30	
Toluene	9.18		"	10.0		91.8	86-113		2.26	30	
trans-1,2-Dichloroethylene	9.58		"	10.0		95.8	55-148		2.43	30	
trans-1,3-Dichloropropylene	9.95		"	10.0		99.5	77-120		4.42	30	
Trichloroethylene	9.91		"	10.0		99.1	85-115		0.302	30	
Trichlorofluoromethane	9.39		"	10.0		93.9	69-131		1.29	30	
Vinyl Chloride	6.09		"	10.0		60.9	44-152		4.36	30	
Surrogate: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*70-128*				
Surrogate: Toluene-d8	*9.64*		*"*	*10.0*		*96.4*	*88-114*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14G1098-01	WQ072414:1300NP1-1-2	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.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

---

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

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. 14G1098

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: LBG	Company: Same	Company: Same	Rowe Industries.	RUSH - Same Day ☐	Summary Report X, pdf
Address: 4 Research Dr, Suite 301 Shelton, CT 06484	Address:	Address:	**Purchase Order No.** NABSAG	RUSH - Next Day ☐	Summary w/ QA Summary X, pdf
Phone No. 203-929-8555	Phone No.	Phone No.	Samples from: CT ___ NY X NJ ___	RUSH - Two Day ☐	CT RCP Package
Contact Person: Tunde Sandor	Attention:	Attention:		RUSH - Three Day ☐	CTRCP DQA/DUE Pkg
E-Mail Address: TSandor@LBGCT.com	E-Mail Address:	E-Mail Address:		RUSH - Four Day ☐	NY ASP A Package
				Standard(5-7 Days) ☒	NY ASP B Package X, pdf
					NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)

Simple Excel X
NYSDEC EQuIS
EQuIS (std)
EZ-EDD (EQuIS)
NJDEP SRP HazSite EDD
GIS/KEY (std)
Other
York Regulatory Comparison
Excel Spreadsheet
Compare to the following Regs. (please fill in):

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

Samples Collected/Authorized By (Signature)

STEPHEN MNA
Name (printed)

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Co-Contaminants	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Extended Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Instv. Metals	Air TICs	NYCDEPSewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDECSewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ072414:1300NP1-1-2	7/24/14 1300	GW	VOC 8260 full list (EPA SW846-8260B) plus from 113	3v

Comments

Preservation
Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C ___ Frozen ___ HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Mark M. Goldberg 7/28/14 12:20
Samples Relinquished By Date/Time

TC [illegible] 7/28/14 12:20
Samples Received By Date/Time

Samples Relinquished By Date/Time

[illegible] 7-28-14 1610
Samples Received in LAB by Date/Time

Temperature on Receipt 4.3 °C

(RW & FRW)

Technical Report

prepared for:

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

Report Date: 08/01/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14G1099

Report Date: 08/01/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14G1099

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 July 28, 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14G1099-01	WQ072414:1310FRW1	Water	07/24/2014	07/28/2014
14G1099-02	WQ072414:1315FRW2	Water	07/24/2014	07/28/2014
14G1099-03	WQ072414:1320FRW3	Water	07/24/2014	07/28/2014
14G1099-04	WQ072414:1325FRW4	Water	07/24/2014	07/28/2014

General Notes for York Project (SDG) No.: 14G1099

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

Approved By: 

Date: 08/01/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ072414:1310FRW1 **York Sample ID:** 14G1099-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1099	Rowe Industries	Water	July 24, 2014 1:10 pm	07/28/2014

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	07/31/2014 08:04	07/31/2014 18:14	BK
71-55-6	**1,1,1-Trichloroethane**	**0.28**	J	ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK

Sample Information

Client Sample ID: WQ072414:1310FRW1 **York Sample ID:** 14G1099-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1099	Rowe Industries	Water	July 24, 2014 1:10 pm	07/28/2014

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	07/31/2014 08:04	07/31/2014 18:14	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
156-59-2	**cis-1,2-Dichloroethylene**	**18**		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
127-18-4	**Tetrachloroethylene**	**9.9**		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
79-01-6	**Trichloroethylene**	**0.63**		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:14	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*122 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.1 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*98.8 %*	*88-114*

Sample Information

Client Sample ID: WQ072414:1315FRW2 **York Sample ID:** 14G1099-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1099	Rowe Industries	Water	July 24, 2014 1:15 pm	07/28/2014

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	07/31/2014 08:04	07/31/2014 18:47	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK

Sample Information

Client Sample ID: WQ072414:1315FRW2 **York Sample ID:** 14G1099-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1099	Rowe Industries	Water	July 24, 2014 1:15 pm	07/28/2014

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	07/31/2014 08:04	07/31/2014 18:47	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
156-59-2	**cis-1,2-Dichloroethylene**	**5.6**		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
127-18-4	**Tetrachloroethylene**	**13**		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
79-01-6	**Trichloroethylene**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	07/31/2014 08:04	07/31/2014 18:47	BK

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

Sample Information

Client Sample ID: WQ072414:1320FRW3 **York Sample ID:** 14G1099-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1099	Rowe Industries	Water	July 24, 2014 1:20 pm	07/28/2014

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	07/31/2014 08:04	07/31/2014 19:22	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK

Sample Information

Client Sample ID: WQ072414:1320FRW3 **York Sample ID:** 14G1099-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1099	Rowe Industries	Water	July 24, 2014 1:20 pm	07/28/2014

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	07/31/2014 08:04	07/31/2014 19:22	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
156-59-2	**cis-1,2-Dichloroethylene**	**4.9**		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
98-82-8	**Isopropylbenzene**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
103-65-1	**n-Propylbenzene**	**0.69**		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
127-18-4	**Tetrachloroethylene**	**30**		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
79-01-6	**Trichloroethylene**	**3.3**		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	07/31/2014 08:04	07/31/2014 19:22	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*116 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.5 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*88-114*

Sample Information

Client Sample ID: WQ072414:1325FRW4 **York Sample ID:** 14G1099-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1099	Rowe Industries	Water	July 24, 2014 1:25 pm	07/28/2014

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	07/31/2014 08:04	07/31/2014 20:00	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK

Sample Information

Client Sample ID: WQ072414:1325FRW4 **York Sample ID:** 14G1099-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1099	Rowe Industries	Water	July 24, 2014 1:25 pm	07/28/2014

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	07/31/2014 08:04	07/31/2014 20:00	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
156-59-2	**cis-1,2-Dichloroethylene**	**6.0**		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
127-18-4	**Tetrachloroethylene**	**8.2**		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
79-01-6	**Trichloroethylene**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	07/31/2014 08:04	07/31/2014 20:00	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*119 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.2 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*88-114*

Analytical Batch Summary

Batch ID: BG41552 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14G1099-01	WQ072414:1310FRW1	07/31/14
14G1099-02	WQ072414:1315FRW2	07/31/14
14G1099-03	WQ072414:1320FRW3	07/31/14
14G1099-04	WQ072414:1325FRW4	07/31/14
BG41552-BLK1	Blank	07/31/14
BG41552-BS1	LCS	07/31/14
BG41552-BSD1	LCS Dup	07/31/14
BG41552-MS1	Matrix Spike	07/31/14
BG41552-MSD1	Matrix Spike Dup	07/31/14

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 BG41552 - EPA 5030B											
Blank (BG41552-BLK1)											Prepared & Analyzed: 07/31/2014
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
Batch BG41552 - EPA 5030B											
Blank (BG41552-BLK1)								Prepared & Analyzed: 07/31/2014			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*11.1*		*"*	*10.0*		*111*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*70-128*				
Surrogate: Toluene-d8	*9.87*		*"*	*10.0*		*98.7*	*88-114*				
LCS (BG41552-BS1)								Prepared & Analyzed: 07/31/2014			
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	85-118				
1,1,1-Trichloroethane	11.1		"	10.0		111	74-128				
1,1,2,2-Tetrachloroethane	9.45		"	10.0		94.5	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.02		"	10.0		80.2	51-157				
1,1,2-Trichloroethane	9.92		"	10.0		99.2	80-122				
1,1-Dichloroethane	9.40		"	10.0		94.0	70-131				
1,1-Dichloroethylene	7.39		"	10.0		73.9	60-143				
1,1-Dichloropropylene	9.76		"	10.0		97.6	78-122				
1,2,3-Trichlorobenzene	10.1		"	10.0		101	68-140				
1,2,3-Trichloropropane	10.4		"	10.0		104	77-125				
1,2,4-Trichlorobenzene	10.0		"	10.0		100	65-143				
1,2,4-Trimethylbenzene	9.84		"	10.0		98.4	83-121				
1,2-Dibromo-3-chloropropane	10.6		"	10.0		106	60-146				
1,2-Dibromoethane	10.6		"	10.0		106	82-122				
1,2-Dichlorobenzene	9.74		"	10.0		97.4	85-115				
1,2-Dichloroethane	10.9		"	10.0		109	72-126				
1,2-Dichloropropane	8.59		"	10.0		85.9	78-119				
1,3,5-Trimethylbenzene	9.70		"	10.0		97.0	84-118				
1,3-Dichlorobenzene	9.77		"	10.0		97.7	83-117				
1,3-Dichloropropane	9.56		"	10.0		95.6	79-121				
1,4-Dichlorobenzene	10.3		"	10.0		103	83-118				
2,2-Dichloropropane	11.0		"	10.0		110	60-135				
2-Chlorotoluene	9.53		"	10.0		95.3	81-118				
2-Hexanone	8.60		"	10.0		86.0	50-151				
4-Chlorotoluene	9.94		"	10.0		99.4	81-117				
Acetone	5.18		"	10.0		51.8	21-172				
Benzene	9.44		"	10.0		94.4	82-120				
Bromobenzene	8.61		"	10.0		86.1	82-119				
Bromochloromethane	10.0		"	10.0		100	69-125				
Bromodichloromethane	10.5		"	10.0		105	84-117				
Bromoform	11.4		"	10.0		114	77-130				
Bromomethane	6.91		"	10.0		69.1	16-162				
Carbon tetrachloride	11.4		"	10.0		114	72-132				
Chlorobenzene	9.86		"	10.0		98.6	88-112				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG41552 - EPA 5030B											
LCS (BG41552-BS1)							Prepared & Analyzed: 07/31/2014				
Chloroethane	5.51		ug/L	10.0		55.1	29-172				
Chloroform	10.7		"	10.0		107	77-124				
Chloromethane	6.06		"	10.0		60.6	37-131				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	77-124				
cis-1,3-Dichloropropylene	9.84		"	10.0		98.4	81-117				
Dibromochloromethane	11.1		"	10.0		111	72-131				
Dibromomethane	10.2		"	10.0		102	85-116				
Dichlorodifluoromethane	8.72		"	10.0		87.2	47-152				
Ethyl Benzene	9.41		"	10.0		94.1	86-114				
Hexachlorobutadiene	11.1		"	10.0		111	68-139				
Isopropylbenzene	9.58		"	10.0		95.8	84-118				
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	49-156				
Methylene chloride	8.67		"	10.0		86.7	51-145				
Naphthalene	9.91		"	10.0		99.1	67-141				
n-Butylbenzene	10.3		"	10.0		103	76-125				
n-Propylbenzene	9.31		"	10.0		93.1	84-118				
o-Xylene	9.68		"	10.0		96.8	85-114				
p- & m- Xylenes	19.1		"	20.0		95.4	84-117				
p-Isopropyltoluene	10.0		"	10.0		100	84-121				
sec-Butylbenzene	9.39		"	10.0		93.9	85-119				
Styrene	9.76		"	10.0		97.6	77-126				
tert-Butylbenzene	9.59		"	10.0		95.9	83-119				
Tetrachloroethylene	10.3		"	10.0		103	75-129				
Toluene	9.39		"	10.0		93.9	86-113				
trans-1,2-Dichloroethylene	9.35		"	10.0		93.5	55-148				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	77-120				
Trichloroethylene	9.94		"	10.0		99.4	85-115				
Trichlorofluoromethane	9.27		"	10.0		92.7	69-131				
Vinyl Chloride	5.83		"	10.0		58.3	44-152				
Surrogate: 1,2-Dichloroethane-d4	*11.3*		*"*	*10.0*		*113*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*70-128*				
Surrogate: Toluene-d8	*9.78*		*"*	*10.0*		*97.8*	*88-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG41552 - EPA 5030B											
LCS Dup (BG41552-BSD1)								Prepared & Analyzed: 07/31/2014			
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	85-118		1.47	30	
1,1,1-Trichloroethane	11.0		"	10.0		110	74-128		0.181	30	
1,1,2,2-Tetrachloroethane	9.54		"	10.0		95.4	71-130		0.948	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.22		"	10.0		82.2	51-157		2.46	30	
1,1,2-Trichloroethane	9.41		"	10.0		94.1	80-122		5.28	30	
1,1-Dichloroethane	9.58		"	10.0		95.8	70-131		1.90	30	
1,1-Dichloroethylene	7.62		"	10.0		76.2	60-143		3.06	30	
1,1-Dichloropropylene	9.86		"	10.0		98.6	78-122		1.02	30	
1,2,3-Trichlorobenzene	10.3		"	10.0		103	68-140		2.26	30	
1,2,3-Trichloropropane	10.1		"	10.0		101	77-125		2.63	30	
1,2,4-Trichlorobenzene	10.1		"	10.0		101	65-143		0.993	30	
1,2,4-Trimethylbenzene	9.98		"	10.0		99.8	83-121		1.41	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	60-146		3.66	30	
1,2-Dibromoethane	10.4		"	10.0		104	82-122		1.90	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	85-115		3.13	30	
1,2-Dichloroethane	10.6		"	10.0		106	72-126		3.07	30	
1,2-Dichloropropane	8.48		"	10.0		84.8	78-119		1.29	30	
1,3,5-Trimethylbenzene	9.96		"	10.0		99.6	84-118		2.64	30	
1,3-Dichlorobenzene	9.98		"	10.0		99.8	83-117		2.13	30	
1,3-Dichloropropane	9.43		"	10.0		94.3	79-121		1.37	30	
1,4-Dichlorobenzene	10.4		"	10.0		104	83-118		1.74	30	
2,2-Dichloropropane	10.9		"	10.0		109	60-135		0.729	30	
2-Chlorotoluene	9.70		"	10.0		97.0	81-118		1.77	30	
2-Hexanone	7.88		"	10.0		78.8	50-151		8.74	30	
4-Chlorotoluene	9.85		"	10.0		98.5	81-117		0.910	30	
Acetone	5.73		"	10.0		57.3	21-172		10.1	30	
Benzene	9.57		"	10.0		95.7	82-120		1.37	30	
Bromobenzene	9.10		"	10.0		91.0	82-119		5.53	30	
Bromochloromethane	8.54		"	10.0		85.4	69-125		16.0	30	
Bromodichloromethane	10.2		"	10.0		102	84-117		2.80	30	
Bromoform	11.4		"	10.0		114	77-130		0.439	30	
Bromomethane	6.85		"	10.0		68.5	16-162		0.872	30	
Carbon tetrachloride	11.6		"	10.0		116	72-132		1.56	30	
Chlorobenzene	9.70		"	10.0		97.0	88-112		1.64	30	
Chloroethane	5.68		"	10.0		56.8	29-172		3.04	30	
Chloroform	10.8		"	10.0		108	77-124		1.02	30	
Chloromethane	6.41		"	10.0		64.1	37-131		5.61	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	77-124		1.57	30	
cis-1,3-Dichloropropylene	9.59		"	10.0		95.9	81-117		2.57	30	
Dibromochloromethane	11.0		"	10.0		110	72-131		0.634	30	
Dibromomethane	9.98		"	10.0		99.8	85-116		1.89	30	
Dichlorodifluoromethane	8.59		"	10.0		85.9	47-152		1.50	30	
Ethyl Benzene	9.36		"	10.0		93.6	86-114		0.533	30	
Hexachlorobutadiene	11.1		"	10.0		111	68-139		0.00	30	
Isopropylbenzene	9.88		"	10.0		98.8	84-118		3.08	30	
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	49-156		1.05	30	
Methylene chloride	8.87		"	10.0		88.7	51-145		2.28	30	
Naphthalene	9.83		"	10.0		98.3	67-141		0.811	30	
n-Butylbenzene	10.4		"	10.0		104	76-125		1.16	30	
n-Propylbenzene	9.49		"	10.0		94.9	84-118		1.91	30	
o-Xylene	9.69		"	10.0		96.9	85-114		0.103	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
Batch BG41552 - EPA 5030B											
LCS Dup (BG41552-BSD1)								Prepared & Analyzed: 07/31/2014			
p- & m- Xylenes	18.6		ug/L	20.0		93.2	84-117		2.28	30	
p-Isopropyltoluene	10.1		"	10.0		101	84-121		1.39	30	
sec-Butylbenzene	9.67		"	10.0		96.7	85-119		2.94	30	
Styrene	9.50		"	10.0		95.0	77-126		2.70	30	
tert-Butylbenzene	9.81		"	10.0		98.1	83-119		2.27	30	
Tetrachloroethylene	10.1		"	10.0		101	75-129		2.25	30	
Toluene	9.18		"	10.0		91.8	86-113		2.26	30	
trans-1,2-Dichloroethylene	9.58		"	10.0		95.8	55-148		2.43	30	
trans-1,3-Dichloropropylene	9.95		"	10.0		99.5	77-120		4.42	30	
Trichloroethylene	9.91		"	10.0		99.1	85-115		0.302	30	
Trichlorofluoromethane	9.39		"	10.0		93.9	69-131		1.29	30	
Vinyl Chloride	6.09		"	10.0		60.9	44-152		4.36	30	
Surrogate: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*70-128*				
Surrogate: Toluene-d8	*9.64*		*"*	*10.0*		*96.4*	*88-114*				
Matrix Spike (BG41552-MS1)	*Source sample: 14G1099-01 (WQ072414:1310FRW1)							Prepared & Analyzed: 07/31/2014			
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0	ND	110	81-121				
1,1,1-Trichloroethane	12.9		"	10.0	0.280	126	71-121	High Bias			
1,1,2,2-Tetrachloroethane	10.2		"	10.0	ND	102	66-138				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.8		"	10.0	ND	128	29-167				
1,1,2-Trichloroethane	10.8		"	10.0	ND	108	74-130				
1,1-Dichloroethane	10.2		"	10.0	ND	102	66-128				
1,1-Dichloroethylene	8.40		"	10.0	ND	84.0	32-164				
1,1-Dichloropropylene	10.7		"	10.0	ND	107	69-121				
1,2,3-Trichlorobenzene	11.2		"	10.0	ND	112	58-137				
1,2,3-Trichloropropane	12.2		"	10.0	ND	122	69-129				
1,2,4-Trichlorobenzene	10.8		"	10.0	ND	108	52-138				
1,2,4-Trimethylbenzene	9.85		"	10.0	ND	98.5	63-131				
1,2-Dibromo-3-chloropropane	12.3		"	10.0	ND	123	47-152				
1,2-Dibromoethane	11.5		"	10.0	ND	115	80-123				
1,2-Dichlorobenzene	10.1		"	10.0	ND	101	76-120				
1,2-Dichloroethane	12.6		"	10.0	ND	126	67-124	High Bias			
1,2-Dichloropropane	8.76		"	10.0	ND	87.6	72-127				
1,3,5-Trimethylbenzene	9.21		"	10.0	ND	92.1	74-123				
1,3-Dichlorobenzene	9.80		"	10.0	ND	98.0	74-119				
1,3-Dichloropropane	10.2		"	10.0	ND	102	73-128				
1,4-Dichlorobenzene	10.1		"	10.0	ND	101	71-122				
2,2-Dichloropropane	10.2		"	10.0	ND	102	54-119				
2-Chlorotoluene	9.58		"	10.0	ND	95.8	65-134				
2-Hexanone	9.36		"	10.0	ND	93.6	42-151				
4-Chlorotoluene	9.78		"	10.0	ND	97.8	71-120				
Acetone	6.07		"	10.0	ND	60.7	27-123				
Benzene	10.1		"	10.0	ND	101	68-124				
Bromobenzene	8.96		"	10.0	ND	89.6	67-132				
Bromochloromethane	9.20		"	10.0	ND	92.0	60-130				
Bromodichloromethane	11.4		"	10.0	ND	114	78-123				
Bromoform	12.5		"	10.0	ND	125	75-127				
Bromomethane	7.14		"	10.0	ND	71.4	17-133				
Carbon tetrachloride	13.3		"	10.0	ND	133	73-119	High Bias			
Chlorobenzene	10.1		"	10.0	ND	101	83-115				
Chloroethane	5.70		"	10.0	ND	57.0	45-134				

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 BG41552 - EPA 5030B											
Matrix Spike (BG41552-MS1)	*Source sample: 14G1099-01 (WQ072414:1310FRW1)						Prepared & Analyzed: 07/31/2014				
Chloroform	11.8		ug/L	10.0	ND	118	74-121				
Chloromethane	4.77		"	10.0	ND	47.7	22-149				
cis-1,2-Dichloroethylene	29.6		"	10.0	18.3	113	72-121				
cis-1,3-Dichloropropylene	9.68		"	10.0	ND	96.8	67-123				
Dibromochloromethane	11.8		"	10.0	ND	118	84-120				
Dibromomethane	11.3		"	10.0	ND	113	80-118				
Dichlorodifluoromethane	10.5		"	10.0	ND	105	38-142				
Ethyl Benzene	9.61		"	10.0	ND	96.1	76-119				
Hexachlorobutadiene	10.7		"	10.0	ND	107	67-131				
Isopropylbenzene	9.76		"	10.0	ND	97.6	74-125				
Methyl tert-butyl ether (MTBE)	12.2		"	10.0	ND	122	51-138				
Methylene chloride	9.47		"	10.0	0.320	91.5	46-132				
Naphthalene	12.1		"	10.0	ND	121	46-141				
n-Butylbenzene	10.5		"	10.0	ND	105	62-133				
n-Propylbenzene	9.28		"	10.0	ND	92.8	62-131				
o-Xylene	9.85		"	10.0	ND	98.5	71-123				
p- & m- Xylenes	19.3		"	20.0	ND	96.7	74-120				
p-Isopropyltoluene	9.87		"	10.0	ND	98.7	74-125				
sec-Butylbenzene	9.54		"	10.0	ND	95.4	77-123				
Styrene	9.96		"	10.0	ND	99.6	72-121				
tert-Butylbenzene	9.80		"	10.0	ND	98.0	76-124				
Tetrachloroethylene	20.2		"	10.0	9.90	103	67-120				
Toluene	9.61		"	10.0	ND	96.1	80-119				
trans-1,2-Dichloroethylene	10.5		"	10.0	ND	105	53-137				
trans-1,3-Dichloropropylene	10.3		"	10.0	ND	103	65-124				
Trichloroethylene	11.3		"	10.0	0.630	106	81-116				
Trichlorofluoromethane	10.4		"	10.0	ND	104	53-132				
Vinyl Chloride	5.69		"	10.0	ND	56.9	38-135				
Surrogate: 1,2-Dichloroethane-d4	*12.6*		*"*	*10.0*		*126*	*81-123*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*70-128*				
Surrogate: Toluene-d8	*9.80*		*"*	*10.0*		*98.0*	*88-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BG41552 - EPA 5030B

Matrix Spike Dup (BG41552-MSD1) *Source sample: 14G1099-01 (WQ072414:1310FRW1) Prepared & Analyzed: 07/31/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0	ND	107	81-121		2.96	30	
1,1,1-Trichloroethane	12.4		"	10.0	0.280	121	71-121		4.03	30	
1,1,2,2-Tetrachloroethane	10.3		"	10.0	ND	103	66-138		1.76	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2		"	10.0	ND	122	29-167		5.52	30	
1,1,2-Trichloroethane	10.5		"	10.0	ND	105	74-130		2.91	30	
1,1-Dichloroethane	9.80		"	10.0	ND	98.0	66-128		4.00	30	
1,1-Dichloroethylene	7.94		"	10.0	ND	79.4	32-164		5.63	30	
1,1-Dichloropropylene	10.3		"	10.0	ND	103	69-121		4.29	30	
1,2,3-Trichlorobenzene	11.1		"	10.0	ND	111	58-137		1.70	30	
1,2,3-Trichloropropane	12.2		"	10.0	ND	122	69-129		0.492	30	
1,2,4-Trichlorobenzene	10.8		"	10.0	ND	108	52-138		0.556	30	
1,2,4-Trimethylbenzene	9.39		"	10.0	ND	93.9	63-131		4.78	30	
1,2-Dibromo-3-chloropropane	13.4		"	10.0	ND	134	47-152		8.95	30	
1,2-Dibromoethane	11.7		"	10.0	ND	117	80-123		2.24	30	
1,2-Dichlorobenzene	9.80		"	10.0	ND	98.0	76-120		2.72	30	
1,2-Dichloroethane	12.5		"	10.0	ND	125	67-124	High Bias	0.797	30	
1,2-Dichloropropane	8.21		"	10.0	ND	82.1	72-127		6.48	30	
1,3,5-Trimethylbenzene	8.72		"	10.0	ND	87.2	74-123		5.47	30	
1,3-Dichlorobenzene	9.52		"	10.0	ND	95.2	74-119		2.90	30	
1,3-Dichloropropane	10.1		"	10.0	ND	101	73-128		0.394	30	
1,4-Dichlorobenzene	9.97		"	10.0	ND	99.7	71-122		1.49	30	
2,2-Dichloropropane	9.69		"	10.0	ND	96.9	54-119		5.42	30	
2-Chlorotoluene	9.08		"	10.0	ND	90.8	65-134		5.36	30	
2-Hexanone	10.4		"	10.0	ND	104	42-151		10.7	30	
4-Chlorotoluene	9.41		"	10.0	ND	94.1	71-120		3.86	30	
Acetone	6.82		"	10.0	ND	68.2	27-123		11.6	30	
Benzene	9.58		"	10.0	ND	95.8	68-124		4.89	30	
Bromobenzene	8.70		"	10.0	ND	87.0	67-132		2.94	30	
Bromochloromethane	10.4		"	10.0	ND	104	60-130		12.4	30	
Bromodichloromethane	11.2		"	10.0	ND	112	78-123		1.68	30	
Bromoform	12.9		"	10.0	ND	129	75-127	High Bias	2.83	30	
Bromomethane	5.54		"	10.0	ND	55.4	17-133		25.2	30	
Carbon tetrachloride	12.8		"	10.0	ND	128	73-119	High Bias	3.98	30	
Chlorobenzene	9.79		"	10.0	ND	97.9	83-115		2.72	30	
Chloroethane	5.06		"	10.0	ND	50.6	45-134		11.9	30	
Chloroform	11.3		"	10.0	ND	113	74-121		4.07	30	
Chloromethane	4.46		"	10.0	ND	44.6	22-149		6.72	30	
cis-1,2-Dichloroethylene	28.3		"	10.0	18.3	100	72-121		4.49	30	
cis-1,3-Dichloropropylene	9.51		"	10.0	ND	95.1	67-123		1.77	30	
Dibromochloromethane	12.1		"	10.0	ND	121	84-120	High Bias	3.18	30	
Dibromomethane	10.9		"	10.0	ND	109	80-118		3.51	30	
Dichlorodifluoromethane	4.10		"	10.0	ND	41.0	38-142		87.7	30	Non-dir.
Ethyl Benzene	9.29		"	10.0	ND	92.9	76-119		3.39	30	
Hexachlorobutadiene	10.3		"	10.0	ND	103	67-131		3.34	30	
Isopropylbenzene	9.20		"	10.0	ND	92.0	74-125		5.91	30	
Methyl tert-butyl ether (MTBE)	12.3		"	10.0	ND	123	51-138		1.47	30	
Methylene chloride	9.01		"	10.0	0.320	86.9	46-132		4.98	30	
Naphthalene	12.3		"	10.0	ND	123	46-141		1.07	30	
n-Butylbenzene	9.79		"	10.0	ND	97.9	62-133		6.62	30	
n-Propylbenzene	8.68		"	10.0	ND	86.8	62-131		6.68	30	
o-Xylene	9.55		"	10.0	ND	95.5	71-123		3.09	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
Batch BG41552 - EPA 5030B											
Matrix Spike Dup (BG41552-MSD1)	*Source sample: 14G1099-01 (WQ072414:1310FRW1)							Prepared & Analyzed: 07/31/2014			
p- & m- Xylenes	18.5		ug/L	20.0	ND	92.4	74-120		4.55	30	
p-Isopropyltoluene	9.53		"	10.0	ND	95.3	74-125		3.51	30	
sec-Butylbenzene	9.00		"	10.0	ND	90.0	77-123		5.83	30	
Styrene	9.64		"	10.0	ND	96.4	72-121		3.27	30	
tert-Butylbenzene	9.26		"	10.0	ND	92.6	76-124		5.67	30	
Tetrachloroethylene	19.4		"	10.0	9.90	94.6	67-120		4.44	30	
Toluene	9.10		"	10.0	ND	91.0	80-119		5.45	30	
trans-1,2-Dichloroethylene	9.74		"	10.0	ND	97.4	53-137		7.13	30	
trans-1,3-Dichloropropylene	10.7		"	10.0	ND	107	65-124		4.09	30	
Trichloroethylene	10.6		"	10.0	0.630	100	81-116		5.84	30	
Trichlorofluoromethane	9.88		"	10.0	ND	98.8	53-132		5.03	30	
Vinyl Chloride	4.31		"	10.0	ND	43.1	38-135		27.6	30	
Surrogate: 1,2-Dichloroethane-d4	*12.8*		*"*	*10.0*		*128*	*81-123*				
Surrogate: p-Bromofluorobenzene	*9.96*		*"*	*10.0*		*99.6*	*70-128*				
Surrogate: Toluene-d8	*9.58*		*"*	*10.0*		*95.8*	*88-114*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14G1099-01	WQ072414:1310FRW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14G1099-02	WQ072414:1315FRW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14G1099-03	WQ072414:1320FRW3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14G1099-04	WQ072414:1325FRW4	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.

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

Field Chain-of-Custody Record

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

York Project No. 14G1099

YOUR Information
Company: LBG
Address: 4 Research Dr, Suit 301, Shelton, CT 06484
Phone No. 203-929-8555
Contact Person: Tunde Sandor
E-Mail Address: TSandor@LBGCT.com

Report To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID
Rowe Industries.

Purchase Order No.
NABSAG

Samples from: CT ___ NY X NJ ___

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 X, pdf
- Summary w/ QA Summary X, pdf
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package X, pdf
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)
- Simple Excel X
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other
- York Regulatory Comparison
- Excel Spreadsheet

Compare to the following Regs. (please fill in):

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

Samples Collected/Authorized By (Signature)

STEPHEN HNAT
Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded (w/o Dissolved Metals)	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Extended (Full List)	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv.Metals	Air TICs	NYCDEPSewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDECSewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ072414:1310FRW1	7/24/14 1310	GW	VOC 8260 full list (EPA SW846-8260B) plus freon 113	3 v.
WQ072414:1310FRW1MS	1310			
WQ072414:1310FRW1MSD	1310			
WQ072414:1315FRW2	1315			
WQ072414:1320FRW3	1320			
WQ072414:1325FRW4	1325			

Comments

Preservation Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C ___ Frozen ___ HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Mark M. Gedney 7/28/14 12:20
Samples Relinquished By Date/Time

TC Gabriel 7/28/14 12:20
Samples Received By Date/Time

Samples Relinquished By Date/Time

Grace 7-28-14 1610
Samples Received in LAB by Date/Time

Temperature on Receipt 4-3 °C

(RW & FRW)

APPENDIX III

JULY 2014 LABORATORY ANALYTICAL REPORTS FOR AIR SAMPLES

Technical Report

prepared for:

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

Report Date: 08/01/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14G1115

Report Date: 08/01/2014
Client Project ID: Rowe Industries
York Project (SDG) No.: 14G1115

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 July 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14G1115-01	AQ072414:1330NP4-1	Vapor Extraction	07/24/2014	07/29/2014
14G1115-02	AQ072414:1335NP4-2	Vapor Extraction	07/24/2014	07/29/2014
14G1115-03	AQ072414:1340NP4-3	Vapor Extraction	07/24/2014	07/29/2014

General Notes for York Project (SDG) No.: 14G1115

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

Approved By: 

Date: 08/01/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **AQ072414:1330NP4-1** **York Sample ID:** **14G1115-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1115	Rowe Industries	Vapor Extraction	July 24, 2014 1:30 pm	07/29/2014

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/m³	0.23	0.23	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.62	0.62	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
79-01-6	Trichloroethylene	ND		ug/m³	0.24	0.24	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.80	0.80	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.70	0.70	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
108-88-3	**Toluene**	**1.7**		ug/m³	0.67	0.67	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
109-99-9	*** Tetrahydrofuran**	**1.8**		ug/m³	0.52	0.52	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
127-18-4	**Tetrachloroethylene**	**6.2**		ug/m³	0.30	0.30	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
100-42-5	Styrene	ND		ug/m³	0.75	0.75	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
115-07-1	* Propylene	ND		ug/m³	0.30	0.30	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
622-96-8	*** p-Ethyltoluene**	**0.96**		ug/m³	0.87	0.87	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
179601-23-1	**p- & m- Xylenes**	**4.5**		ug/m³	1.5	1.5	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
95-47-6	**o-Xylene**	**1.1**		ug/m³	0.77	0.77	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
110-54-3	n-Hexane	ND		ug/m³	0.62	0.62	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
142-82-5	n-Heptane	ND		ug/m³	0.72	0.72	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
75-09-2	**Methylene chloride**	**2.5**		ug/m³	1.2	1.2	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.64	0.64	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.72	0.72	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
67-63-0	**Isopropanol**	**3.6**		ug/m³	0.87	0.87	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.9	1.9	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
100-41-4	Ethyl Benzene	ND		ug/m³	0.77	0.77	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	1.3	1.3	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
110-82-7	Cyclohexane	ND		ug/m³	0.61	0.61	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.80	0.80	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.70	0.70	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
74-87-3	**Chloromethane**	**1.6**		ug/m³	0.37	0.37	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
67-66-3	Chloroform	ND		ug/m³	0.86	0.86	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
75-00-3	Chloroethane	ND		ug/m³	0.47	0.47	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
56-23-5	**Carbon tetrachloride**	**0.44**		ug/m³	0.28	0.28	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
75-15-0	Carbon disulfide	ND		ug/m³	0.55	0.55	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
74-83-9	Bromomethane	ND		ug/m³	0.69	0.69	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
75-25-2	Bromoform	ND		ug/m³	1.8	1.8	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.1	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.92	0.92	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
71-43-2	Benzene	ND		ug/m³	0.56	0.56	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD

Sample Information

Client Sample ID: AQ072414:1330NP4-1 **York Sample ID:** 14G1115-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1115	Rowe Industries	Vapor Extraction	July 24, 2014 1:30 pm	07/29/2014

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/m³	0.42	0.42	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	1.4	1.4	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
78-93-3	**2-Butanone**	**3.8**		ug/m³	0.52	0.52	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	0.64	0.64	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.77	0.77	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.87	0.87	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.2	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.82	0.82	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.72	0.72	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.87	0.87	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.3	1.3	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.70	0.70	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.72	0.72	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.3**		ug/m³	0.99	0.99	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.96	0.96	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.4	1.4	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.2	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.96	0.96	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
75-71-8	**Dichlorodifluoromethane**	**1.8**		ug/m³	0.87	0.87	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.4	1.4	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.4	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.72	0.72	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.81	0.81	1.768	EPA TO-15	07/31/2014 06:29	07/31/2014 16:37	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.6 %*	*72-118*

Sample Information

Client Sample ID: AQ072414:1335NP4-2 **York Sample ID:** 14G1115-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1115	Rowe Industries	Vapor Extraction	July 24, 2014 1:35 pm	07/29/2014

Sample Information

Client Sample ID: AQ072414:1335NP4-2 **York Sample ID:** 14G1115-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1115	Rowe Industries	Vapor Extraction	July 24, 2014 1:35 pm	07/29/2014

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/m³	0.23	0.23	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.63	0.63	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
79-01-6	**Trichloroethylene**	**1.8**		ug/m³	0.24	0.24	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.82	0.82	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.71	0.71	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
108-88-3	Toluene	ND		ug/m³	0.68	0.68	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.53	0.53	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
127-18-4	**Tetrachloroethylene**	**26**		ug/m³	0.31	0.31	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
100-42-5	Styrene	ND		ug/m³	0.77	0.77	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
115-07-1	* Propylene	ND		ug/m³	0.31	0.31	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.88	0.88	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
179601-23-1	**p- & m- Xylenes**	**1.7**		ug/m³	1.6	1.6	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
95-47-6	**o-Xylene**	**1.1**		ug/m³	0.78	0.78	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
110-54-3	n-Hexane	ND		ug/m³	0.63	0.63	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
142-82-5	n-Heptane	ND		ug/m³	0.74	0.74	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
75-09-2	Methylene chloride	ND		ug/m³	1.3	1.3	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**1.7**		ug/m³	0.65	0.65	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.74	0.74	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
67-63-0	**Isopropanol**	**1.2**		ug/m³	0.88	0.88	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.9	1.9	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
100-41-4	Ethyl Benzene	ND		ug/m³	0.78	0.78	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	1.3	1.3	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
110-82-7	Cyclohexane	ND		ug/m³	0.62	0.62	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.82	0.82	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
156-59-2	**cis-1,2-Dichloroethylene**	**4.9**		ug/m³	0.71	0.71	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
74-87-3	**Chloromethane**	**1.8**		ug/m³	0.37	0.37	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
67-66-3	**Chloroform**	**2.1**		ug/m³	0.88	0.88	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
75-00-3	Chloroethane	ND		ug/m³	0.47	0.47	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
56-23-5	**Carbon tetrachloride**	**1.2**		ug/m³	0.28	0.28	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
75-15-0	Carbon disulfide	ND		ug/m³	0.56	0.56	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
74-83-9	Bromomethane	ND		ug/m³	0.70	0.70	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
75-25-2	Bromoform	ND		ug/m³	1.9	1.9	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.1	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.93	0.93	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
71-43-2	Benzene	ND		ug/m³	0.58	0.58	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
67-64-1	**Acetone**	**10**		ug/m³	0.43	0.43	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	1.5	1.5	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD

Sample Information

Client Sample ID: AQ072414:1335NP4-2 **York Sample ID:** 14G1115-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1115	Rowe Industries	Vapor Extraction	July 24, 2014 1:35 pm	07/29/2014

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**	**2.4**		ug/m³	0.53	0.53	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	0.65	0.65	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.78	0.78	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.88	0.88	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.3	1.3	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.83	0.83	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.73	0.73	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.88	0.88	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.3	1.3	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.71	0.71	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
75-34-3	**1,1-Dichloroethane**	**1.2**		ug/m³	0.73	0.73	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.8**		ug/m³	1.0	1.0	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.98	0.98	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**1.4**		ug/m³	1.4	1.4	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.2	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
71-55-6	**1,1,1-Trichloroethane**	**10**		ug/m³	0.98	0.98	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
75-71-8	**Dichlorodifluoromethane**	**2.2**		ug/m³	0.89	0.89	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.4	1.4	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.4	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.74	0.74	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.83	0.83	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 18:29	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.0 %*	*72-118*

Sample Information

Client Sample ID: AQ072414:1340NP4-3 **York Sample ID:** 14G1115-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1115	Rowe Industries	Vapor Extraction	July 24, 2014 1:40 pm	07/29/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: AQ072414:1340NP4-3 **York Sample ID:** 14G1115-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1115	Rowe Industries	Vapor Extraction	July 24, 2014 1:40 pm	07/29/2014

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/m³	0.23	0.23	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.63	0.63	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
79-01-6	Trichloroethylene	ND		ug/m³	0.24	0.24	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
10061-02-6	**trans-1,3-Dichloropropylene**	**6.6**		ug/m³	0.82	0.82	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.71	0.71	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
108-88-3	Toluene	ND		ug/m³	0.68	0.68	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.53	0.53	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
127-18-4	**Tetrachloroethylene**	**2.3**		ug/m³	0.31	0.31	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
100-42-5	Styrene	ND		ug/m³	0.77	0.77	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
115-07-1	* Propylene	ND		ug/m³	0.31	0.31	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
622-96-8	*** p-Ethyltoluene**	**0.88**		ug/m³	0.88	0.88	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.6	1.6	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
95-47-6	o-Xylene	ND		ug/m³	0.78	0.78	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
110-54-3	n-Hexane	ND		ug/m³	0.63	0.63	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
142-82-5	n-Heptane	ND		ug/m³	0.74	0.74	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
75-09-2	**Methylene chloride**	**2.2**		ug/m³	1.3	1.3	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.65	0.65	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.74	0.74	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
67-63-0	**Isopropanol**	**1.1**		ug/m³	0.88	0.88	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.9	1.9	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
100-41-4	Ethyl Benzene	ND		ug/m³	0.78	0.78	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	1.3	1.3	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
110-82-7	Cyclohexane	ND		ug/m³	0.62	0.62	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.82	0.82	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
156-59-2	**cis-1,2-Dichloroethylene**	**1.9**		ug/m³	0.71	0.71	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
74-87-3	**Chloromethane**	**1.8**		ug/m³	0.37	0.37	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
67-66-3	**Chloroform**	**1.9**		ug/m³	0.88	0.88	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
75-00-3	Chloroethane	ND		ug/m³	0.47	0.47	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
56-23-5	**Carbon tetrachloride**	**0.68**		ug/m³	0.28	0.28	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
75-15-0	**Carbon disulfide**	**0.78**		ug/m³	0.56	0.56	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
74-83-9	Bromomethane	ND		ug/m³	0.70	0.70	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
75-25-2	Bromoform	ND		ug/m³	1.9	1.9	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.1	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.93	0.93	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
71-43-2	**Benzene**	**1.3**		ug/m³	0.58	0.58	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
67-64-1	**Acetone**	**14**		ug/m³	0.43	0.43	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	1.5	1.5	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
78-93-3	**2-Butanone**	**3.8**		ug/m³	0.53	0.53	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD

Sample Information

Client Sample ID: AQ072414:1340NP4-3 **York Sample ID:** 14G1115-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G1115	Rowe Industries	Vapor Extraction	July 24, 2014 1:40 pm	07/29/2014

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/m³	0.65	0.65	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.78	0.78	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.88	0.88	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.3	1.3	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.83	0.83	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.73	0.73	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
95-63-6	**1,2,4-Trimethylbenzene**	**0.88**		ug/m³	0.88	0.88	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.3	1.3	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.71	0.71	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
75-34-3	**1,1-Dichloroethane**	**1.5**		ug/m³	0.73	0.73	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.8**		ug/m³	1.0	1.0	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.98	0.98	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.4	1.4	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.2	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
71-55-6	**1,1,1-Trichloroethane**	**8.3**		ug/m³	0.98	0.98	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
75-71-8	**Dichlorodifluoromethane**	**3.4**		ug/m³	0.89	0.89	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.4	1.4	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.4	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.74	0.74	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.83	0.83	1.8	EPA TO-15	07/31/2014 06:29	07/31/2014 19:26	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.3 %*	*72-118*

Analytical Batch Summary

Batch ID: BG41528 **Preparation Method:** EPA TO15 PREP **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14G1115-01	AQ072414:1330NP4-1	07/31/14
14G1115-02	AQ072414:1335NP4-2	07/31/14
14G1115-03	AQ072414:1340NP4-3	07/31/14
BG41528-BLK1	Blank	07/31/14
BG41528-BS1	LCS	07/31/14
BG41528-DUP1	Duplicate	07/31/14

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
Batch BG41528 - EPA TO15 PREP											
Blank (BG41528-BLK1)									Prepared & Analyzed: 07/31/2014		
Vinyl Chloride	ND	0.13	ug/m³								
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
Batch BG41528 - EPA TO15 PREP											
Blank (BG41528-BLK1)							Prepared & Analyzed: 07/31/2014				
Trichlorofluoromethane (Freon 11)	ND	0.56	ug/m³								
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: p-Bromofluorobenzene	*9.66*		*ppbv*	*10.6*		*91.1*	*72-118*				
LCS (BG41528-BS1)							Prepared & Analyzed: 07/31/2014				
Vinyl Chloride	7.50		ppbv	10.2		73.5	70-130				
Vinyl acetate	6.86		"	10.8		63.5	70-130	Low Bias			
Trichloroethylene	8.70		"	9.90		87.9	70-130				
trans-1,3-Dichloropropylene	10.9		"	10.9		99.7	70-130				
trans-1,2-Dichloroethylene	8.16		"	9.70		84.1	70-130				
Toluene	9.23		"	10.4		88.8	70-130				
Tetrahydrofuran	8.01		"	9.20		87.1	70-130				
Tetrachloroethylene	8.66		"	10.0		86.6	70-130				
Styrene	9.97		"	10.3		96.8	70-130				
Propylene	9.28		"	10.4		89.2	70-130				
p-Ethyltoluene	9.55		"	10.1		94.6	70-130				
p- & m- Xylenes	21.1		"	20.2		105	70-130				
o-Xylene	9.91		"	10.5		94.4	70-130				
n-Hexane	8.61		"	10.0		86.1	70-130				
n-Heptane	8.62		"	10.3		83.7	70-130				
Methylene chloride	7.68		"	9.90		77.6	70-130				
Methyl tert-butyl ether (MTBE)	8.24		"	9.80		84.1	70-130				
4-Methyl-2-pentanone	8.68		"	9.20		94.3	70-130				
Isopropanol	7.10		"	12.0		59.2	70-130	Low Bias			
Hexachlorobutadiene	9.62		"	9.90		97.2	70-130				
Ethyl Benzene	9.54		"	10.3		92.6	70-130				
Ethyl acetate	8.13		"	8.50		95.6	70-130				
Cyclohexane	8.60		"	10.1		85.1	70-130				
cis-1,3-Dichloropropylene	10.1		"	10.5		95.9	70-130				
cis-1,2-Dichloroethylene	8.58		"	10.3		83.3	70-130				
Chloromethane	9.08		"	10.1		89.9	70-130				
Chloroform	8.38		"	10.1		83.0	70-130				
Chloroethane	8.54		"	9.90		86.3	70-130				
Carbon tetrachloride	8.65		"	10.2		84.8	70-130				
Carbon disulfide	8.52		"	10.5		81.1	70-130				
Bromomethane	8.18		"	9.90		82.6	70-130				
Bromoform	10.2		"	10.1		100	70-130				
Bromodichloromethane	10.4		"	9.90		105	70-130				
Benzyl chloride	9.69		"	10.2		95.0	70-130				
Benzene	8.15		"	10.2		79.9	70-130				
Acetone	7.35		"	9.80		75.0	70-130				
2-Hexanone	7.82		"	9.30		84.1	70-130				
2-Butanone	7.73		"	9.40		82.2	70-130				
1,4-Dioxane	8.29		"	9.90		83.7	70-130				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG41528 - EPA TO15 PREP											
LCS (BG41528-BS1)									Prepared & Analyzed: 07/31/2014		
1,4-Dichlorobenzene	9.08		ppbv	10.2		89.0	70-130				
1,3-Dichlorobenzene	9.07		"	10.2		88.9	70-130				
1,3-Butadiene	7.95		"	10.1		78.7	70-130				
1,3,5-Trimethylbenzene	9.54		"	10.2		93.5	70-130				
1,2-Dichlorotetrafluoroethane	8.53		"	10.2		83.6	70-130				
1,2-Dichloropropane	9.54		"	10.3		92.6	70-130				
1,2-Dichloroethane	8.62		"	10.1		85.3	70-130				
1,2-Dichlorobenzene	9.07		"	10.1		89.8	70-130				
1,2,4-Trimethylbenzene	9.53		"	10.2		93.4	70-130				
1,2,4-Trichlorobenzene	7.76		"	9.60		80.8	70-130				
1,1-Dichloroethylene	8.47		"	10.0		84.7	70-130				
1,1-Dichloroethane	8.53		"	10.0		85.3	70-130				
Trichlorofluoromethane (Freon 11)	9.05		"	10.5		86.2	70-130				
1,1,2-Trichloroethane	9.31		"	10.3		90.4	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.98		"	9.70		82.3	70-130				
1,1,2,2-Tetrachloroethane	9.53		"	10.5		90.8	70-130				
1,1,1-Trichloroethane	8.30		"	9.90		83.8	70-130				
Dichlorodifluoromethane	7.35		"	10.0		73.5	70-130				
1,2-Dibromoethane	9.44		"	10.3		91.7	70-130				
Dibromochloromethane	10.8		"	10.3		105	70-130				
Methyl Methacrylate	8.86		"	9.50		93.3	70-130				
Chlorobenzene	9.13		"	10.4		87.8	70-130				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.6*		*94.4*	*72-118*				
Duplicate (BG41528-DUP1)	*Source sample: 14G1115-01 (AQ072414:1330NP4-1)								Prepared & Analyzed: 07/31/2014		
Vinyl Chloride	ND	0.23	ug/m³		ND					25	
Vinyl acetate	ND	0.62	"		ND					25	
Trichloroethylene	ND	0.24	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.80	"		ND					25	
trans-1,2-Dichloroethylene	ND	0.70	"		ND					25	
Toluene	1.8	0.67	"		1.7				3.77	25	
Tetrahydrofuran	1.9	0.52	"		1.8				5.56	25	
Tetrachloroethylene	6.7	0.30	"		6.2				7.41	25	
Styrene	ND	0.75	"		ND					25	
Propylene	ND	0.30	"		ND					25	
p-Ethyltoluene	1.0	0.87	"		0.96				8.70	25	
p- & m- Xylenes	4.7	1.5	"		4.5				5.04	25	
o-Xylene	1.1	0.77	"		1.1				0.00	25	
n-Hexane	ND	0.62	"		ND					25	
n-Heptane	ND	0.72	"		ND					25	
Methylene chloride	2.5	1.2	"		2.5				2.47	25	
Methyl tert-butyl ether (MTBE)	ND	0.64	"		ND					25	
4-Methyl-2-pentanone	ND	0.72	"		ND					25	
Isopropanol	3.9	0.87	"		3.6				6.98	25	
Hexachlorobutadiene	ND	1.9	"		ND					25	
Ethyl Benzene	ND	0.77	"		ND					25	
Ethyl acetate	ND	1.3	"		ND					25	
Cyclohexane	ND	0.61	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.80	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.70	"		ND					25	
Chloromethane	1.6	0.37	"		1.6				2.30	25	
Chloroform	ND	0.86	"		ND					25	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG41528 - EPA TO15 PREP											
Duplicate (BG41528-DUP1)	*Source sample: 14G1115-01 (AQ072414:1330NP4-1)								Prepared & Analyzed: 07/31/2014		
Chloroethane	ND	0.47	ug/m³		ND					25	
Carbon tetrachloride	0.56	0.28	"		0.44				22.2	25	
Carbon disulfide	ND	0.55	"		ND					25	
Bromomethane	ND	0.69	"		ND					25	
Bromoform	ND	1.8	"		ND					25	
Bromodichloromethane	ND	1.1	"		ND					25	
Benzyl chloride	ND	0.92	"		ND					25	
Benzene	ND	0.56	"		ND					25	
Acetone	11	0.42	"		11				5.28	25	
2-Hexanone	ND	1.4	"		ND					25	
2-Butanone	3.9	0.52	"		3.8				2.74	25	
1,4-Dioxane	ND	0.64	"		ND					25	
1,4-Dichlorobenzene	ND	1.1	"		ND					25	
1,3-Dichlorobenzene	ND	1.1	"		ND					25	
1,3-Butadiene	ND	0.77	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.87	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.2	"		ND					25	
1,2-Dichloropropane	ND	0.82	"		ND					25	
1,2-Dichloroethane	ND	0.72	"		ND					25	
1,2-Dichlorobenzene	ND	1.1	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.87	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.3	"		ND					25	
1,1-Dichloroethylene	ND	0.70	"		ND					25	
1,1-Dichloroethane	ND	0.72	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.4	0.99	"		1.3				7.41	25	
1,1,2-Trichloroethane	ND	0.96	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.4	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.2	"		ND					25	
1,1,1-Trichloroethane	ND	0.96	"		ND					25	
Dichlorodifluoromethane	1.8	0.87	"		1.8				0.00	25	
1,2-Dibromoethane	ND	1.4	"		ND					25	
Dibromochloromethane	ND	1.4	"		ND					25	
Methyl Methacrylate	ND	0.72	"		ND					25	
Chlorobenzene	ND	0.81	"		ND					25	
Surrogate: p-Bromofluorobenzene	*9.84*		*ppbv*	*10.6*		*92.8*	*72-118*				

Notes and Definitions

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

---

*	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

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

York Project No. 1461115

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: LBG	Company: Same	Company: Same	Rowe Industries	RUSH - Same Day ☐	Summary Report X, pdf
Address: 4 Research Dr, Suite 301, Shelton, CT 06484	Address: ↓	Address: ↓	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary X, pdf
Phone No. 203-929-8555	Phone No.	Phone No.	NABSAG	RUSH - Two Day ☐	CT RCP Package
Contact Person: Tunde Sandor	Attention:	Attention:		RUSH - Three Day ☐	NY ASP A Package
E-Mail Address: TSandor@LBGCT.com	E-Mail Address: ↓	E-Mail Address: ↓	Samples from: CT__ NY X NJ__	RUSH - Four Day ☐	NY ASP B/CLP Pkg X, pdf
				Standard(5-7 Days) ☒	NJDEP Reduced
					Electronic Deliverables:
					EDD (Specify Type)
					Standard Excel X
					Regulatory Comparison Excel

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

Samples Collected/Authorized By (Signature): [signature]

Name (printed): STEPHEN HNAT

Air Matrix Codes
- AI - INDOOR Ambient Air
- AO - OUTDOOR Amb. Air
- AE - Vapor Extraction Well/ Process Gas/Effluent
- AS - SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses

EPA TO-15 List	EPA TO-14A List
NYSDEC VI list	Tentatively Identified Compounds
NYSDEC STARS List	Air VPH
Project Specific List by TO-15	Helium
NJDEP Target List	Methane
CTDEP RCP Target List	OTHER

Detection Limits Required
- ≤ 1 ug/m³
- NYSDEC VI Limits (VI = vapor intrusion)
- NJDEP low level
- Routine Survey
- Other

Special Instructions

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
AQ072414:1330NP4-1	7/24/14 1330	AE			EPA TO-15 List.	6 Liter Summa canister / Tedlar Bag
AQ072414:1335NP4-2	↓ 1335	AE			↓	6 Liter Summa canister / Tedlar Bag
AQ072414:1340NP4-3	↓ 1340	AE			↓	6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag

Comments: Grab samples, no regulator used

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
Mark M. Goldberg	7/28/14 12:20	TC [signature]	7/28/14 12:20
Samples Relinquished By	Date/Time	Samples Received in LAB by: P Grace	7-28-14 1610