

TABLE 2

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

Effluent Water Quality Results

Date Sampled ^{2/}	pH ^{1/}	TDS (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis-1,2-DCE (ug/l)	trans-1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	5.0 to 8.5	---	5	5	5	5	5	5	5	5	5	5	5	---	10	7	---	---
5-Nov-15	6.5	149	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.75	0.111
17-Nov-15	6.5	166	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.84	0.065

SPDES: State Pollutant Discharge Elimination System

mg/l: Milligrams per liter

ug/l: Micrograms per liter

---: Not established

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

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

ND: Not detected

NM: Not Measured

TDS: Total dissolved solids

PCE: Tetrachloroethylene

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

TCE: Trichloroethene

1,1-DCA: 1,1-Dichloroethane

1,1-DCE: 1,1-Dichloroethene

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

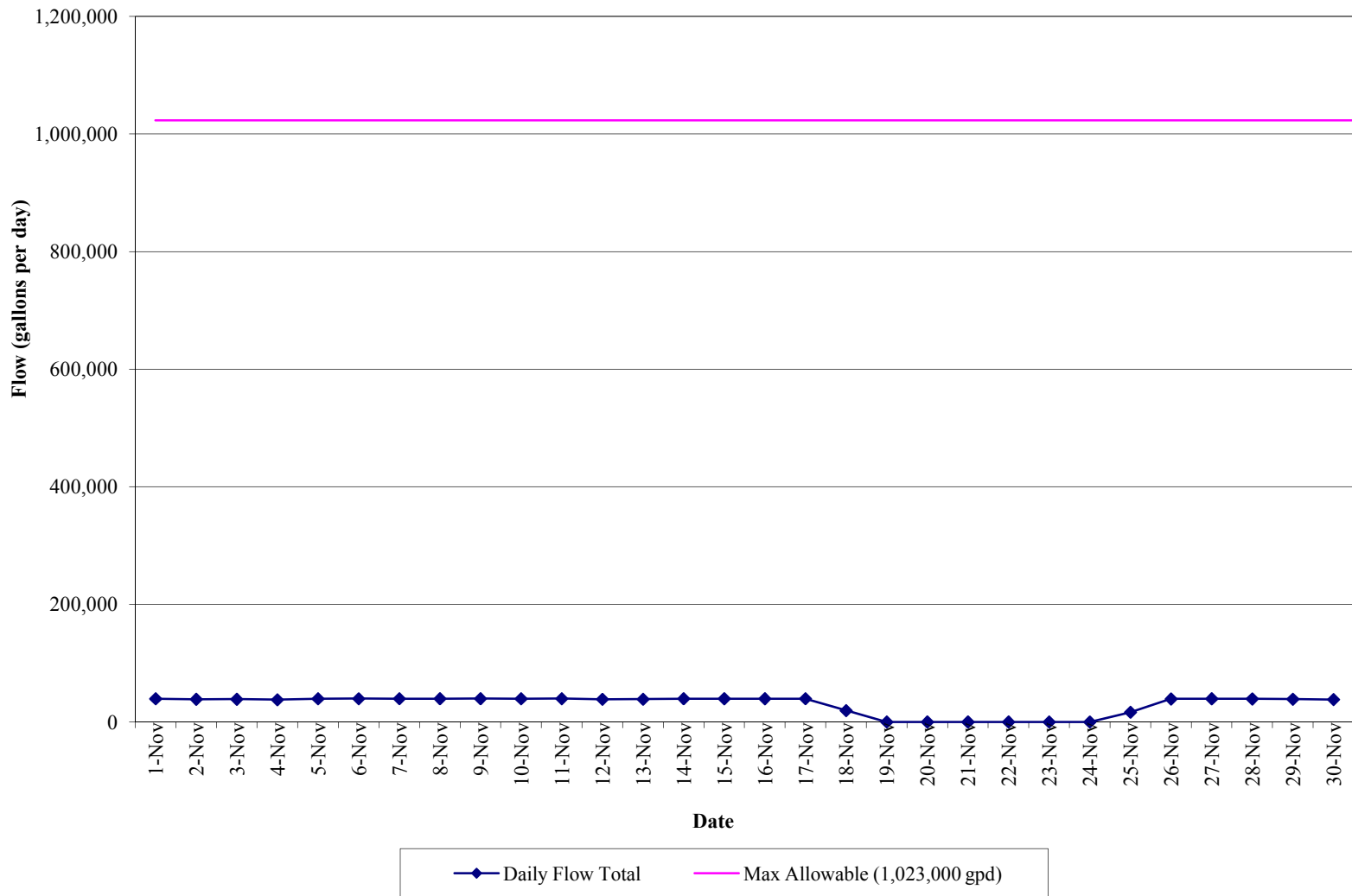
trans-1,2,-DCE: trans-1,2-Dichloroethene

Notes:

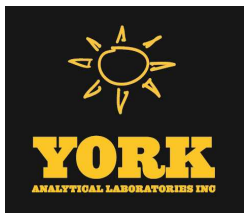
1. Based on the SPDES criteria from an NYSDEC letter dated on October 21, 2011, the new allowable pH range for the Rowe Site is between 5.0 and 8.5.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.

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

Effluent Flow Data
(November 1, 2015 to November 30, 2015)



APPENDIX I
NOVEMBER 2015 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 11/16/2015

Client Project ID: Rowe Industries

York Project (SDG) No.: 15K0315

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 11/16/2015
Client Project ID: Rowe Industries
York Project (SDG) No.: 15K0315

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 09, 2015 and listed below. The project was identified as your project: **Rowe Industries**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
15K0315-01	WQ110515:1210NP2-10	Water	11/05/2015	11/09/2015
15K0317-01	WQ110515:1200 NP2-6	Water	11/05/2015	11/09/2015
15K0317-02	WQ110515:1205 NP2-7	Water	11/05/2015	11/09/2015

General Notes for York Project (SDG) No.: 15K0315

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

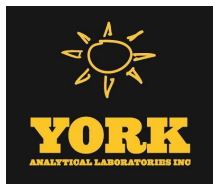
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 11/16/2015





Sample Information

Client Sample ID: WQ110515:1210NP2-10

York Sample ID: 15K0315-01

<u>York Project (SDG) No.</u> 15K0315	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 5, 2015 12:10 pm	<u>Date Received</u> 11/09/2015
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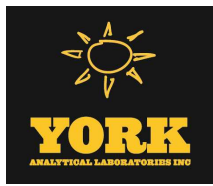
Volatile Organics, 8260 List - Low Level

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 Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS



Sample Information

Client Sample ID: WQ110515:1210NP2-10

York Sample ID: 15K0315-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0315

Rowe Industries

Water

November 5, 2015 12:10 pm

11/09/2015

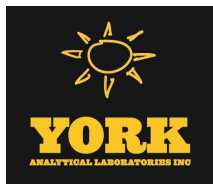
Volatile Organics, 8260 List - Low Level

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
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
67-64-1	Acetone	1.8	SCAL- E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS



Sample Information

Client Sample ID: WQ110515:1210NP2-10

York Sample ID: 15K0315-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0315

Rowe Industries

Water

November 5, 2015 12:10 pm

11/09/2015

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	11/12/2015 08:20	11/12/2015 16:34	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	11/12/2015 08:20	11/12/2015 16:34	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	11/12/2015 08:20	11/12/2015 16:34	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %			69-130						
2037-26-5	Surrogate: Toluene-d8	97.2 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	100 %			79-122						

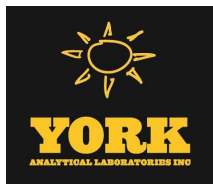
Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.747		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2015 11:59	11/12/2015 00:01	ALD



Sample Information

Client Sample ID: WQ110515:1210NP2-10

York Sample ID: 15K0315-01

<u>York Project (SDG) No.</u> 15K0315	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 5, 2015 12:10 pm	<u>Date Received</u> 11/09/2015
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Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

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	0.111		mg/L	0.0222	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/12/2015 11:34	11/12/2015 20:28	ALD

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	149		mg/L	10.0	10.0	1	SM 2540C Certifications: NELAC-NY10854,CTDOH,NJDEP	11/10/2015 18:58	11/11/2015 22:55	AA

Sample Information

Client Sample ID: WQ110515:1200 NP2-6

York Sample ID: 15K0317-01

<u>York Project (SDG) No.</u> 15K0317	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 5, 2015 12:00 pm	<u>Date Received</u> 11/09/2015
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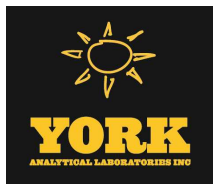
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS



Sample Information

Client Sample ID: WQ110515:1200 NP2-6

York Sample ID: 15K0317-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0317

Rowe Industries

Water

November 5, 2015 12:00 pm

11/09/2015

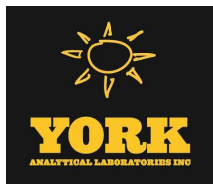
Volatile Organics, 8260 List - Low Level

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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
67-64-1	Acetone	1.4	SCAL- E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS



Sample Information

Client Sample ID: WQ110515:1200 NP2-6

York Sample ID: 15K0317-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0317

Rowe Industries

Water

November 5, 2015 12:00 pm

11/09/2015

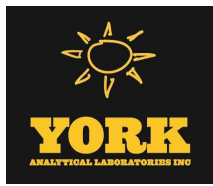
Volatile Organics, 8260 List - Low Level

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 Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	11/13/2015 10:11	11/13/2015 14:29	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	11/13/2015 10:11	11/13/2015 14:29	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS



Sample Information

Client Sample ID: WQ110515:1200 NP2-6

York Sample ID: 15K0317-01

<u>York Project (SDG) No.</u> 15K0317	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 5, 2015 12:00 pm	<u>Date Received</u> 11/09/2015
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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
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
79-01-6	Trichloroethylene	0.36	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	11/13/2015 10:11	11/13/2015 14:29	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.7 %			69-130						
2037-26-5	Surrogate: Toluene-d8	101 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	102 %			79-122						

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

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	1.79		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2015 11:59	11/12/2015 00:06	ALD

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

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	0.0646		mg/L	0.0222	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/12/2015 11:34	11/12/2015 20:33	ALD

Sample Information

Client Sample ID: WQ110515:1205 NP2-7

York Sample ID: 15K0317-02

<u>York Project (SDG) No.</u> 15K0317	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 5, 2015 12:05 pm	<u>Date Received</u> 11/09/2015
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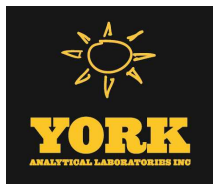
Volatile Organics, 8260 List - Low Level

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 Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS



Sample Information

Client Sample ID: WQ110515:1205 NP2-7

York Sample ID: 15K0317-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0317

Rowe Industries

Water

November 5, 2015 12:05 pm

11/09/2015

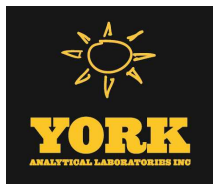
Volatile Organics, 8260 List - Low Level

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
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS



Sample Information

Client Sample ID: WQ110515:1205 NP2-7

York Sample ID: 15K0317-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0317

Rowe Industries

Water

November 5, 2015 12:05 pm

11/09/2015

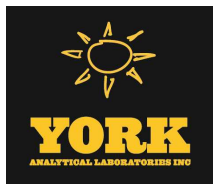
Volatile Organics, 8260 List - Low Level

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
67-64-1	Acetone	1.7	SCAL-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS



Sample Information

Client Sample ID: WQ110515:1205 NP2-7

York Sample ID: 15K0317-02

<u>York Project (SDG) No.</u> 15K0317	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 5, 2015 12:05 pm	<u>Date Received</u> 11/09/2015
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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
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	11/13/2015 10:11	11/13/2015 14:55	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	11/13/2015 10:11	11/13/2015 14:55	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	11/13/2015 10:11	11/13/2015 14:55	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			69-130						
2037-26-5	Surrogate: Toluene-d8	98.1 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	103 %			79-122						

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.510		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2015 11:59	11/12/2015 00:11	ALD

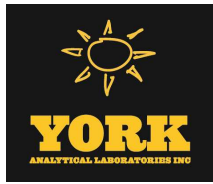
Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: WQ110515:1205 NP2-7

York Sample ID: 15K0317-02

York Project (SDG) No.
15K0317

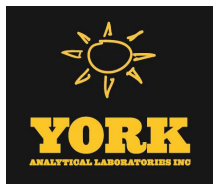
Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 5, 2015 12:05 pm

Date Received
11/09/2015

7439-89-6	Iron	0.237	mg/L	0.0222	0.0222	1	EPA 6010C	11/12/2015 11:34	11/12/2015 20:51	ALD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Analytical Batch Summary

Batch ID: BK50539 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
15K0315-01	WQ110515:1210NP2-10	11/10/15
BK50539-BLK1	Blank	11/10/15

Batch ID: BK50579 **Preparation Method:** EPA 200.7 **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15K0315-01	WQ110515:1210NP2-10	11/11/15
15K0317-01	WQ110515:1200 NP2-6	11/11/15
15K0317-02	WQ110515:1205 NP2-7	11/11/15
BK50579-BLK1	Blank	11/11/15
BK50579-SRM1	Reference	11/11/15

Batch ID: BK50634 **Preparation Method:** EPA 5030B **Prepared By:** BGS

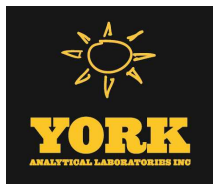
YORK Sample ID	Client Sample ID	Preparation Date
15K0315-01	WQ110515:1210NP2-10	11/12/15
BK50634-BLK1	Blank	11/12/15
BK50634-BS1	LCS	11/12/15
BK50634-BSD1	LCS Dup	11/12/15

Batch ID: BK50651 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15K0315-01	WQ110515:1210NP2-10	11/12/15
15K0317-01	WQ110515:1200 NP2-6	11/12/15
15K0317-02	WQ110515:1205 NP2-7	11/12/15
BK50651-BLK1	Blank	11/12/15
BK50651-SRM1	Reference	11/12/15

Batch ID: BK50703 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15K0317-01	WQ110515:1200 NP2-6	11/13/15
15K0317-02	WQ110515:1205 NP2-7	11/13/15
BK50703-BLK1	Blank	11/13/15
BK50703-BS1	LCS	11/13/15
BK50703-BSD1	LCS Dup	11/13/15



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK50634 - EPA 5030B

Blank (BK50634-BLK1)

Prepared & Analyzed: 11/12/2015

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	1.0	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK50634 - EPA 5030B

Blank (BK50634-BLK1)

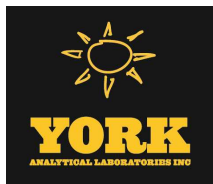
Prepared & Analyzed: 11/12/2015

p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	9.73		"	10.0		97.3	69-130				
Surrogate: Toluene-d8	9.94		"	10.0		99.4	81-117				
Surrogate: p-Bromofluorobenzene	10.6		"	10.0		106	79-122				

LCS (BK50634-BS1)

Prepared & Analyzed: 11/12/2015

1,1,1,2-Tetrachloroethane	11.2		ug/L	10.0		112	82-126				
1,1,1-Trichloroethane	10.1		"	10.0		101	78-136				
1,1,2,2-Tetrachloroethane	9.87		"	10.0		98.7	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	54-165				
1,1,2-Trichloroethane	9.79		"	10.0		97.9	82-123				
1,1-Dichloroethane	10.5		"	10.0		105	82-129				
1,1-Dichloroethylene	9.88		"	10.0		98.8	68-138				
1,1-Dichloropropylene	9.98		"	10.0		99.8	83-133				
1,2,3-Trichlorobenzene	9.75		"	10.0		97.5	76-136				
1,2,3-Trichloropropane	9.90		"	10.0		99.0	77-128				
1,2,4-Trichlorobenzene	9.82		"	10.0		98.2	76-137				
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132				
1,2-Dibromo-3-chloropropane	9.49		"	10.0		94.9	45-147				
1,2-Dibromoethane	9.79		"	10.0		97.9	83-124				
1,2-Dichlorobenzene	9.96		"	10.0		99.6	79-123				
1,2-Dichloroethane	9.60		"	10.0		96.0	73-132				
1,2-Dichloropropane	10.2		"	10.0		102	78-126				
1,3,5-Trimethylbenzene	10.7		"	10.0		107	80-131				
1,3-Dichlorobenzene	10.3		"	10.0		103	86-122				
1,3-Dichloropropane	9.82		"	10.0		98.2	81-125				
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124				
2,2-Dichloropropane	10.5		"	10.0		105	56-150				
2-Chlorotoluene	10.4		"	10.0		104	79-130				
2-Hexanone	9.09		"	10.0		90.9	51-146				
4-Chlorotoluene	10.4		"	10.0		104	79-128				
Acetone	7.36		"	10.0		73.6	14-150				
Benzene	10.5		"	10.0		105	85-126				
Bromobenzene	10.3		"	10.0		103	78-129				
Bromochloromethane	10.8		"	10.0		108	77-128				
Bromodichloromethane	10.2		"	10.0		102	79-128				
Bromoform	11.4		"	10.0		114	78-133				
Bromomethane	10.6		"	10.0		106	43-168				
Carbon tetrachloride	13.0		"	10.0		130	77-141				
Chlorobenzene	10.1		"	10.0		101	88-120				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK50634 - EPA 5030B

LCS (BK50634-BS1)

Prepared & Analyzed: 11/12/2015

Chloroethane	9.63		ug/L	10.0		96.3	65-136				
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	8.76		"	10.0		87.6	43-155				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129				
cis-1,3-Dichloropropylene	11.3		"	10.0		113	80-131				
Dibromochloromethane	10.8		"	10.0		108	80-130				
Dibromomethane	9.93		"	10.0		99.3	72-134				
Dichlorodifluoromethane	9.60		"	10.0		96.0	44-144				
Ethyl Benzene	10.5		"	10.0		105	80-131				
Hexachlorobutadiene	10.6		"	10.0		106	67-146				
Isopropylbenzene	10.4		"	10.0		104	76-140				
Methyl tert-butyl ether (MTBE)	9.62		"	10.0		96.2	76-135				
Methylene chloride	9.89		"	10.0		98.9	55-137				
Naphthalene	8.51		"	10.0		85.1	70-147				
n-Butylbenzene	10.6		"	10.0		106	79-132				
n-Propylbenzene	10.5		"	10.0		105	78-133				
o-Xylene	10.3		"	10.0		103	78-130				
p- & m- Xylenes	21.5		"	20.0		107	77-133				
p-Isopropyltoluene	10.5		"	10.0		105	81-136				
sec-Butylbenzene	10.4		"	10.0		104	79-137				
Styrene	11.2		"	10.0		112	67-132				
tert-Butylbenzene	10.3		"	10.0		103	77-138				
Tetrachloroethylene	8.70		"	10.0		87.0	82-131				
Toluene	10.5		"	10.0		105	80-127				
trans-1,2-Dichloroethylene	9.97		"	10.0		99.7	80-132				
trans-1,3-Dichloropropylene	11.7		"	10.0		117	78-131				
Trichloroethylene	8.94		"	10.0		89.4	82-128				
Trichlorofluoromethane	9.89		"	10.0		98.9	67-139				
Vinyl Chloride	10.1		"	10.0		101	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.70</i>		<i>"</i>	<i>10.0</i>		<i>97.0</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK50634 - EPA 5030B											
LCS Dup (BK50634-BSD1)											
Prepared & Analyzed: 11/12/2015											
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126		2.52	30	
1,1,1-Trichloroethane	10.0		"	10.0		100	78-136		0.892	30	
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	76-129		1.41	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165		0.886	30	
1,1,2-Trichloroethane	10.0		"	10.0		100	82-123		2.42	30	
1,1-Dichloroethane	10.1		"	10.0		101	82-129		3.60	30	
1,1-Dichloroethylene	9.67		"	10.0		96.7	68-138		2.15	30	
1,1-Dichloropropylene	10.2		"	10.0		102	83-133		1.79	30	
1,2,3-Trichlorobenzene	10.7		"	10.0		107	76-136		9.20	30	
1,2,3-Trichloropropane	4.93		"	10.0		49.3	77-128	Low Bias	67.0	30	Non-dir.
1,2,4-Trichlorobenzene	10.2		"	10.0		102	76-137		3.50	30	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132		5.47	30	
1,2-Dibromo-3-chloropropane	9.73		"	10.0		97.3	45-147		2.50	30	
1,2-Dibromoethane	9.81		"	10.0		98.1	83-124		0.204	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		0.601	30	
1,2-Dichloroethane	9.99		"	10.0		99.9	73-132		3.98	30	
1,2-Dichloropropane	9.93		"	10.0		99.3	78-126		2.88	30	
1,3,5-Trimethylbenzene	10.0		"	10.0		100	80-131		6.65	30	
1,3-Dichlorobenzene	9.92		"	10.0		99.2	86-122		3.66	30	
1,3-Dichloropropane	9.94		"	10.0		99.4	81-125		1.21	30	
1,4-Dichlorobenzene	9.94		"	10.0		99.4	85-124		3.75	30	
2,2-Dichloropropane	10.1		"	10.0		101	56-150		3.11	30	
2-Chlorotoluene	9.81		"	10.0		98.1	79-130		5.84	30	
2-Hexanone	9.45		"	10.0		94.5	51-146		3.88	30	
4-Chlorotoluene	9.94		"	10.0		99.4	79-128		4.91	30	
Acetone	7.63		"	10.0		76.3	14-150		3.60	30	
Benzene	10.3		"	10.0		103	85-126		1.83	30	
Bromobenzene	10.0		"	10.0		100	78-129		2.46	30	
Bromochloromethane	11.0		"	10.0		110	77-128		2.29	30	
Bromodichloromethane	10.0		"	10.0		100	79-128		1.38	30	
Bromoform	11.7		"	10.0		117	78-133		2.16	30	
Bromomethane	11.0		"	10.0		110	43-168		4.26	30	
Carbon tetrachloride	13.0		"	10.0		130	77-141		0.0767	30	
Chlorobenzene	9.84		"	10.0		98.4	88-120		2.61	30	
Chloroethane	9.48		"	10.0		94.8	65-136		1.57	30	
Chloroform	10.1		"	10.0		101	82-128		2.36	30	
Chloromethane	8.92		"	10.0		89.2	43-155		1.81	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	83-129		0.579	30	
cis-1,3-Dichloropropylene	11.3		"	10.0		113	80-131		0.266	30	
Dibromochloromethane	10.9		"	10.0		109	80-130		1.01	30	
Dibromomethane	9.99		"	10.0		99.9	72-134		0.602	30	
Dichlorodifluoromethane	9.68		"	10.0		96.8	44-144		0.830	30	
Ethyl Benzene	10.2		"	10.0		102	80-131		3.58	30	
Hexachlorobutadiene	10.0		"	10.0		100	67-146		5.54	30	
Isopropylbenzene	9.91		"	10.0		99.1	76-140		5.11	30	
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	76-135		4.97	30	
Methylene chloride	9.97		"	10.0		99.7	55-137		0.806	30	
Naphthalene	10.2		"	10.0		102	70-147		18.5	30	
n-Butylbenzene	10.1		"	10.0		101	79-132		4.93	30	
n-Propylbenzene	9.92		"	10.0		99.2	78-133		5.87	30	
o-Xylene	9.98		"	10.0		99.8	78-130		2.77	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK50634 - EPA 5030B

LCS Dup (BK50634-BSD1)

Prepared & Analyzed: 11/12/2015

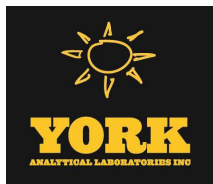
p- & m- Xylenes	20.7		ug/L	20.0		103	77-133			3.80	30
p-Isopropyltoluene	9.93		"	10.0		99.3	81-136			5.20	30
sec-Butylbenzene	9.79		"	10.0		97.9	79-137			5.56	30
Styrene	11.2		"	10.0		112	67-132			0.179	30
tert-Butylbenzene	9.70		"	10.0		97.0	77-138			6.19	30
Tetrachloroethylene	8.39		"	10.0		83.9	82-131			3.63	30
Toluene	10.1		"	10.0		101	80-127			3.58	30
trans-1,2-Dichloroethylene	9.86		"	10.0		98.6	80-132			1.11	30
trans-1,3-Dichloropropylene	11.5		"	10.0		115	78-131			1.47	30
Trichloroethylene	8.72		"	10.0		87.2	82-128			2.49	30
Trichlorofluoromethane	9.94		"	10.0		99.4	67-139			0.504	30
Vinyl Chloride	9.98		"	10.0		99.8	58-145			1.29	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.89</i>		<i>"</i>	<i>10.0</i>		<i>98.9</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.77</i>		<i>"</i>	<i>10.0</i>		<i>97.7</i>	<i>79-122</i>				

Batch BK50703 - EPA 5030B

Blank (BK50703-BLK1)

Prepared & Analyzed: 11/13/2015

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

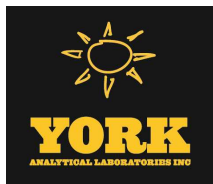
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK50703 - EPA 5030B

Blank (BK50703-BLK1)

Prepared & Analyzed: 11/13/2015

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	"								
<hr/>											
Surrogate: 1,2-Dichloroethane-d4	9.74		"	10.0		97.4	69-130				
Surrogate: Toluene-d8	9.82		"	10.0		98.2	81-117				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

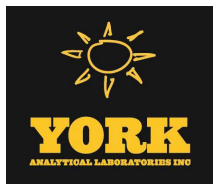
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK50703 - EPA 5030B

LCS (BK50703-BS1)

Prepared & Analyzed: 11/13/2015

1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126				
1,1,1-Trichloroethane	9.90		"	10.0		99.0	78-136				
1,1,2,2-Tetrachloroethane	9.58		"	10.0		95.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	54-165				
1,1,2-Trichloroethane	9.73		"	10.0		97.3	82-123				
1,1-Dichloroethane	10.4		"	10.0		104	82-129				
1,1-Dichloroethylene	9.77		"	10.0		97.7	68-138				
1,1-Dichloropropylene	9.99		"	10.0		99.9	83-133				
1,2,3-Trichlorobenzene	8.94		"	10.0		89.4	76-136				
1,2,3-Trichloropropane	8.82		"	10.0		88.2	77-128				
1,2,4-Trichlorobenzene	9.45		"	10.0		94.5	76-137				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132				
1,2-Dibromo-3-chloropropane	9.65		"	10.0		96.5	45-147				
1,2-Dibromoethane	9.56		"	10.0		95.6	83-124				
1,2-Dichlorobenzene	9.86		"	10.0		98.6	79-123				
1,2-Dichloroethane	9.31		"	10.0		93.1	73-132				
1,2-Dichloropropane	9.57		"	10.0		95.7	78-126				
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131				
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122				
1,3-Dichloropropane	9.57		"	10.0		95.7	81-125				
1,4-Dichlorobenzene	9.82		"	10.0		98.2	85-124				
2,2-Dichloropropane	10.2		"	10.0		102	56-150				
2-Chlorotoluene	9.79		"	10.0		97.9	79-130				
2-Hexanone	9.15		"	10.0		91.5	51-146				
4-Chlorotoluene	9.83		"	10.0		98.3	79-128				
Acetone	7.63		"	10.0		76.3	14-150				
Benzene	10.3		"	10.0		103	85-126				
Bromobenzene	9.91		"	10.0		99.1	78-129				
Bromochloromethane	10.9		"	10.0		109	77-128				
Bromodichloromethane	9.71		"	10.0		97.1	79-128				
Bromoform	11.1		"	10.0		111	78-133				
Bromomethane	9.69		"	10.0		96.9	43-168				
Carbon tetrachloride	13.0		"	10.0		130	77-141				
Chlorobenzene	9.58		"	10.0		95.8	88-120				
Chloroethane	9.81		"	10.0		98.1	65-136				
Chloroform	10.0		"	10.0		100	82-128				
Chloromethane	8.35		"	10.0		83.5	43-155				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	11.0		"	10.0		110	80-131				
Dibromochloromethane	10.5		"	10.0		105	80-130				
Dibromomethane	9.39		"	10.0		93.9	72-134				
Dichlorodifluoromethane	10.0		"	10.0		100	44-144				
Ethyl Benzene	10.1		"	10.0		101	80-131				
Hexachlorobutadiene	10.1		"	10.0		101	67-146				
Isopropylbenzene	9.94		"	10.0		99.4	76-140				
Methyl tert-butyl ether (MTBE)	9.59		"	10.0		95.9	76-135				
Methylene chloride	9.49		"	10.0		94.9	55-137				
Naphthalene	8.53		"	10.0		85.3	70-147				
n-Butylbenzene	10.2		"	10.0		102	79-132				
n-Propylbenzene	10.1		"	10.0		101	78-133				
o-Xylene	9.88		"	10.0		98.8	78-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK50703 - EPA 5030B

LCS (BK50703-BS1)

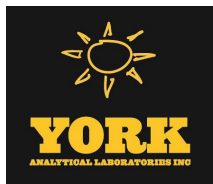
Prepared & Analyzed: 11/13/2015

p- & m- Xylenes	20.4		ug/L	20.0		102	77-133				
p-Isopropyltoluene	10.0		"	10.0		100	81-136				
sec-Butylbenzene	9.88		"	10.0		98.8	79-137				
Styrene	10.9		"	10.0		109	67-132				
tert-Butylbenzene	9.75		"	10.0		97.5	77-138				
Tetrachloroethylene	8.27		"	10.0		82.7	82-131				
Toluene	9.99		"	10.0		99.9	80-127				
trans-1,2-Dichloroethylene	9.91		"	10.0		99.1	80-132				
trans-1,3-Dichloropropylene	11.1		"	10.0		111	78-131				
Trichloroethylene	8.60		"	10.0		86.0	82-128				
Trichlorofluoromethane	9.72		"	10.0		97.2	67-139				
Vinyl Chloride	10.1		"	10.0		101	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.50</i>		<i>"</i>	<i>10.0</i>		<i>95.0</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.88</i>		<i>"</i>	<i>10.0</i>		<i>98.8</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.91</i>		<i>"</i>	<i>10.0</i>		<i>99.1</i>	<i>79-122</i>				

LCS Dup (BK50703-BSD1)

Prepared & Analyzed: 11/13/2015

1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126		1.40	30	
1,1,1-Trichloroethane	9.88		"	10.0		98.8	78-136		0.202	30	
1,1,2,2-Tetrachloroethane	9.57		"	10.0		95.7	76-129		0.104	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	54-165		1.34	30	
1,1,2-Trichloroethane	9.75		"	10.0		97.5	82-123		0.205	30	
1,1-Dichloroethane	10.4		"	10.0		104	82-129		0.673	30	
1,1-Dichloroethylene	9.73		"	10.0		97.3	68-138		0.410	30	
1,1-Dichloropropylene	9.81		"	10.0		98.1	83-133		1.82	30	
1,2,3-Trichlorobenzene	9.62		"	10.0		96.2	76-136		7.33	30	
1,2,3-Trichloropropane	8.86		"	10.0		88.6	77-128		0.452	30	
1,2,4-Trichlorobenzene	9.19		"	10.0		91.9	76-137		2.79	30	
1,2,4-Trimethylbenzene	9.68		"	10.0		96.8	82-132		4.35	30	
1,2-Dibromo-3-chloropropane	9.47		"	10.0		94.7	45-147		1.88	30	
1,2-Dibromoethane	9.57		"	10.0		95.7	83-124		0.105	30	
1,2-Dichlorobenzene	9.49		"	10.0		94.9	79-123		3.82	30	
1,2-Dichloroethane	9.89		"	10.0		98.9	73-132		6.04	30	
1,2-Dichloropropane	9.60		"	10.0		96.0	78-126		0.313	30	
1,3,5-Trimethylbenzene	9.70		"	10.0		97.0	80-131		4.83	30	
1,3-Dichlorobenzene	9.52		"	10.0		95.2	86-122		4.92	30	
1,3-Dichloropropane	9.53		"	10.0		95.3	81-125		0.419	30	
1,4-Dichlorobenzene	9.51		"	10.0		95.1	85-124		3.21	30	
2,2-Dichloropropane	10.1		"	10.0		101	56-150		0.591	30	
2-Chlorotoluene	9.27		"	10.0		92.7	79-130		5.46	30	
2-Hexanone	9.43		"	10.0		94.3	51-146		3.01	30	
4-Chlorotoluene	9.38		"	10.0		93.8	79-128		4.69	30	
Acetone	7.36		"	10.0		73.6	14-150		3.60	30	
Benzene	10.4		"	10.0		104	85-126		0.774	30	
Bromobenzene	9.55		"	10.0		95.5	78-129		3.70	30	
Bromochloromethane	11.2		"	10.0		112	77-128		2.36	30	
Bromodichloromethane	9.55		"	10.0		95.5	79-128		1.66	30	
Bromoform	11.4		"	10.0		114	78-133		2.76	30	
Bromomethane	10.5		"	10.0		105	43-168		7.74	30	
Carbon tetrachloride	12.9		"	10.0		129	77-141		0.773	30	
Chlorobenzene	9.35		"	10.0		93.5	88-120		2.43	30	
Chloroethane	9.74		"	10.0		97.4	65-136		0.716	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

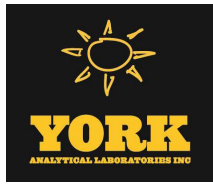
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK50703 - EPA 5030B

LCS Dup (BK50703-BSD1)

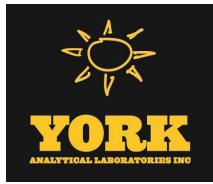
Prepared & Analyzed: 11/13/2015

Chloroform	10.1		ug/L	10.0		101	82-128		1.39	30	
Chloromethane	8.44		"	10.0		84.4	43-155		1.07	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	83-129		0.881	30	
cis-1,3-Dichloropropylene	10.8		"	10.0		108	80-131		2.11	30	
Dibromochloromethane	10.5		"	10.0		105	80-130		0.476	30	
Dibromomethane	9.73		"	10.0		97.3	72-134		3.56	30	
Dichlorodifluoromethane	9.93		"	10.0		99.3	44-144		0.802	30	
Ethyl Benzene	9.71		"	10.0		97.1	80-131		3.64	30	
Hexachlorobutadiene	9.37		"	10.0		93.7	67-146		7.30	30	
Isopropylbenzene	9.36		"	10.0		93.6	76-140		6.01	30	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	76-135		4.58	30	
Methylene chloride	9.63		"	10.0		96.3	55-137		1.46	30	
Naphthalene	8.42		"	10.0		84.2	70-147		1.30	30	
n-Butylbenzene	9.56		"	10.0		95.6	79-132		6.48	30	
n-Propylbenzene	9.40		"	10.0		94.0	78-133		6.88	30	
o-Xylene	9.44		"	10.0		94.4	78-130		4.55	30	
p- & m- Xylenes	19.6		"	20.0		97.9	77-133		4.15	30	
p-Isopropyltoluene	9.36		"	10.0		93.6	81-136		6.91	30	
sec-Butylbenzene	9.25		"	10.0		92.5	79-137		6.59	30	
Styrene	10.6		"	10.0		106	67-132		2.05	30	
tert-Butylbenzene	9.16		"	10.0		91.6	77-138		6.24	30	
Tetrachloroethylene	8.01		"	10.0		80.1	82-131	Low Bias	3.19	30	
Toluene	9.75		"	10.0		97.5	80-127		2.43	30	
trans-1,2-Dichloroethylene	9.82		"	10.0		98.2	80-132		0.912	30	
trans-1,3-Dichloropropylene	11.3		"	10.0		113	78-131		1.07	30	
Trichloroethylene	8.26		"	10.0		82.6	82-128		4.03	30	
Trichlorofluoromethane	9.56		"	10.0		95.6	67-139		1.66	30	
Vinyl Chloride	9.94		"	10.0		99.4	58-145		1.40	30	
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: Toluene-d8	9.73		"	10.0		97.3	81-117				
Surrogate: p-Bromofluorobenzene	9.70		"	10.0		97.0	79-122				



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 BK50579 - EPA 200.7											
Blank (BK50579-BLK1)										Prepared & Analyzed: 11/11/2015	
Iron	ND	0.0200	mg/L								
Reference (BK50579-SRM1)										Prepared & Analyzed: 11/11/2015	
Iron	2.10		ug/mL	2.12		99.2	85-115				
Batch BK50651 - EPA 3015A											
Blank (BK50651-BLK1)										Prepared & Analyzed: 11/12/2015	
Iron - Dissolved	ND	0.0200	mg/L								
Reference (BK50651-SRM1)										Prepared & Analyzed: 11/12/2015	
Iron - Dissolved	0.588		ug/mL	0.570		103	85.1-115.1				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

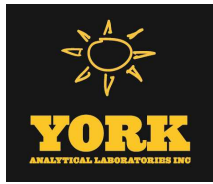
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK50539 - % Solids Prep

Blank (BK50539-BLK1)

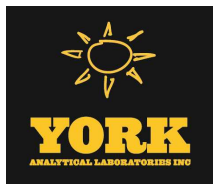
Prepared: 11/10/2015 Analyzed: 11/11/2015

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

Lab ID	Client Sample ID	Volatile Sample Container
15K0315-01	WQ110515:1210NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15K0317-01	WQ110515:1200 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15K0317-02	WQ110515:1205 NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

- SCAL-E The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
- QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

-
- * 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.

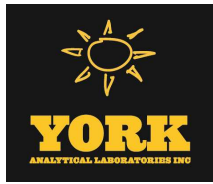
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

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.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



YORK

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

Field Chain-of-Custody Record

Page 1 of 1

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

York Project No. 15K0315

YOUR INFORMATION Company: <u>LBB</u> Address: <u>4 Research Dr. Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sander</u> E-Mail Address: <u>TSander@lbbct.com</u>		Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Apwe Industries</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR PROJECT ID Purchase Order No. <u>NAB5AG</u>		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		Report Type Summary Report <u>X</u> pdf Summary w/ QA Summary <u>X</u> pdf CT RCP Package CITRCP DQ/ADUE Pkg NY ASP A Package NY ASP B Package <u>NP2 TO ONLY</u> NIDEP Red. Deliv. Electronic Data Deliverables (EDD)	
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Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

[Signature]
 Samples Collected/Authorized By (Signature)
Evan Foster
 Name (printed)

Matrix Codes	Volatiles	Semivolatiles	Misc. Org.	Full Lists	Misc.
S - soil	8260 full	8270 or 625	TPH GRO	Full Poll.	Comsivity
Other - specify (oil, etc)	TICs	STARS list	TPH DR0	TCL Opnacs	Reactivity
WW - wastewater	Site Spec	BN Only	CT ETPH	TAL M&CQ	Agitability
GW - groundwater	Nassau Co.	Acids Only	NY 310-13	Full TCLP	Flash Point
DW - drinking water	BT/EX	PAH list	TPH 1664	Full App IX	Sieve Anal.
Air-A - ambient air	MTBE	App. IX	Air TO14A	Part 300-Reson	Heterocyclics
Air-SV - soil vapor	TCL list	Site Spec.	Air TO15	Part 300-Reson	TOX
	TAGM list	TCLP list	Air STARS	Part 300-Reson	BTU/b.
	CT RCP list	SELP or TCLP	SELP or TCLP	Part 300-Reson	Appar. Tox
	Arom. only	502.2	Ind. Metals	NYCDEP	TOC
	Halog. only	NIDEP list	LIST Below	NYCDEP	Absoctas
	App. IX list	SELP or TCLP	Haloun	TAGM	Silica
	8021B list	SELP or TCLP	608 PCB		

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ110515: 1200 NP2-6	11-5-15	GW	Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SW 846-6106) / TOCS, P280 List (EPA SW 845-8260b) plus from 113	Mixed
WQ110515: 1205 NP2-7		GW	Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SW 846-6106) / TOCS, P280 List (EPA SW 845-8260a) plus from 113 / TOCS (SH 2540c)	
WQ110515: 1210 NP2-10		GW		

Comments Preservation <input checked="" type="checkbox"/> Frozen Check those Applicable Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>	HCl <input checked="" type="checkbox"/> MeOH Ascorbic Acid HNO ₃ <input checked="" type="checkbox"/> H ₂ SO ₄ NaOH	Temperature on Receipt <u>4.3</u> °C
	Samples Relinquished By: <u>[Signature]</u> Date/Time: <u>11/6/15 14:00</u> Samples Received By: <u>LBG Fardge</u> Date/Time: <u>11/6/15 14:00</u> Samples Relinquished By: <u>[Signature]</u> Date/Time: <u>11/9/15 13:49</u> Samples Received in LAB by: _____ Date/Time: _____	

YORK

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

Field Chain-of-Custody Record

Page 1 of 1

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

York Project No. 15K0317

YOUR Information Company: <u>LB6</u> Address: <u>4 Research Dr, Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sander</u> E-Mail Address: <u>Tsander@lb6ct.com</u>		Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR Project ID Name: <u>Rowe Industries.</u> Purchase Order No. <u>NAB5A6.</u>		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		Report Type Summary Report: <u>X</u> pdf Summary w/ QA Summary: <u>X</u> pdf CT RCP Package CT RCP DQA/DUE Pkg NY ASP A Package NY ASP B Package <u>NY2-10001</u> NIJEP Red. Deliv. Electronic Data Deliverables (EDD)	
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Print Clearly and Legibly - All Information must be completed. Samples will NOT be logged in and the turn-around time clock will not begin until all questions by York are resolved.

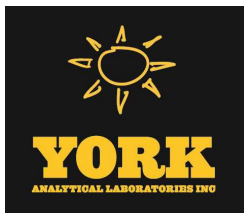
[Signature]
 Samples Collected/Authorized By (Signature)
Evan Foster
 Name (printed)

Matrix Codes	Volatiles	Semi-Volat	Pest/Carb	Metals	Misc. Org	Full Lists	Misc.
8260 Full	TICs	8270 or 625	8082 PCB	RCEA8	TPH GRO	PEL Poll.	Cerativity
524	Site Spec	STARS list	8081 Pest	PP13 list	TPH DR0	TCL Organs	Reactivity
STARS list	Nassau Co.	BNS Only	815 Herb	TAL	CT EPH	TAL MeCN	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	Oxyanions	TAGM list	Site Spec.	NIJEP list	Air TO14A	Part 300 Metals	Hexachloro
TAGM list	TCLP list	CT RCP list	SELP or TCLP	TCLP Total	Air TO15	Part 300 Metals	TOX
CT RCP list	524.2	TCL list	TCLP Herb	Disolved	Air STARS	Part 300 Metals	BTU/b.
Arom. only	502.2	NIJEP list	SELP or TCLP	SELP or TCLP	Air VPH	Part 300 Metals	Aquatic Tox
DW - drinking water	NIJEP list	App. IX	Chlordane	Ink/Mesh	Air TICs	NYJEP Sewer	TOC
Air-A - ambient air	SRP or TCLP	TCLP BNA	608 Pest	LIST Below	Mediane	NYJEP Sewer	TOC
Air-SV - soil vapor	8021B list	SELP or TCLP	608 PCB	Helium	TAGM	NYJEP Sewer	Asbestos

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ110515:1200 NP2-6	11-5-15	GW	Fe by EPA 800-7 Fe, Dissolved by EPA 6010 (SW 846-60108) / VOCs, P180 list (EPA SW 846-8180A) plus from 113	Mixed
WQ110515:1205 NP2-7		GW		
WQ110515:1210 NP2-10		GW	Fe by EPA 800-7 Fe, Dissolved by EPA 6010 (SW 846-60108) / VOCs, P180 list (EPA SW 846-8180A) plus from 113 / TDS (SH 2540C)	

Comments Preservation: <input checked="" type="checkbox"/> Fridge, <input checked="" type="checkbox"/> HCl, <input checked="" type="checkbox"/> MeOH, <input checked="" type="checkbox"/> HNO ₃ , <input checked="" type="checkbox"/> NaOH Check those Applicable: <input checked="" type="checkbox"/> ZMAC, <input checked="" type="checkbox"/> Ascorbic Acid, <input type="checkbox"/> Other		Temperature on Receipt: <u>4.3°C</u>	
Samples Relinquished By: <u>[Signature]</u> Date/Time: <u>11/6/15 1400</u>		Samples Received By: <u>LB6 Fridge</u> Date/Time: <u>11/6/15 1400</u>	
Samples Relinquished By: <u>[Signature]</u> Date/Time: _____		Samples Received in LAB By: <u>[Signature]</u> Date/Time: _____	

[Signature] 11/9/15 13:49 (sysadm)



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 12/01/2015

Client Project ID: Rowe Industries

York Project (SDG) No.: 15K0711

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 12/01/2015
Client Project ID: Rowe Industries
York Project (SDG) No.: 15K0711

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 19, 2015 and listed below. The project was identified as your project: **Rowe Industries**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
15K0711-01	WQ111715:1010 NP2:10	Water	11/17/2015	11/19/2015
15K0713-01	WQ111715:1000 NP2-6	Water	11/17/2015	11/19/2015
15K0713-02	WQ111715:1005 NP2-7	Water	11/17/2015	11/19/2015

General Notes for York Project (SDG) No.: 15K0711

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

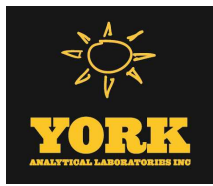
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 12/01/2015





Sample Information

Client Sample ID: WQ111715:1010 NP2:10

York Sample ID: 15K0711-01

<u>York Project (SDG) No.</u> 15K0711	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 17, 2015 10:10 am	<u>Date Received</u> 11/19/2015
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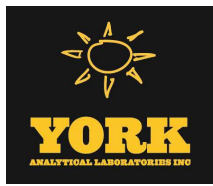
Volatile Organics, 8260 List - Low Level

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 Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS



Sample Information

Client Sample ID: WQ111715:1010 NP2:10

York Sample ID: 15K0711-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0711

Rowe Industries

Water

November 17, 2015 10:10 am

11/19/2015

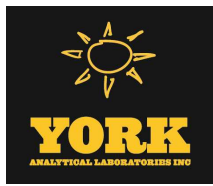
Volatile Organics, 8260 List - Low Level

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
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
67-64-1	Acetone	1.3	SCAL-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS



Sample Information

Client Sample ID: WQ111715:1010 NP2:10

York Sample ID: 15K0711-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0711

Rowe Industries

Water

November 17, 2015 10:10 am

11/19/2015

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	12/01/2015 08:32	12/01/2015 14:40	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	12/01/2015 08:32	12/01/2015 14:40	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	12/01/2015 08:32	12/01/2015 14:40	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.5 %			69-130						
2037-26-5	Surrogate: Toluene-d8	98.2 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	107 %			79-122						

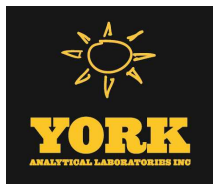
Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.844		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/21/2015 09:42	11/21/2015 15:57	ALD



Sample Information

Client Sample ID: WQ111715:1010 NP2:10

York Sample ID: 15K0711-01

<u>York Project (SDG) No.</u> 15K0711	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 17, 2015 10:10 am	<u>Date Received</u> 11/19/2015
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Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

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	0.0645		mg/L	0.0222	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/21/2015 09:40	11/21/2015 13:56	ALD

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	166		mg/L	10.0	10.0	1	SM 2540C Certifications: NELAC-NY10854,CTDOH,NJDEP	11/20/2015 18:18	11/23/2015 18:22	AA

Sample Information

Client Sample ID: WQ111715:1000 NP2-6

York Sample ID: 15K0713-01

<u>York Project (SDG) No.</u> 15K0713	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 17, 2015 10:00 am	<u>Date Received</u> 11/19/2015
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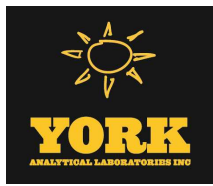
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS



Sample Information

Client Sample ID: WQ111715:1000 NP2-6

York Sample ID: 15K0713-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0713

Rowe Industries

Water

November 17, 2015 10:00 am

11/19/2015

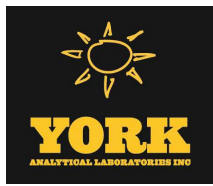
Volatile Organics, 8260 List - Low Level

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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS



Sample Information

Client Sample ID: WQ111715:1000 NP2-6

York Sample ID: 15K0713-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0713

Rowe Industries

Water

November 17, 2015 10:00 am

11/19/2015

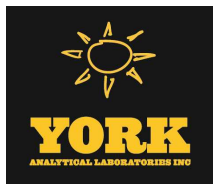
Volatile Organics, 8260 List - Low Level

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 Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	11/25/2015 17:31	11/26/2015 08:43	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	11/25/2015 17:31	11/26/2015 08:43	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS



Sample Information

Client Sample ID: WQ111715:1000 NP2-6

York Sample ID: 15K0713-01

<u>York Project (SDG) No.</u> 15K0713	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 17, 2015 10:00 am	<u>Date Received</u> 11/19/2015
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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
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
79-01-6	Trichloroethylene	0.48	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	11/25/2015 17:31	11/26/2015 08:43	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %			69-130						
2037-26-5	Surrogate: Toluene-d8	104 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	108 %			79-122						

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

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	2.73		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/21/2015 09:42	11/21/2015 16:02	ALD

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

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	0.0222	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/21/2015 09:40	11/21/2015 14:27	ALD

Sample Information

Client Sample ID: WQ111715:1005 NP2-7

York Sample ID: 15K0713-02

<u>York Project (SDG) No.</u> 15K0713	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 17, 2015 10:05 am	<u>Date Received</u> 11/19/2015
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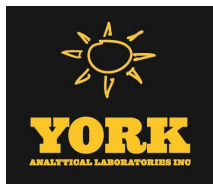
Volatile Organics, 8260 List - Low Level

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 Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS



Sample Information

Client Sample ID: WQ111715:1005 NP2-7

York Sample ID: 15K0713-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0713

Rowe Industries

Water

November 17, 2015 10:05 am

11/19/2015

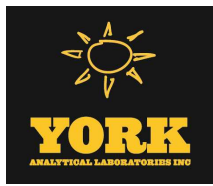
Volatile Organics, 8260 List - Low Level

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
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS



Sample Information

Client Sample ID: WQ111715:1005 NP2-7

York Sample ID: 15K0713-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0713

Rowe Industries

Water

November 17, 2015 10:05 am

11/19/2015

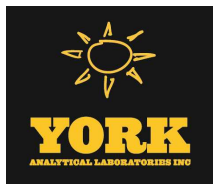
Volatile Organics, 8260 List - Low Level

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
67-64-1	Acetone	1.3	SCAL-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS



Sample Information

Client Sample ID: WQ111715:1005 NP2-7

York Sample ID: 15K0713-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0713

Rowe Industries

Water

November 17, 2015 10:05 am

11/19/2015

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
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	11/25/2015 17:31	11/26/2015 09:10	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	11/25/2015 17:31	11/26/2015 09:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	11/25/2015 17:31	11/26/2015 09:10	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.6 %			69-130						
2037-26-5	Surrogate: Toluene-d8	103 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	106 %			79-122						

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.778		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/21/2015 09:42	11/21/2015 16:07	ALD

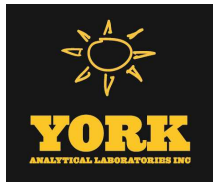
Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: WQ111715:1005 NP2-7

York Sample ID: 15K0713-02

York Project (SDG) No.
15K0713

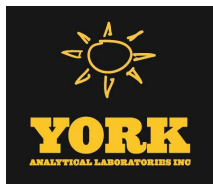
Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
November 17, 2015 10:05 am

Date Received
11/19/2015

7439-89-6	Iron	0.106	mg/L	0.0222	0.0222	1	EPA 6010C	11/21/2015 09:40	11/21/2015 14:32	ALD	
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP			



Analytical Batch Summary

Batch ID: BK51127 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
15K0711-01	WQ111715:1010 NP2:10	11/20/15
BK51127-BLK1	Blank	11/20/15

Batch ID: BK51142 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15K0711-01	WQ111715:1010 NP2:10	11/21/15
15K0713-01	WQ111715:1000 NP2-6	11/21/15
15K0713-02	WQ111715:1005 NP2-7	11/21/15
BK51142-BLK1	Blank	11/21/15
BK51142-DUP1	Duplicate	11/21/15
BK51142-MS1	Matrix Spike	11/21/15
BK51142-SRM1	Reference	11/21/15

Batch ID: BK51143 **Preparation Method:** EPA 200.7 **Prepared By:** ALD

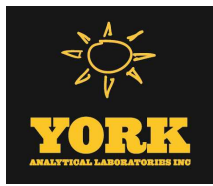
YORK Sample ID	Client Sample ID	Preparation Date
15K0711-01	WQ111715:1010 NP2:10	11/21/15
15K0713-01	WQ111715:1000 NP2-6	11/21/15
15K0713-02	WQ111715:1005 NP2-7	11/21/15
BK51143-BLK1	Blank	11/21/15
BK51143-DUP1	Duplicate	11/21/15
BK51143-MS1	Matrix Spike	11/21/15
BK51143-SRM1	Reference	11/21/15

Batch ID: BK51330 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15K0713-01	WQ111715:1000 NP2-6	11/25/15
15K0713-02	WQ111715:1005 NP2-7	11/25/15
BK51330-BLK1	Blank	11/25/15
BK51330-BS1	LCS	11/25/15
BK51330-BSD1	LCS Dup	11/25/15

Batch ID: BL50018 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15K0711-01	WQ111715:1010 NP2:10	12/01/15
BL50018-BLK1	Blank	12/01/15
BL50018-BS1	LCS	12/01/15
BL50018-BSD1	LCS Dup	12/01/15



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

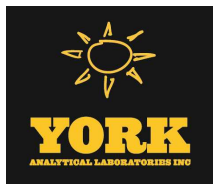
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK51330 - EPA 5030B

Blank (BK51330-BLK1)

Prepared: 11/25/2015 Analyzed: 11/26/2015

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	2.0	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	1.0	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK51330 - EPA 5030B

Blank (BK51330-BLK1)

Prepared: 11/25/2015 Analyzed: 11/26/2015

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

10.1

"

10.0

101

69-130

Surrogate: Toluene-d8

10.2

"

10.0

102

81-117

Surrogate: p-Bromofluorobenzene

11.1

"

10.0

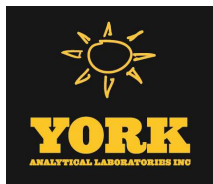
111

79-122

LCS (BK51330-BS1)

Prepared: 11/25/2015 Analyzed: 11/26/2015

1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126				
1,1,1-Trichloroethane	10.5		"	10.0		105	78-136				
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.84		"	10.0		98.4	54-165				
1,1,2-Trichloroethane	10.4		"	10.0		104	82-123				
1,1-Dichloroethane	10.7		"	10.0		107	82-129				
1,1-Dichloroethylene	10.8		"	10.0		108	68-138				
1,1-Dichloropropylene	10.3		"	10.0		103	83-133				
1,2,3-Trichlorobenzene	10.6		"	10.0		106	76-136				
1,2,3-Trichloropropane	10.1		"	10.0		101	77-128				
1,2,4-Trichlorobenzene	10.3		"	10.0		103	76-137				
1,2,4-Trimethylbenzene	12.2		"	10.0		122	82-132				
1,2-Dibromo-3-chloropropane	9.75		"	10.0		97.5	45-147				
1,2-Dibromoethane	9.62		"	10.0		96.2	83-124				
1,2-Dichlorobenzene	11.2		"	10.0		112	79-123				
1,2-Dichloroethane	9.90		"	10.0		99.0	73-132				
1,2-Dichloropropane	10.7		"	10.0		107	78-126				
1,3,5-Trimethylbenzene	12.4		"	10.0		124	80-131				
1,3-Dichlorobenzene	11.4		"	10.0		114	86-122				
1,3-Dichloropropane	9.93		"	10.0		99.3	81-125				
1,4-Dichlorobenzene	11.2		"	10.0		112	85-124				
2,2-Dichloropropane	9.22		"	10.0		92.2	56-150				
2-Chlorotoluene	11.6		"	10.0		116	79-130				
2-Hexanone	9.09		"	10.0		90.9	51-146				
4-Chlorotoluene	12.0		"	10.0		120	79-128				
Acetone	8.15		"	10.0		81.5	14-150				
Benzene	10.4		"	10.0		104	85-126				
Bromobenzene	11.6		"	10.0		116	78-129				
Bromochloromethane	10.9		"	10.0		109	77-128				
Bromodichloromethane	10.7		"	10.0		107	79-128				
Bromoform	9.65		"	10.0		96.5	78-133				
Bromomethane	12.1		"	10.0		121	43-168				
Carbon tetrachloride	10.5		"	10.0		105	77-141				
Chlorobenzene	10.6		"	10.0		106	88-120				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

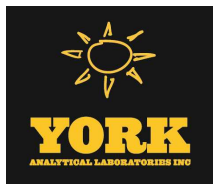
Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	
		Limit								Units	Level

Batch BK51330 - EPA 5030B

LCS (BK51330-BS1)

Prepared: 11/25/2015 Analyzed: 11/26/2015

Chloroethane	10.0		ug/L	10.0		100	65-136				
Chloroform	10.8		"	10.0		108	82-128				
Chloromethane	9.47		"	10.0		94.7	43-155				
cis-1,2-Dichloroethylene	10.7		"	10.0		107	83-129				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	80-131				
Dibromochloromethane	10.3		"	10.0		103	80-130				
Dibromomethane	10.1		"	10.0		101	72-134				
Dichlorodifluoromethane	10.1		"	10.0		101	44-144				
Ethyl Benzene	11.2		"	10.0		112	80-131				
Hexachlorobutadiene	10.6		"	10.0		106	67-146				
Isopropylbenzene	12.1		"	10.0		121	76-140				
Methyl tert-butyl ether (MTBE)	9.73		"	10.0		97.3	76-135				
Methylene chloride	10.8		"	10.0		108	55-137				
Naphthalene	8.96		"	10.0		89.6	70-147				
n-Butylbenzene	12.0		"	10.0		120	79-132				
n-Propylbenzene	11.9		"	10.0		119	78-133				
o-Xylene	11.0		"	10.0		110	78-130				
p- & m- Xylenes	22.7		"	20.0		114	77-133				
p-Isopropyltoluene	12.0		"	10.0		120	81-136				
sec-Butylbenzene	11.8		"	10.0		118	79-137				
Styrene	12.1		"	10.0		121	67-132				
tert-Butylbenzene	11.8		"	10.0		118	77-138				
Tetrachloroethylene	10.7		"	10.0		107	82-131				
Toluene	10.9		"	10.0		109	80-127				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	9.96		"	10.0		99.6	78-131				
Trichloroethylene	10.6		"	10.0		106	82-128				
Trichlorofluoromethane	10.6		"	10.0		106	67-139				
Vinyl Chloride	10.2		"	10.0		102	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.74</i>		<i>"</i>	<i>10.0</i>		<i>97.4</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK51330 - EPA 5030B											
LCS Dup (BK51330-BSD1)											
Prepared: 11/25/2015 Analyzed: 11/26/2015											
1,1,1,2-Tetrachloroethane	11.5		ug/L	10.0		115	82-126		7.03	30	
1,1,1-Trichloroethane	11.3		"	10.0		113	78-136		7.16	30	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	76-129		4.64	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	54-165		4.76	30	
1,1,2-Trichloroethane	11.1		"	10.0		111	82-123		6.14	30	
1,1-Dichloroethane	11.3		"	10.0		113	82-129		5.72	30	
1,1-Dichloroethylene	11.2		"	10.0		112	68-138		3.82	30	
1,1-Dichloropropylene	10.8		"	10.0		108	83-133		4.54	30	
1,2,3-Trichlorobenzene	12.8		"	10.0		128	76-136		18.7	30	
1,2,3-Trichloropropane	11.0		"	10.0		110	77-128		8.92	30	
1,2,4-Trichlorobenzene	11.7		"	10.0		117	76-137		12.8	30	
1,2,4-Trimethylbenzene	12.7		"	10.0		127	82-132		3.92	30	
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	45-147		6.74	30	
1,2-Dibromoethane	10.7		"	10.0		107	83-124		10.8	30	
1,2-Dichlorobenzene	11.7		"	10.0		117	79-123		4.46	30	
1,2-Dichloroethane	9.99		"	10.0		99.9	73-132		0.905	30	
1,2-Dichloropropane	11.2		"	10.0		112	78-126		4.76	30	
1,3,5-Trimethylbenzene	12.8		"	10.0		128	80-131		2.94	30	
1,3-Dichlorobenzene	11.9		"	10.0		119	86-122		4.20	30	
1,3-Dichloropropane	10.8		"	10.0		108	81-125		7.93	30	
1,4-Dichlorobenzene	11.9		"	10.0		119	85-124		6.40	30	
2,2-Dichloropropane	9.57		"	10.0		95.7	56-150		3.73	30	
2-Chlorotoluene	12.1		"	10.0		121	79-130		4.46	30	
2-Hexanone	9.95		"	10.0		99.5	51-146		9.03	30	
4-Chlorotoluene	12.4		"	10.0		124	79-128		3.43	30	
Acetone	8.90		"	10.0		89.0	14-150		8.80	30	
Benzene	11.0		"	10.0		110	85-126		4.95	30	
Bromobenzene	12.2		"	10.0		122	78-129		5.37	30	
Bromochloromethane	11.5		"	10.0		115	77-128		5.27	30	
Bromodichloromethane	11.4		"	10.0		114	79-128		5.97	30	
Bromoform	10.3		"	10.0		103	78-133		6.90	30	
Bromomethane	12.6		"	10.0		126	43-168		4.53	30	
Carbon tetrachloride	11.2		"	10.0		112	77-141		6.09	30	
Chlorobenzene	11.3		"	10.0		113	88-120		5.75	30	
Chloroethane	10.5		"	10.0		105	65-136		4.39	30	
Chloroform	11.3		"	10.0		113	82-128		5.25	30	
Chloromethane	9.77		"	10.0		97.7	43-155		3.12	30	
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129		2.76	30	
cis-1,3-Dichloropropylene	10.9		"	10.0		109	80-131		6.52	30	
Dibromochloromethane	11.2		"	10.0		112	80-130		8.66	30	
Dibromomethane	11.0		"	10.0		110	72-134		8.88	30	
Dichlorodifluoromethane	10.7		"	10.0		107	44-144		5.38	30	
Ethyl Benzene	12.0		"	10.0		120	80-131		6.39	30	
Hexachlorobutadiene	11.4		"	10.0		114	67-146		7.02	30	
Isopropylbenzene	12.4		"	10.0		124	76-140		2.29	30	
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	76-135		4.91	30	
Methylene chloride	11.6		"	10.0		116	55-137		7.33	30	
Naphthalene	11.2		"	10.0		112	70-147		21.8	30	
n-Butylbenzene	12.3		"	10.0		123	79-132		2.63	30	
n-Propylbenzene	12.2		"	10.0		122	78-133		2.08	30	
o-Xylene	11.7		"	10.0		117	78-130		5.46	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK51330 - EPA 5030B

LCS Dup (BK51330-BSD1)

Prepared: 11/25/2015 Analyzed: 11/26/2015

p- & m- Xylenes	24.0		ug/L	20.0		120	77-133			5.48	30
p-Isopropyltoluene	12.6		"	10.0		126	81-136			4.79	30
sec-Butylbenzene	12.2		"	10.0		122	79-137			3.58	30
Styrene	12.9		"	10.0		129	67-132			6.47	30
tert-Butylbenzene	12.3		"	10.0		123	77-138			4.23	30
Tetrachloroethylene	11.1		"	10.0		111	82-131			3.95	30
Toluene	11.6		"	10.0		116	80-127			6.40	30
trans-1,2-Dichloroethylene	10.9		"	10.0		109	80-132			4.69	30
trans-1,3-Dichloropropylene	10.7		"	10.0		107	78-131			7.16	30
Trichloroethylene	11.3		"	10.0		113	82-128			5.92	30
Trichlorofluoromethane	10.9		"	10.0		109	67-139			2.41	30
Vinyl Chloride	10.8		"	10.0		108	58-145			5.34	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.72</i>		<i>"</i>	<i>10.0</i>		<i>97.2</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>79-122</i>				

Batch BL50018 - EPA 5030B

Blank (BL50018-BLK1)

Prepared & Analyzed: 12/01/2015

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

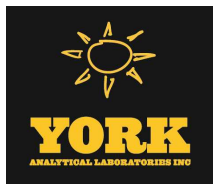
Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	Limit	Flag
		Limit		Level	Result	%REC			RPD		

Batch BL50018 - EPA 5030B

Blank (BL50018-BLK1)

Prepared & Analyzed: 12/01/2015

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	"								
<hr/>											
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.74</i>		<i>"</i>	<i>10.0</i>		<i>97.4</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BL50018 - EPA 5030B

LCS (BL50018-BS1)

Prepared & Analyzed: 12/01/2015

1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82-126			
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136			
1,1,2,2-Tetrachloroethane	9.65		"	10.0		96.5	76-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.81		"	10.0		98.1	54-165			
1,1,2-Trichloroethane	9.67		"	10.0		96.7	82-123			
1,1-Dichloroethane	10.8		"	10.0		108	82-129			
1,1-Dichloroethylene	10.2		"	10.0		102	68-138			
1,1-Dichloropropylene	10.0		"	10.0		100	83-133			
1,2,3-Trichlorobenzene	11.6		"	10.0		116	76-136			
1,2,3-Trichloropropane	9.47		"	10.0		94.7	77-128			
1,2,4-Trichlorobenzene	11.3		"	10.0		113	76-137			
1,2,4-Trimethylbenzene	11.6		"	10.0		116	82-132			
1,2-Dibromo-3-chloropropane	9.06		"	10.0		90.6	45-147			
1,2-Dibromoethane	9.78		"	10.0		97.8	83-124			
1,2-Dichlorobenzene	10.5		"	10.0		105	79-123			
1,2-Dichloroethane	9.78		"	10.0		97.8	73-132			
1,2-Dichloropropane	10.4		"	10.0		104	78-126			
1,3,5-Trimethylbenzene	11.3		"	10.0		113	80-131			
1,3-Dichlorobenzene	10.7		"	10.0		107	86-122			
1,3-Dichloropropane	9.93		"	10.0		99.3	81-125			
1,4-Dichlorobenzene	10.6		"	10.0		106	85-124			
2,2-Dichloropropane	11.2		"	10.0		112	56-150			
2-Chlorotoluene	11.0		"	10.0		110	79-130			
2-Hexanone	9.33		"	10.0		93.3	51-146			
4-Chlorotoluene	11.0		"	10.0		110	79-128			
Acetone	8.31		"	10.0		83.1	14-150			
Benzene	10.7		"	10.0		107	85-126			
Bromobenzene	10.9		"	10.0		109	78-129			
Bromochloromethane	10.5		"	10.0		105	77-128			
Bromodichloromethane	10.1		"	10.0		101	79-128			
Bromoform	9.31		"	10.0		93.1	78-133			
Bromomethane	6.76		"	10.0		67.6	43-168			
Carbon tetrachloride	10.1		"	10.0		101	77-141			
Chlorobenzene	10.5		"	10.0		105	88-120			
Chloroethane	10.3		"	10.0		103	65-136			
Chloroform	10.4		"	10.0		104	82-128			
Chloromethane	8.66		"	10.0		86.6	43-155			
cis-1,2-Dichloroethylene	10.9		"	10.0		109	83-129			
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131			
Dibromochloromethane	9.84		"	10.0		98.4	80-130			
Dibromomethane	9.49		"	10.0		94.9	72-134			
Dichlorodifluoromethane	8.42		"	10.0		84.2	44-144			
Ethyl Benzene	10.9		"	10.0		109	80-131			
Hexachlorobutadiene	10.9		"	10.0		109	67-146			
Isopropylbenzene	11.1		"	10.0		111	76-140			
Methyl tert-butyl ether (MTBE)	9.89		"	10.0		98.9	76-135			
Methylene chloride	10.1		"	10.0		101	55-137			
Naphthalene	11.2		"	10.0		112	70-147			
n-Butylbenzene	11.4		"	10.0		114	79-132			
n-Propylbenzene	11.2		"	10.0		112	78-133			
o-Xylene	10.8		"	10.0		108	78-130			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BL50018 - EPA 5030B

LCS (BL50018-BS1)

Prepared & Analyzed: 12/01/2015

p- & m- Xylenes	22.1		ug/L	20.0		111	77-133				
p-Isopropyltoluene	11.3		"	10.0		113	81-136				
sec-Butylbenzene	11.1		"	10.0		111	79-137				
Styrene	11.9		"	10.0		119	67-132				
tert-Butylbenzene	10.9		"	10.0		109	77-138				
Tetrachloroethylene	10.4		"	10.0		104	82-131				
Toluene	10.9		"	10.0		109	80-127				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	10.7		"	10.0		107	78-131				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	9.97		"	10.0		99.7	67-139				
Vinyl Chloride	9.81		"	10.0		98.1	58-145				
Surrogate: 1,2-Dichloroethane-d4	9.49		"	10.0		94.9	69-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				

LCS Dup (BL50018-BSD1)

Prepared & Analyzed: 12/01/2015

1,1,1,2-Tetrachloroethane	9.23		ug/L	10.0		92.3	82-126		11.9	30	
1,1,1-Trichloroethane	9.10		"	10.0		91.0	78-136		11.4	30	
1,1,2,2-Tetrachloroethane	9.06		"	10.0		90.6	76-129		6.31	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.83		"	10.0		88.3	54-165		10.5	30	
1,1,2-Trichloroethane	9.19		"	10.0		91.9	82-123		5.09	30	
1,1-Dichloroethane	9.54		"	10.0		95.4	82-129		11.9	30	
1,1-Dichloroethylene	9.08		"	10.0		90.8	68-138		11.4	30	
1,1-Dichloropropylene	9.12		"	10.0		91.2	83-133		9.70	30	
1,2,3-Trichlorobenzene	11.3		"	10.0		113	76-136		2.36	30	
1,2,3-Trichloropropane	8.92		"	10.0		89.2	77-128		5.98	30	
1,2,4-Trichlorobenzene	10.2		"	10.0		102	76-137		10.4	30	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132		13.7	30	
1,2-Dibromo-3-chloropropane	8.95		"	10.0		89.5	45-147		1.22	30	
1,2-Dibromoethane	9.35		"	10.0		93.5	83-124		4.50	30	
1,2-Dichlorobenzene	9.38		"	10.0		93.8	79-123		11.3	30	
1,2-Dichloroethane	8.88		"	10.0		88.8	73-132		9.65	30	
1,2-Dichloropropane	9.30		"	10.0		93.0	78-126		11.1	30	
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131		11.3	30	
1,3-Dichlorobenzene	9.43		"	10.0		94.3	86-122		12.8	30	
1,3-Dichloropropane	9.28		"	10.0		92.8	81-125		6.77	30	
1,4-Dichlorobenzene	9.45		"	10.0		94.5	85-124		11.6	30	
2,2-Dichloropropane	9.66		"	10.0		96.6	56-150		14.5	30	
2-Chlorotoluene	9.76		"	10.0		97.6	79-130		12.4	30	
2-Hexanone	9.29		"	10.0		92.9	51-146		0.430	30	
4-Chlorotoluene	9.75		"	10.0		97.5	79-128		12.1	30	
Acetone	8.84		"	10.0		88.4	14-150		6.18	30	
Benzene	9.28		"	10.0		92.8	85-126		14.5	30	
Bromobenzene	9.81		"	10.0		98.1	78-129		10.6	30	
Bromochloromethane	9.28		"	10.0		92.8	77-128		12.5	30	
Bromodichloromethane	9.11		"	10.0		91.1	79-128		10.0	30	
Bromoform	8.98		"	10.0		89.8	78-133		3.61	30	
Bromomethane	6.07		"	10.0		60.7	43-168		10.8	30	
Carbon tetrachloride	9.02		"	10.0		90.2	77-141		10.9	30	
Chlorobenzene	9.23		"	10.0		92.3	88-120		12.8	30	
Chloroethane	9.14		"	10.0		91.4	65-136		11.9	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BL50018 - EPA 5030B

LCS Dup (BL50018-BSD1)

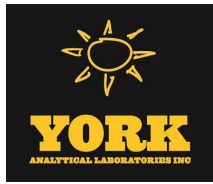
Prepared & Analyzed: 12/01/2015

Chloroform	9.17		ug/L	10.0		91.7	82-128		12.6	30	
Chloromethane	7.60		"	10.0		76.0	43-155		13.0	30	
cis-1,2-Dichloroethylene	9.15		"	10.0		91.5	83-129		17.5	30	
cis-1,3-Dichloropropylene	9.48		"	10.0		94.8	80-131		10.5	30	
Dibromochloromethane	9.20		"	10.0		92.0	80-130		6.72	30	
Dibromomethane	8.86		"	10.0		88.6	72-134		6.87	30	
Dichlorodifluoromethane	7.79		"	10.0		77.9	44-144		7.77	30	
Ethyl Benzene	9.67		"	10.0		96.7	80-131		12.1	30	
Hexachlorobutadiene	10.3		"	10.0		103	67-146		5.64	30	
Isopropylbenzene	9.88		"	10.0		98.8	76-140		11.3	30	
Methyl tert-butyl ether (MTBE)	9.25		"	10.0		92.5	76-135		6.69	30	
Methylene chloride	8.93		"	10.0		89.3	55-137		11.9	30	
Naphthalene	10.4		"	10.0		104	70-147		7.95	30	
n-Butylbenzene	10.2		"	10.0		102	79-132		11.5	30	
n-Propylbenzene	9.84		"	10.0		98.4	78-133		13.3	30	
o-Xylene	9.40		"	10.0		94.0	78-130		13.4	30	
p- & m- Xylenes	19.5		"	20.0		97.4	77-133		12.7	30	
p-Isopropyltoluene	10.0		"	10.0		100	81-136		12.5	30	
sec-Butylbenzene	9.80		"	10.0		98.0	79-137		12.5	30	
Styrene	10.6		"	10.0		106	67-132		11.8	30	
tert-Butylbenzene	9.73		"	10.0		97.3	77-138		11.6	30	
Tetrachloroethylene	9.42		"	10.0		94.2	82-131		9.70	30	
Toluene	9.53		"	10.0		95.3	80-127		13.3	30	
trans-1,2-Dichloroethylene	8.98		"	10.0		89.8	80-132		14.2	30	
trans-1,3-Dichloropropylene	9.67		"	10.0		96.7	78-131		9.74	30	
Trichloroethylene	9.08		"	10.0		90.8	82-128		11.0	30	
Trichlorofluoromethane	8.93		"	10.0		89.3	67-139		11.0	30	
Vinyl Chloride	8.59		"	10.0		85.9	58-145		13.3	30	
Surrogate: 1,2-Dichloroethane-d4	9.63		"	10.0		96.3	69-130				
Surrogate: Toluene-d8	9.95		"	10.0		99.5	81-117				
Surrogate: p-Bromofluorobenzene	10.4		"	10.0		104	79-122				



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 BK51142 - EPA 3015A											
Blank (BK51142-BLK1)										Prepared & Analyzed: 11/21/2015	
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BK51142-DUP1)										*Source sample: 15K0711-01 (WQ111715:1010 NP2:10) Prepared & Analyzed: 11/21/2015	
Iron - Dissolved	0.0648	0.0222	mg/L		0.0645				0.425	20	
Matrix Spike (BK51142-MS1)										*Source sample: 15K0711-01 (WQ111715:1010 NP2:10) Prepared & Analyzed: 11/21/2015	
Iron - Dissolved	1.24	0.0222	mg/L	1.11	0.0645	106	75-125				
Reference (BK51142-SRM1)										Prepared & Analyzed: 11/21/2015	
Iron - Dissolved	0.591		ug/mL	0.570		104	85.1-115.1				
Batch BK51143 - EPA 200.7											
Blank (BK51143-BLK1)										Prepared & Analyzed: 11/21/2015	
Iron	ND	0.0200	mg/L								
Duplicate (BK51143-DUP1)										*Source sample: 15K0713-02 (WQ111715:1005 NP2-7) Prepared & Analyzed: 11/21/2015	
Iron	0.790	0.0222	mg/L		0.778				1.45	20	
Matrix Spike (BK51143-MS1)										*Source sample: 15K0713-02 (WQ111715:1005 NP2-7) Prepared & Analyzed: 11/21/2015	
Iron	1.89	0.0222	mg/L	1.11	0.778	100	75-125				
Reference (BK51143-SRM1)										Prepared & Analyzed: 11/21/2015	
Iron	0.576		ug/mL	0.570		101	85.1-115.1				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

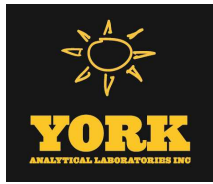
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK51127 - % Solids Prep

Blank (BK51127-BLK1)

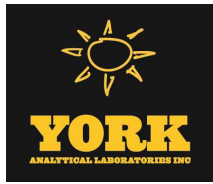
Prepared: 11/20/2015 Analyzed: 11/23/2015

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

Lab ID	Client Sample ID	Volatile Sample Container
15K0711-01	WQ111715:1010 NP2:10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15K0713-01	WQ111715:1000 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15K0713-02	WQ111715:1005 NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
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.
<hr/>	
*	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.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

YORK

ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

Page 1 of 1

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

York Project No. 15K0711

YOUR Information Company: <u>LBG</u> Address: <u>4 Research Dr, Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sandor</u> E-Mail Address: <u>TSandor@LBGCT.com</u>		Report To: Company: <u>Same</u> Address: <u>↓</u> Phone No. <u>↓</u> Attention: <u>↓</u> E-Mail Address: <u>↓</u>		Invoice To: Company: <u>Same</u> Address: <u>↓</u> Phone No. <u>↓</u> Attention: <u>↓</u> E-Mail Address: <u>↓</u>		YOUR Project ID <u>Rowe Industries.</u> Purchase Order No.: <u>NABSAG.</u> Samples from: CT <u>NY</u> X NJ		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		Report Type Summary Report <u>X, pdf</u> Summary w/ QA Summary <u>X, pdf</u> CT RCP Package _____ CTRCP DQA/DUE Pkg _____ NY ASP A Package _____ NY ASP B Package <u>NP2-40 only</u> , pdf. NJDEP Red. Deliv. _____ <u>Electronic Data Deliverables (EDD)</u> Simple Excel <u>X</u> NYSDEC EQUIS _____ EQUIS (std) _____ EZ-EDD (EQUIS) _____ NJDEP SRP HazSite EDD _____ GIS/KEY (std) _____ Other _____ York Regulatory Comparison _____ Excel Spreadsheet _____ Compare to the following (Reg. (please fill in): _____							
<p><i>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.</i></p> <p><u>[Signature]</u> Samples Collected/Authorized By (Signature) <u>Evan Foster</u> Name (printed)</p>				Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Volatiles 8260 full TICs 624 Site Spec STARS list BTEX Suffolk Co. MTBE Ketones TCL list Oxygenates TAGM list TCLP list CT RCP list 502.2 Arom. only NJDEP list Halog. only App. IX list 8021B list		Semi-Vols. 8270 or 625 STARS list BN Only Acids Only PAH list TAGM list Site Spec. NJDEP list CT RCP list SCLP or TCLP TCL list TCLP Pest NJDEP list SCLP or TCLP App. IX Chloridone 608 Pest SCLP or TCLP 608 PCD		Heavy Metals RCRA8 PP13 list TAL CT15 list TAGM list Total Dissolved SCLP or TCLP Ind. Metals LIST Below Helium		Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium		Full Lists Pd. Poll. TCL Organics TAL MetCN Full TCLP Full App. IX Part 360-Residue Part 360-Residue Part 360-Residue NYDEP Power NYSDEC Contam. TAGM		Misc. Conductivity Reactivity Ignitability Flash Point Sieve Anal. Heteroatoms TOX BTUMb. Aquatic Tox TOC Asbestos Silica	
Sample Identification		Date Sampled		Sample Matrix		Choose Analyses Needed from the Menu Above and Enter Below						Container Description(s)					
<u>WQ111715:1000 NP2-6</u>		<u>11-17-15</u>		<u>GW</u>		<u>Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SWP46-6010B) / VOCs, 8260 list (EPA SWP45-8260B) plus from 113</u>						<u>3vial, 3 plastic</u>					
<u>WQ111715:1005 NP2-7</u>		<u>↓</u>		<u>GW</u>		<u>Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SWP46-6010B) / VOCs, 8260 list (EPA SWP45-8260B) plus from 113 / TDS (3H 2540c)</u>						<u>3vial, 3 plastic</u>					
<u>WQ111715:1010 NP2-10</u>		<u>↓</u>		<u>GW</u>													
Comments		Preservation Check those Applicable Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>		4C <input checked="" type="checkbox"/> Frozen <input type="checkbox"/> HCl <input checked="" type="checkbox"/> MeOH <input type="checkbox"/> ZnAc Ascorbic Acid Other		BNO <input checked="" type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/>		Temperature on Receipt <u>3.3 °C</u>									
				<u>[Signature]</u> Samples Relinquished By <u>11/18/15 9:00</u> <u>Dalrat</u> 11/19/15		<u>LBG Filter</u> 11/18/15 9:00 Samples Received By <u>Proce</u> 11-19-15 1542 Samples Received in LAB by _____											

Rec'd at 11/19/15 2:30

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.

Page 1 of 1

York Project No. 15K0713

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type	
Company: <u>LBG</u>		Company: <u>Same</u>		Company: <u>Same</u>		Rowe Industries.		RUSH - Same Day <input type="checkbox"/>		Summary Report <u>X, pdf</u>	
Address: <u>4 Research Dr, Suite 301</u>		Address:		Address:		Purchase Order No.		RUSH - Next Day <input type="checkbox"/>		Summary w/ QA Summary <u>X, pdf</u>	
<u>Shelton, CT 06484</u>						<u>NAB3AG</u>		RUSH - Two Day <input type="checkbox"/>		CT RCP Package	
Phone No. <u>203-929-8555</u>		Phone No.		Phone No.				RUSH - Three Day <input type="checkbox"/>		CT RCP DQA/DUE Pkg	
Contact Person: <u>Tunde Sandor</u>		Attention:		Attention:				RUSH - Four Day <input type="checkbox"/>		NY ASP A Package	
E-Mail Address: <u>TSandor@LBGCT.com</u>		E-Mail Address:		E-Mail Address:		Samples from: CT <input type="checkbox"/> NY <input checked="" type="checkbox"/> NJ <input type="checkbox"/>		Standard(5-7 Days) <input checked="" type="checkbox"/>		NY ASP B Package <u>NP2-10 only, pdf.</u>	
										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.

[Signature]

Samples Collected/Authorized By (Signature)

Evan Foster

Name (printed)

Volatiles	Semi-Vols	PCBs	Metals	Misc. Org	Full Lists	Misc.
B260 full TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Prd.Poll.	Corrosivity
624 Site Spec	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organs	Reactivity
STARS list Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL MetCN	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-Extrac	Heteromultip
TAGM list TCLP list	CT RCP list	SPL or TCLP	Total	Air TO15	Part 360-Bestire	TOX
CT RCP list 524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Subst	BTU/Wh
Aroun. only 502.2	NJDEP list	TCLP Herb	SPL or TCLP	Air VPH	Part 360-Subst	Aquatic Tox.
Halog. only NJDEP list	App. IX	Chlordane	Instr. Metals	Air TICs	NYDEP Screen	TOC
App. IX list SPL or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYDECScreen	Asbestos
8021B list	SPL or TCLP	608 PCB	Helium	TAGM	Silica	

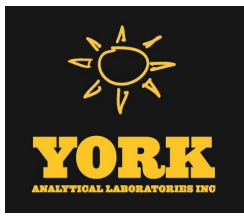
Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
<u>WQ111715:1000 NP2-6</u>	<u>11-17-15</u>	<u>GW</u>	<u>Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010B) / VOCs, P260 List (EPA SW 845-P260B) plus from 113</u>	<u>300a, 2 plastic</u>
<u>WQ111715:1005 NP2-7</u>	<u>↓</u>	<u>GW</u>	<u>Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010B) / VOCs, P260 List (EPA SW 845-P260A) plus from 113 / TO5 (SH 2540C)</u>	<u>"</u>
<u>WQ111715:1010 NP2-10</u>	<u>↓</u>	<u>GW</u>		<u>300a, 3 plastic</u>

Comments	Preservation <u>4°C</u> Frozen <input checked="" type="checkbox"/> HCl <input checked="" type="checkbox"/> MeOH <input checked="" type="checkbox"/> HNO ₃ <input checked="" type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/>
	Check those Applicable Special <u>Wet</u> ZnAc <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other <input type="checkbox"/>
	Instructions <u>11/18/15 900</u> LBG Frigor <u>11/18/15 900</u>
	Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/> Samples Relinquished By <u>Dalton</u> Date/Time <u>11/19/15</u> Samples Received By <u>Space</u> Date/Time <u>11-19-15 1542</u>
	Samples Relinquished By _____ Date/Time _____ Samples Received in LAB by _____ Date/Time _____

Rec'd by 11/19/15 2:30

Temperature on Receipt
3.3 °C

APPENDIX II
NOVEMBER 2015 LABORATORY ANALYTICAL REPORTS
FOR FSP&T AND FP&T RECOVERY WELLS



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 11/16/2015

Client Project ID: Rowe Industries

York Project (SDG) No.: 15K0319

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 11/16/2015
Client Project ID: Rowe Industries
York Project (SDG) No.: 15K0319

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 09, 2015 and listed below. The project was identified as your project: **Rowe Industries**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
15K0319-01	GWQ110515:1220NP1-1-2	Water	11/05/2015	11/09/2015

General Notes for York Project (SDG) No.: 15K0319

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

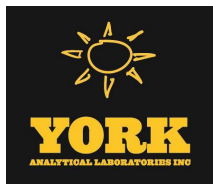
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 11/16/2015





Sample Information

Client Sample ID: GWQ110515:1220NP1-1-2

York Sample ID: 15K0319-01

<u>York Project (SDG) No.</u> 15K0319	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 5, 2015 12:20 pm	<u>Date Received</u> 11/09/2015
--	---	------------------------	--	------------------------------------

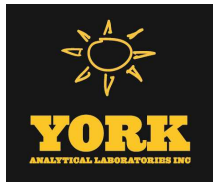
Volatile Organics, 8260 List - Low Level

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 Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS



Sample Information

Client Sample ID: GWQ110515:1220NP1-1-2

York Sample ID: 15K0319-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0319

Rowe Industries

Water

November 5, 2015 12:20 pm

11/09/2015

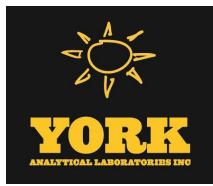
Volatile Organics, 8260 List - Low Level

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
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS



Sample Information

Client Sample ID: GWQ110515:1220NP1-1-2

York Sample ID: 15K0319-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0319

Rowe Industries

Water

November 5, 2015 12:20 pm

11/09/2015

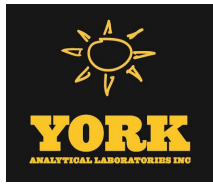
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	11/13/2015 10:11	11/13/2015 15:21	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	11/13/2015 10:11	11/13/2015 15:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
127-18-4	Tetrachloroethylene	0.28	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
79-01-6	Trichloroethylene	0.39	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	11/13/2015 10:11	11/13/2015 15:21	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: Toluene-d8	98.2 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	79-122								



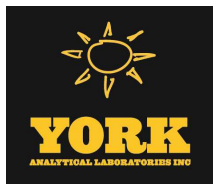
Analytical Batch Summary

Batch ID: BK50703

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
15K0319-01	GWQ110515:1220NP1-1-2	11/13/15
BK50703-BLK1	Blank	11/13/15
BK50703-BS1	LCS	11/13/15
BK50703-BSD1	LCS Dup	11/13/15



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK50703 - EPA 5030B

Blank (BK50703-BLK1)

Prepared & Analyzed: 11/13/2015

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK50703 - EPA 5030B

Blank (BK50703-BLK1)

Prepared & Analyzed: 11/13/2015

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

Surrogate: 1,2-Dichloroethane-d4

9.74

"

10.0

97.4

69-130

Surrogate: Toluene-d8

9.82

"

10.0

98.2

81-117

Surrogate: p-Bromofluorobenzene

10.2

"

10.0

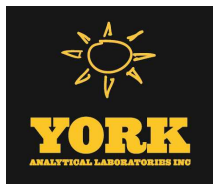
102

79-122

LCS (BK50703-BS1)

Prepared & Analyzed: 11/13/2015

1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126				
1,1,1-Trichloroethane	9.90		"	10.0		99.0	78-136				
1,1,2,2-Tetrachloroethane	9.58		"	10.0		95.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	54-165				
1,1,2-Trichloroethane	9.73		"	10.0		97.3	82-123				
1,1-Dichloroethane	10.4		"	10.0		104	82-129				
1,1-Dichloroethylene	9.77		"	10.0		97.7	68-138				
1,1-Dichloropropylene	9.99		"	10.0		99.9	83-133				
1,2,3-Trichlorobenzene	8.94		"	10.0		89.4	76-136				
1,2,3-Trichloropropane	8.82		"	10.0		88.2	77-128				
1,2,4-Trichlorobenzene	9.45		"	10.0		94.5	76-137				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132				
1,2-Dibromo-3-chloropropane	9.65		"	10.0		96.5	45-147				
1,2-Dibromoethane	9.56		"	10.0		95.6	83-124				
1,2-Dichlorobenzene	9.86		"	10.0		98.6	79-123				
1,2-Dichloroethane	9.31		"	10.0		93.1	73-132				
1,2-Dichloropropane	9.57		"	10.0		95.7	78-126				
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131				
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122				
1,3-Dichloropropane	9.57		"	10.0		95.7	81-125				
1,4-Dichlorobenzene	9.82		"	10.0		98.2	85-124				
2,2-Dichloropropane	10.2		"	10.0		102	56-150				
2-Chlorotoluene	9.79		"	10.0		97.9	79-130				
2-Hexanone	9.15		"	10.0		91.5	51-146				
4-Chlorotoluene	9.83		"	10.0		98.3	79-128				
Acetone	7.63		"	10.0		76.3	14-150				
Benzene	10.3		"	10.0		103	85-126				
Bromobenzene	9.91		"	10.0		99.1	78-129				
Bromochloromethane	10.9		"	10.0		109	77-128				
Bromodichloromethane	9.71		"	10.0		97.1	79-128				
Bromoform	11.1		"	10.0		111	78-133				
Bromomethane	9.69		"	10.0		96.9	43-168				
Carbon tetrachloride	13.0		"	10.0		130	77-141				
Chlorobenzene	9.58		"	10.0		95.8	88-120				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

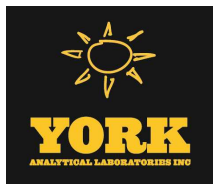
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK50703 - EPA 5030B

LCS (BK50703-BS1)

Prepared & Analyzed: 11/13/2015

Chloroethane	9.81		ug/L	10.0		98.1	65-136				
Chloroform	10.0		"	10.0		100	82-128				
Chloromethane	8.35		"	10.0		83.5	43-155				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	11.0		"	10.0		110	80-131				
Dibromochloromethane	10.5		"	10.0		105	80-130				
Dibromomethane	9.39		"	10.0		93.9	72-134				
Dichlorodifluoromethane	10.0		"	10.0		100	44-144				
Ethyl Benzene	10.1		"	10.0		101	80-131				
Hexachlorobutadiene	10.1		"	10.0		101	67-146				
Isopropylbenzene	9.94		"	10.0		99.4	76-140				
Methyl tert-butyl ether (MTBE)	9.59		"	10.0		95.9	76-135				
Methylene chloride	9.49		"	10.0		94.9	55-137				
Naphthalene	8.53		"	10.0		85.3	70-147				
n-Butylbenzene	10.2		"	10.0		102	79-132				
n-Propylbenzene	10.1		"	10.0		101	78-133				
o-Xylene	9.88		"	10.0		98.8	78-130				
p- & m- Xylenes	20.4		"	20.0		102	77-133				
p-Isopropyltoluene	10.0		"	10.0		100	81-136				
sec-Butylbenzene	9.88		"	10.0		98.8	79-137				
Styrene	10.9		"	10.0		109	67-132				
tert-Butylbenzene	9.75		"	10.0		97.5	77-138				
Tetrachloroethylene	8.27		"	10.0		82.7	82-131				
Toluene	9.99		"	10.0		99.9	80-127				
trans-1,2-Dichloroethylene	9.91		"	10.0		99.1	80-132				
trans-1,3-Dichloropropylene	11.1		"	10.0		111	78-131				
Trichloroethylene	8.60		"	10.0		86.0	82-128				
Trichlorofluoromethane	9.72		"	10.0		97.2	67-139				
Vinyl Chloride	10.1		"	10.0		101	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.50</i>		<i>"</i>	<i>10.0</i>		<i>95.0</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.88</i>		<i>"</i>	<i>10.0</i>		<i>98.8</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.91</i>		<i>"</i>	<i>10.0</i>		<i>99.1</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK50703 - EPA 5030B											
LCS Dup (BK50703-BSD1)											
Prepared & Analyzed: 11/13/2015											
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126		1.40	30	
1,1,1-Trichloroethane	9.88		"	10.0		98.8	78-136		0.202	30	
1,1,2,2-Tetrachloroethane	9.57		"	10.0		95.7	76-129		0.104	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	54-165		1.34	30	
1,1,2-Trichloroethane	9.75		"	10.0		97.5	82-123		0.205	30	
1,1-Dichloroethane	10.4		"	10.0		104	82-129		0.673	30	
1,1-Dichloroethylene	9.73		"	10.0		97.3	68-138		0.410	30	
1,1-Dichloropropylene	9.81		"	10.0		98.1	83-133		1.82	30	
1,2,3-Trichlorobenzene	9.62		"	10.0		96.2	76-136		7.33	30	
1,2,3-Trichloropropane	8.86		"	10.0		88.6	77-128		0.452	30	
1,2,4-Trichlorobenzene	9.19		"	10.0		91.9	76-137		2.79	30	
1,2,4-Trimethylbenzene	9.68		"	10.0		96.8	82-132		4.35	30	
1,2-Dibromo-3-chloropropane	9.47		"	10.0		94.7	45-147		1.88	30	
1,2-Dibromoethane	9.57		"	10.0		95.7	83-124		0.105	30	
1,2-Dichlorobenzene	9.49		"	10.0		94.9	79-123		3.82	30	
1,2-Dichloroethane	9.89		"	10.0		98.9	73-132		6.04	30	
1,2-Dichloropropane	9.60		"	10.0		96.0	78-126		0.313	30	
1,3,5-Trimethylbenzene	9.70		"	10.0		97.0	80-131		4.83	30	
1,3-Dichlorobenzene	9.52		"	10.0		95.2	86-122		4.92	30	
1,3-Dichloropropane	9.53		"	10.0		95.3	81-125		0.419	30	
1,4-Dichlorobenzene	9.51		"	10.0		95.1	85-124		3.21	30	
2,2-Dichloropropane	10.1		"	10.0		101	56-150		0.591	30	
2-Chlorotoluene	9.27		"	10.0		92.7	79-130		5.46	30	
2-Hexanone	9.43		"	10.0		94.3	51-146		3.01	30	
4-Chlorotoluene	9.38		"	10.0		93.8	79-128		4.69	30	
Acetone	7.36		"	10.0		73.6	14-150		3.60	30	
Benzene	10.4		"	10.0		104	85-126		0.774	30	
Bromobenzene	9.55		"	10.0		95.5	78-129		3.70	30	
Bromochloromethane	11.2		"	10.0		112	77-128		2.36	30	
Bromodichloromethane	9.55		"	10.0		95.5	79-128		1.66	30	
Bromoform	11.4		"	10.0		114	78-133		2.76	30	
Bromomethane	10.5		"	10.0		105	43-168		7.74	30	
Carbon tetrachloride	12.9		"	10.0		129	77-141		0.773	30	
Chlorobenzene	9.35		"	10.0		93.5	88-120		2.43	30	
Chloroethane	9.74		"	10.0		97.4	65-136		0.716	30	
Chloroform	10.1		"	10.0		101	82-128		1.39	30	
Chloromethane	8.44		"	10.0		84.4	43-155		1.07	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	83-129		0.881	30	
cis-1,3-Dichloropropylene	10.8		"	10.0		108	80-131		2.11	30	
Dibromochloromethane	10.5		"	10.0		105	80-130		0.476	30	
Dibromomethane	9.73		"	10.0		97.3	72-134		3.56	30	
Dichlorodifluoromethane	9.93		"	10.0		99.3	44-144		0.802	30	
Ethyl Benzene	9.71		"	10.0		97.1	80-131		3.64	30	
Hexachlorobutadiene	9.37		"	10.0		93.7	67-146		7.30	30	
Isopropylbenzene	9.36		"	10.0		93.6	76-140		6.01	30	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	76-135		4.58	30	
Methylene chloride	9.63		"	10.0		96.3	55-137		1.46	30	
Naphthalene	8.42		"	10.0		84.2	70-147		1.30	30	
n-Butylbenzene	9.56		"	10.0		95.6	79-132		6.48	30	
n-Propylbenzene	9.40		"	10.0		94.0	78-133		6.88	30	
o-Xylene	9.44		"	10.0		94.4	78-130		4.55	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

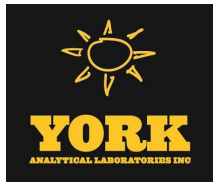
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK50703 - EPA 5030B

LCS Dup (BK50703-BSD1)

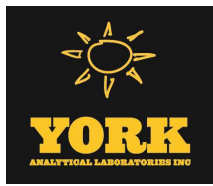
Prepared & Analyzed: 11/13/2015

p- & m- Xylenes	19.6		ug/L	20.0		97.9	77-133		4.15	30	
p-Isopropyltoluene	9.36		"	10.0		93.6	81-136		6.91	30	
sec-Butylbenzene	9.25		"	10.0		92.5	79-137		6.59	30	
Styrene	10.6		"	10.0		106	67-132		2.05	30	
tert-Butylbenzene	9.16		"	10.0		91.6	77-138		6.24	30	
Tetrachloroethylene	8.01		"	10.0		80.1	82-131	Low Bias	3.19	30	
Toluene	9.75		"	10.0		97.5	80-127		2.43	30	
trans-1,2-Dichloroethylene	9.82		"	10.0		98.2	80-132		0.912	30	
trans-1,3-Dichloropropylene	11.3		"	10.0		113	78-131		1.07	30	
Trichloroethylene	8.26		"	10.0		82.6	82-128		4.03	30	
Trichlorofluoromethane	9.56		"	10.0		95.6	67-139		1.66	30	
Vinyl Chloride	9.94		"	10.0		99.4	58-145		1.40	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.73</i>		<i>"</i>	<i>10.0</i>		<i>97.3</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.70</i>		<i>"</i>	<i>10.0</i>		<i>97.0</i>	<i>79-122</i>				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15K0319-01	GWQ110515:1220NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

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

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

YORK

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

Field Chain-of-Custody Record

Page 1 of 1

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

York Project No. 15K0319

YOUR Information Company: <u>LB&E</u> Address: <u>4 Research Dr. Suite 301 Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sandor</u> E-Mail Address: <u>T.Sandor@LB&E.com</u>	Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____	Invoice To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____	YOUR Project ID <u>Rowe Industries.</u> Purchase Order No. <u>MABSA6</u>	Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>	Report Type Summary Report <input checked="" type="checkbox"/> Summary w/ QA Summary <input checked="" type="checkbox"/> CT RCP Package <input type="checkbox"/> CT RCP DQADUE Pkg <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input checked="" type="checkbox"/> NIDEP Red. Deliv. <input type="checkbox"/> Electronic Data Deliverables (EDD) <input type="checkbox"/> Simple Excel <input checked="" type="checkbox"/> NYSDEC EQuls <input type="checkbox"/> EQuls (std) <input type="checkbox"/> EZ-EDD (EQuls) <input type="checkbox"/> NIDEP SRP HazSite EDD <input type="checkbox"/> GIS/KEY (std) <input type="checkbox"/> Other _____ York Regulatory Comparison <input type="checkbox"/> Excel Spreadsheet <input type="checkbox"/> Complete to the following. Sign. (please fill in) _____
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Print Clearly and Legibly. All information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

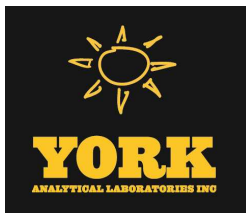
Crew
 Samples Collected/Authorized By (Signature)
Evan Foster
 Name (printed)

Volatiles 8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list	Semi-Vols. Perfluorinated 8270 & 625 STARS list BN Only PAH list TAGM list CT RCP list TCL list NIDEP list App. IX Chloroac SELPerTCLP	Metals RCRA8 PP15 list TAL CT15 list TAGM list NIDEP list Dissolved SELPerTCLP TCLP Herb App. IX 608 Pest 608 PCB	Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Medicane Helium TAGM Silica
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Matrix Codes S - soil Other - specify (oil, etc) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor	Sample Matrix <u>GW</u>	Date Sampled <u>11-5-15</u>	Sample Identification <u>GW110515-020 NPI-1-2</u>	Choose Analyses Needed from the Menu Above and Enter Below <u>VOC 8260 full list (EPA SW846-8260) plus from 113</u>	Container Description(s) <u>3 UOA's</u>
--	----------------------------	--------------------------------	--	--	--

Comments Preservation Check those Applicable Special Instructions Lab to Filter <input type="checkbox"/> Lab to Filter <input type="checkbox"/>	4°C <input type="checkbox"/> Frozen <input type="checkbox"/> HCl <input type="checkbox"/> MeOH <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other _____	Samples Relinquished By <u>[Signature]</u> Date/Time <u>11/6/15 1400</u> Samples Relinquished in L.A.B. by <u>[Signature]</u> Date/Time <u>11-9-15 1501</u>	Temperature on Receipt <u>4.3</u> °C
--	---	--	--------------------------------------

Check at 11/9/15 13:49
 (RW & FKW)



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 11/13/2015

Client Project ID: Rowe Industries

York Project (SDG) No.: 15K0320

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 11/13/2015
Client Project ID: Rowe Industries
York Project (SDG) No.: 15K0320

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 09, 2015 and listed below. The project was identified as your project: **Rowe Industries**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
15K0320-01	WQ110515:1300FRW-1	Water	11/05/2015	11/09/2015
15K0320-02	WQ110515:1305FRW-2	Water	11/05/2015	11/09/2015
15K0320-03	WQ110515:1310FRW-3	Water	11/05/2015	11/09/2015
15K0320-04	WQ110515:1315FRW-4	Water	11/05/2015	11/09/2015

General Notes for York Project (SDG) No.: 15K0320

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 11/13/2015





Sample Information

Client Sample ID: WQ110515:1300FRW-1

York Sample ID: 15K0320-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
15K0320	Rowe Industries	Water	November 5, 2015 1:00 pm	11/09/2015

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 Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
71-55-6	1,1,1-Trichloroethane	0.78		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS



Sample Information

Client Sample ID: WQ110515:1300FRW-1

York Sample ID: 15K0320-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0320

Rowe Industries

Water

November 5, 2015 1:00 pm

11/09/2015

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
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
67-64-1	Acetone	1.8	SCAL-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
156-59-2	cis-1,2-Dichloroethylene	29		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS



Sample Information

Client Sample ID: WQ110515:1300FRW-1

York Sample ID: 15K0320-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0320

Rowe Industries

Water

November 5, 2015 1:00 pm

11/09/2015

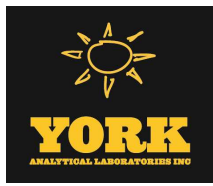
Volatile Organics, 8260 List - Low Level

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
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	11/12/2015 08:20	11/12/2015 17:00	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	11/12/2015 08:20	11/12/2015 17:00	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
127-18-4	Tetrachloroethylene	53		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
79-01-6	Trichloroethylene	3.6		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
75-01-4	Vinyl Chloride	0.76		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	11/12/2015 08:20	11/12/2015 17:00	SS
	Surrogate Recoveries	Result						Acceptance Range			
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %						69-130			
2037-26-5	Surrogate: Toluene-d8	96.1 %						81-117			
460-00-4	Surrogate: p-Bromofluorobenzene	106 %						79-122			



Sample Information

Client Sample ID: WQ110515:1305FRW-2

York Sample ID: 15K0320-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0320

Rowe Industries

Water

November 5, 2015 1:05 pm

11/09/2015

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 Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS



Sample Information

Client Sample ID: WQ110515:1305FRW-2

York Sample ID: 15K0320-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0320

Rowe Industries

Water

November 5, 2015 1:05 pm

11/09/2015

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
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
67-64-1	Acetone	1.4	SCAL-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
156-59-2	cis-1,2-Dichloroethylene	3.1		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS



Sample Information

Client Sample ID: WQ110515:1305FRW-2

York Sample ID: 15K0320-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0320

Rowe Industries

Water

November 5, 2015 1:05 pm

11/09/2015

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	11/12/2015 08:20	11/12/2015 17:26	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	11/12/2015 08:20	11/12/2015 17:26	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
127-18-4	Tetrachloroethylene	49		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
79-01-6	Trichloroethylene	4.2		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	11/12/2015 08:20	11/12/2015 17:26	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	69-130
2037-26-5	Surrogate: Toluene-d8	94.7 %	81-117
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	79-122



Sample Information

Client Sample ID: WQ110515:1310FRW-3

York Sample ID: 15K0320-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0320

Rowe Industries

Water

November 5, 2015 1:10 pm

11/09/2015

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 Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
71-55-6	1,1,1-Trichloroethane	0.30	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
108-67-8	1,3,5-Trimethylbenzene	0.29	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS



Sample Information

Client Sample ID: WQ110515:1310FRW-3

York Sample ID: 15K0320-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0320

Rowe Industries

Water

November 5, 2015 1:10 pm

11/09/2015

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
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
67-64-1	Acetone	1.0	SCAL-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
156-59-2	cis-1,2-Dichloroethylene	49		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
98-82-8	Isopropylbenzene	0.49	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS



Sample Information

Client Sample ID: WQ110515:1310FRW-3

York Sample ID: 15K0320-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0320

Rowe Industries

Water

November 5, 2015 1:10 pm

11/09/2015

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
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
103-65-1	n-Propylbenzene	0.22	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	11/12/2015 08:20	11/12/2015 17:53	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	11/12/2015 08:20	11/12/2015 17:53	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
127-18-4	Tetrachloroethylene	30		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
79-01-6	Trichloroethylene	3.6		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
75-01-4	Vinyl Chloride	0.41	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	11/12/2015 08:20	11/12/2015 17:53	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	95.0 %			69-130						
2037-26-5	Surrogate: Toluene-d8	99.5 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	120 %			79-122						



Sample Information

Client Sample ID: WQ110515:1315FRW-4

York Sample ID: 15K0320-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0320

Rowe Industries

Water

November 5, 2015 1:15 pm

11/09/2015

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 Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS



Sample Information

Client Sample ID: WQ110515:1315FRW-4

York Sample ID: 15K0320-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0320

Rowe Industries

Water

November 5, 2015 1:15 pm

11/09/2015

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
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS



Sample Information

Client Sample ID: WQ110515:1315FRW-4

York Sample ID: 15K0320-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0320

Rowe Industries

Water

November 5, 2015 1:15 pm

11/09/2015

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

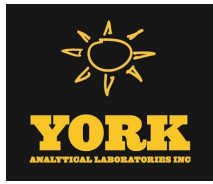
CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	11/12/2015 08:20	11/12/2015 18:19	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	11/12/2015 08:20	11/12/2015 18:19	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
127-18-4	Tetrachloroethylene	0.87		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	11/12/2015 08:20	11/12/2015 18:19	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	69-130
2037-26-5	Surrogate: Toluene-d8	97.7 %	81-117
460-00-4	Surrogate: p-Bromofluorobenzene	106 %	79-122



Analytical Batch Summary

Batch ID: BK50634

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
15K0320-01	WQ110515:1300FRW-1	11/12/15
15K0320-02	WQ110515:1305FRW-2	11/12/15
15K0320-03	WQ110515:1310FRW-3	11/12/15
15K0320-04	WQ110515:1315FRW-4	11/12/15
BK50634-BLK1	Blank	11/12/15
BK50634-BS1	LCS	11/12/15
BK50634-BSD1	LCS Dup	11/12/15



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

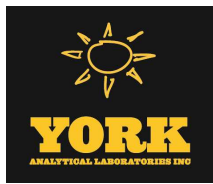
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK50634 - EPA 5030B

Blank (BK50634-BLK1)

Prepared & Analyzed: 11/12/2015

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	1.0	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK50634 - EPA 5030B

Blank (BK50634-BLK1)

Prepared & Analyzed: 11/12/2015

p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.73		"	10.0		97.3		69-130			
<i>Surrogate: Toluene-d8</i>	9.94		"	10.0		99.4		81-117			
<i>Surrogate: p-Bromofluorobenzene</i>	10.6		"	10.0		106		79-122			

LCS (BK50634-BS1)

Prepared & Analyzed: 11/12/2015

1,1,1,2-Tetrachloroethane	11.2		ug/L	10.0		112		82-126			
1,1,1-Trichloroethane	10.1		"	10.0		101		78-136			
1,1,2,2-Tetrachloroethane	9.87		"	10.0		98.7		76-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101		54-165			
1,1,2-Trichloroethane	9.79		"	10.0		97.9		82-123			
1,1-Dichloroethane	10.5		"	10.0		105		82-129			
1,1-Dichloroethylene	9.88		"	10.0		98.8		68-138			
1,1-Dichloropropylene	9.98		"	10.0		99.8		83-133			
1,2,3-Trichlorobenzene	9.75		"	10.0		97.5		76-136			
1,2,3-Trichloropropane	9.90		"	10.0		99.0		77-128			
1,2,4-Trichlorobenzene	9.82		"	10.0		98.2		76-137			
1,2,4-Trimethylbenzene	10.7		"	10.0		107		82-132			
1,2-Dibromo-3-chloropropane	9.49		"	10.0		94.9		45-147			
1,2-Dibromoethane	9.79		"	10.0		97.9		83-124			
1,2-Dichlorobenzene	9.96		"	10.0		99.6		79-123			
1,2-Dichloroethane	9.60		"	10.0		96.0		73-132			
1,2-Dichloropropane	10.2		"	10.0		102		78-126			
1,3,5-Trimethylbenzene	10.7		"	10.0		107		80-131			
1,3-Dichlorobenzene	10.3		"	10.0		103		86-122			
1,3-Dichloropropane	9.82		"	10.0		98.2		81-125			
1,4-Dichlorobenzene	10.3		"	10.0		103		85-124			
2,2-Dichloropropane	10.5		"	10.0		105		56-150			
2-Chlorotoluene	10.4		"	10.0		104		79-130			
2-Hexanone	9.09		"	10.0		90.9		51-146			
4-Chlorotoluene	10.4		"	10.0		104		79-128			
Acetone	7.36		"	10.0		73.6		14-150			
Benzene	10.5		"	10.0		105		85-126			
Bromobenzene	10.3		"	10.0		103		78-129			
Bromochloromethane	10.8		"	10.0		108		77-128			
Bromodichloromethane	10.2		"	10.0		102		79-128			
Bromoform	11.4		"	10.0		114		78-133			
Bromomethane	10.6		"	10.0		106		43-168			
Carbon tetrachloride	13.0		"	10.0		130		77-141			
Chlorobenzene	10.1		"	10.0		101		88-120			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK50634 - EPA 5030B

LCS (BK50634-BS1)

Prepared & Analyzed: 11/12/2015

Chloroethane	9.63		ug/L	10.0		96.3	65-136				
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	8.76		"	10.0		87.6	43-155				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129				
cis-1,3-Dichloropropylene	11.3		"	10.0		113	80-131				
Dibromochloromethane	10.8		"	10.0		108	80-130				
Dibromomethane	9.93		"	10.0		99.3	72-134				
Dichlorodifluoromethane	9.60		"	10.0		96.0	44-144				
Ethyl Benzene	10.5		"	10.0		105	80-131				
Hexachlorobutadiene	10.6		"	10.0		106	67-146				
Isopropylbenzene	10.4		"	10.0		104	76-140				
Methyl tert-butyl ether (MTBE)	9.62		"	10.0		96.2	76-135				
Methylene chloride	9.89		"	10.0		98.9	55-137				
Naphthalene	8.51		"	10.0		85.1	70-147				
n-Butylbenzene	10.6		"	10.0		106	79-132				
n-Propylbenzene	10.5		"	10.0		105	78-133				
o-Xylene	10.3		"	10.0		103	78-130				
p- & m- Xylenes	21.5		"	20.0		107	77-133				
p-Isopropyltoluene	10.5		"	10.0		105	81-136				
sec-Butylbenzene	10.4		"	10.0		104	79-137				
Styrene	11.2		"	10.0		112	67-132				
tert-Butylbenzene	10.3		"	10.0		103	77-138				
Tetrachloroethylene	8.70		"	10.0		87.0	82-131				
Toluene	10.5		"	10.0		105	80-127				
trans-1,2-Dichloroethylene	9.97		"	10.0		99.7	80-132				
trans-1,3-Dichloropropylene	11.7		"	10.0		117	78-131				
Trichloroethylene	8.94		"	10.0		89.4	82-128				
Trichlorofluoromethane	9.89		"	10.0		98.9	67-139				
Vinyl Chloride	10.1		"	10.0		101	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.70</i>		<i>"</i>	<i>10.0</i>		<i>97.0</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK50634 - EPA 5030B											
LCS Dup (BK50634-BSD1)											
Prepared & Analyzed: 11/12/2015											
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126		2.52	30	
1,1,1-Trichloroethane	10.0		"	10.0		100	78-136		0.892	30	
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	76-129		1.41	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165		0.886	30	
1,1,2-Trichloroethane	10.0		"	10.0		100	82-123		2.42	30	
1,1-Dichloroethane	10.1		"	10.0		101	82-129		3.60	30	
1,1-Dichloroethylene	9.67		"	10.0		96.7	68-138		2.15	30	
1,1-Dichloropropylene	10.2		"	10.0		102	83-133		1.79	30	
1,2,3-Trichlorobenzene	10.7		"	10.0		107	76-136		9.20	30	
1,2,3-Trichloropropane	4.93		"	10.0		49.3	77-128	Low Bias	67.0	30	Non-dir.
1,2,4-Trichlorobenzene	10.2		"	10.0		102	76-137		3.50	30	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132		5.47	30	
1,2-Dibromo-3-chloropropane	9.73		"	10.0		97.3	45-147		2.50	30	
1,2-Dibromoethane	9.81		"	10.0		98.1	83-124		0.204	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		0.601	30	
1,2-Dichloroethane	9.99		"	10.0		99.9	73-132		3.98	30	
1,2-Dichloropropane	9.93		"	10.0		99.3	78-126		2.88	30	
1,3,5-Trimethylbenzene	10.0		"	10.0		100	80-131		6.65	30	
1,3-Dichlorobenzene	9.92		"	10.0		99.2	86-122		3.66	30	
1,3-Dichloropropane	9.94		"	10.0		99.4	81-125		1.21	30	
1,4-Dichlorobenzene	9.94		"	10.0		99.4	85-124		3.75	30	
2,2-Dichloropropane	10.1		"	10.0		101	56-150		3.11	30	
2-Chlorotoluene	9.81		"	10.0		98.1	79-130		5.84	30	
2-Hexanone	9.45		"	10.0		94.5	51-146		3.88	30	
4-Chlorotoluene	9.94		"	10.0		99.4	79-128		4.91	30	
Acetone	7.63		"	10.0		76.3	14-150		3.60	30	
Benzene	10.3		"	10.0		103	85-126		1.83	30	
Bromobenzene	10.0		"	10.0		100	78-129		2.46	30	
Bromochloromethane	11.0		"	10.0		110	77-128		2.29	30	
Bromodichloromethane	10.0		"	10.0		100	79-128		1.38	30	
Bromoform	11.7		"	10.0		117	78-133		2.16	30	
Bromomethane	11.0		"	10.0		110	43-168		4.26	30	
Carbon tetrachloride	13.0		"	10.0		130	77-141		0.0767	30	
Chlorobenzene	9.84		"	10.0		98.4	88-120		2.61	30	
Chloroethane	9.48		"	10.0		94.8	65-136		1.57	30	
Chloroform	10.1		"	10.0		101	82-128		2.36	30	
Chloromethane	8.92		"	10.0		89.2	43-155		1.81	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	83-129		0.579	30	
cis-1,3-Dichloropropylene	11.3		"	10.0		113	80-131		0.266	30	
Dibromochloromethane	10.9		"	10.0		109	80-130		1.01	30	
Dibromomethane	9.99		"	10.0		99.9	72-134		0.602	30	
Dichlorodifluoromethane	9.68		"	10.0		96.8	44-144		0.830	30	
Ethyl Benzene	10.2		"	10.0		102	80-131		3.58	30	
Hexachlorobutadiene	10.0		"	10.0		100	67-146		5.54	30	
Isopropylbenzene	9.91		"	10.0		99.1	76-140		5.11	30	
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	76-135		4.97	30	
Methylene chloride	9.97		"	10.0		99.7	55-137		0.806	30	
Naphthalene	10.2		"	10.0		102	70-147		18.5	30	
n-Butylbenzene	10.1		"	10.0		101	79-132		4.93	30	
n-Propylbenzene	9.92		"	10.0		99.2	78-133		5.87	30	
o-Xylene	9.98		"	10.0		99.8	78-130		2.77	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK50634 - EPA 5030B

LCS Dup (BK50634-BSD1)

Prepared & Analyzed: 11/12/2015

p- & m- Xylenes	20.7		ug/L	20.0		103	77-133		3.80	30	
p-Isopropyltoluene	9.93		"	10.0		99.3	81-136		5.20	30	
sec-Butylbenzene	9.79		"	10.0		97.9	79-137		5.56	30	
Styrene	11.2		"	10.0		112	67-132		0.179	30	
tert-Butylbenzene	9.70		"	10.0		97.0	77-138		6.19	30	
Tetrachloroethylene	8.39		"	10.0		83.9	82-131		3.63	30	
Toluene	10.1		"	10.0		101	80-127		3.58	30	
trans-1,2-Dichloroethylene	9.86		"	10.0		98.6	80-132		1.11	30	
trans-1,3-Dichloropropylene	11.5		"	10.0		115	78-131		1.47	30	
Trichloroethylene	8.72		"	10.0		87.2	82-128		2.49	30	
Trichlorofluoromethane	9.94		"	10.0		99.4	67-139		0.504	30	
Vinyl Chloride	9.98		"	10.0		99.8	58-145		1.29	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.89</i>		<i>"</i>	<i>10.0</i>		<i>98.9</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.77</i>		<i>"</i>	<i>10.0</i>		<i>97.7</i>	<i>79-122</i>				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15K0320-01	WQ110515:1300FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15K0320-02	WQ110515:1305FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15K0320-03	WQ110515:1310FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15K0320-04	WQ110515:1315FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

- SCAL-E The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
- QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

-
- * 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.

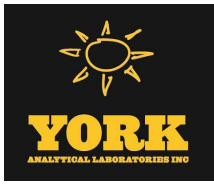
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

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.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



YORK

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

Field Chain-of-Custody Record

Page 1 of 1

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

York Project No. 15K0320

YOUR Information Company: <u>LB6</u> Address: <u>4 Research Dr Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sandor</u> E-Mail Address: <u>T.Sandor@LB6CT.com</u>		Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR Project ID <u>Rowe Industries.</u> Purchase Order No. <u>NABSA6</u> Samples from: CT <input type="checkbox"/> NY <input checked="" type="checkbox"/> NJ <input type="checkbox"/>		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		Report Type Summary Report <input checked="" type="checkbox"/> pdf Summary w/ QA Summary <input checked="" type="checkbox"/> pdf CT RCP Package CTRCP DQ/DUE Pkg NY ASP A Package NY ASP B Package <input checked="" type="checkbox"/> pdf NJDEP Red. Deliv. Electronic Data Deliverables (EDD)	
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Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

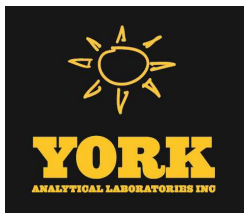
[Signature]
 Samples Collected/Authorized By (Signature)
Evan Foster
 Name (printed)

Matrix Codes	Volatiles	Semi-Volatiles	Metals	Misc. Org.	Full Lists	Misc.
8260 full 624	TICS Site Spec. Nassau Co. Suffolk Co.	8082 PCB 8081 Pest 815 Herb CT RCP Acids Only PAH list TAQM list Site Spec. SPE or TCLP	RCRAS PP13 list TAL CT15 list TAGM list NJDEP list Total Dissolved SPE or TCLP Chloroform 608 Pest 608 PCB	TPH GRO TPH DR0 CT EPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Heptane	Ph. Poll TCL OQRS TAL MEDCN Full TCLP Full App. IX Per 300 Residue Per 300 Lead Per 300 Asbestos NYCLP Sewer NYCLP Sewer NYCLP Sewer TAGM Silica	Commissary Reactivity Ignitability Flash Point Sludge Anal. Heretoxographs TOX BTU/E Aqueous Tox NYCLP Sewer NYCLP Sewer Ashes TAGM Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ110515:1800FRW-1	11-5-15	GW	VOC 8260 full list (EPA SW 846-8260) plus from 113	3 VOC's
WQ110515:1305FRW-2				
WQ110515:1310FRW-3				
WQ110515:1315FRW-4				

Comments Preservation <input type="checkbox"/> Frozen <input checked="" type="checkbox"/> HCl <input checked="" type="checkbox"/> HNO ₃ _____ <input type="checkbox"/> Zn Ac <input type="checkbox"/> MeOH _____ <input type="checkbox"/> Ascorbic Acid _____ <input type="checkbox"/> Other: _____ Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>	Samples Relinquished By: <u>[Signature]</u> Date/Time: <u>11/6/15 1400</u> Samples Relinquished By: <u>Pyrae 11-9-15</u> Date/Time: <u>1501</u>	Samples Received in L.A.B. by: <u>LBG Fridge</u> Date/Time: <u>11/6/15 1400</u> Samples Received By: <u>Pyrae 11-9-15</u> Date/Time: <u>1501</u>	Temperature on Receipt: <u>4.3</u> °C
	Rec'd At 11/9/15 13:49 (AW & FAW)		

APPENDIX III
NOVEMBER 2015 LABORATORY ANALYTICAL REPORTS
FOR AIR SAMPLES



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 11/24/2015

Client Project ID: Rowe Industries

York Project (SDG) No.: 15K0764

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 11/24/2015
Client Project ID: Rowe Industries
York Project (SDG) No.: 15K0764

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 20, 2015 and listed below. The project was identified as your project: **Rowe Industries**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
15K0764-01	AQ111715:1100NP4-1	Vapor Extraction	11/17/2015	11/20/2015
15K0764-02	AQ111715:1105NP4-2	Vapor Extraction	11/17/2015	11/20/2015
15K0764-03	AQ111715:1110NP4-3	Vapor Extraction	11/17/2015	11/20/2015

General Notes for York Project (SDG) No.: 15K0764

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

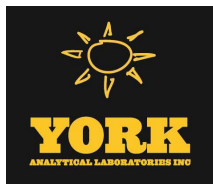
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 11/24/2015





Sample Information

Client Sample ID: AQ111715:1100NP4-1

York Sample ID: 15K0764-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
15K0764	Rowe Industries	Vapor Extraction	November 17, 2015 11:00 am	11/20/2015

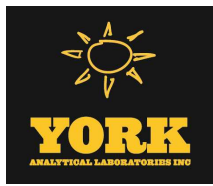
Volatile Organics, EPA TO15 Full List

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
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 18:08	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.92	0.92	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.3	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.92	0.92	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.68	0.68	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.67	0.67	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.3	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.68	0.68	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.78	0.78	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	2.2	2.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.78	0.78	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 18:08	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
78-93-3	2-Butanone	7.1		ug/m ³	0.50	0.50	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.4	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 18:08	ALD
107-05-1	* 3-Chloropropene	ND		ug/m ³	2.6	2.6	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 18:08	ALD



Sample Information

Client Sample ID: AQ111715:1100NP4-1

York Sample ID: 15K0764-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0764

Rowe Industries

Vapor Extraction

November 17, 2015 11:00 am

11/20/2015

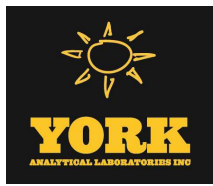
Volatile Organics, EPA TO15 Full List

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
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.69	0.69	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
67-64-1	Acetone	30		ug/m ³	0.80	0.80	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
107-13-1	* Acrylonitrile	ND		ug/m ³	0.36	0.36	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 18:08	ALD
71-43-2	Benzene	2.6		ug/m ³	0.54	0.54	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.87	0.87	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
75-25-2	Bromoform	ND		ug/m ³	1.7	1.7	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.65	0.65	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.52	0.52	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.26	0.26	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.77	0.77	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.44	0.44	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
67-66-3	Chloroform	ND		ug/m ³	0.82	0.82	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
74-87-3	Chloromethane	2.1		ug/m ³	0.35	0.35	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.67	0.67	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.76	0.76	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.58	0.58	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.3	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
75-71-8	Dichlorodifluoromethane	2.4		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 18:08	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.73	0.73	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.8	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
67-63-0	Isopropanol	1.3		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD



Sample Information

Client Sample ID: AQ111715:1100NP4-1

York Sample ID: 15K0764-01

York Project (SDG) No.

Client Project ID

Matrix

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15K0764

Rowe Industries

Vapor Extraction

November 17, 2015 11:00 am

11/20/2015

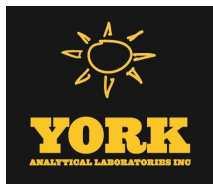
Volatile Organics, EPA TO15 Full List

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
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.69	0.69	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.60	0.60	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
75-09-2	Methylene chloride	1.6		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.69	0.69	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
110-54-3	n-Hexane	2.0		ug/m ³	0.59	0.59	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
95-47-6	o-Xylene	ND		ug/m ³	0.73	0.73	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.5	1.5	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 18:08	ALD
115-07-1	* Propylene	ND		ug/m ³	0.29	0.29	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 18:08	ALD
100-42-5	Styrene	ND		ug/m ³	0.72	0.72	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.28	0.28	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.99	0.99	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 18:08	ALD
108-88-3	Toluene	0.63		ug/m ³	0.63	0.63	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.67	0.67	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.76	0.76	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.23	0.23	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.4		ug/m ³	0.94	0.94	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.59	0.59	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
593-60-2	Vinyl bromide	ND		ug/m ³	0.73	0.73	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
75-01-4	Vinyl Chloride	ND		ug/m ³	0.43	0.43	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 18:08	ALD
	Surrogate Recoveries	Result						Acceptance Range			
460-00-4	Surrogate: p-Bromofluorobenzene	101 %						72-118			



Sample Information

Client Sample ID: AQ111715:1105NP4-2

York Sample ID: 15K0764-02

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

15K0764

Rowe Industries

Vapor Extraction

November 17, 2015 11:05 am

11/20/2015

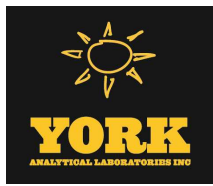
Volatile Organics, EPA TO15 Full List

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
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:03	ALD
71-55-6	1,1,1-Trichloroethane	2.5		ug/m ³	0.92	0.92	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.3	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.92	0.92	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.68	0.68	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.67	0.67	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.3	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.68	0.68	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.78	0.78	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	2.2	2.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.78	0.78	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:03	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
78-93-3	2-Butanone	3.2		ug/m ³	0.50	0.50	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.4	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:03	ALD
107-05-1	* 3-Chloropropene	ND		ug/m ³	2.6	2.6	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:03	ALD



Sample Information

Client Sample ID: AQ111715:1105NP4-2

York Sample ID: 15K0764-02

York Project (SDG) No.

Client Project ID

Matrix

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15K0764

Rowe Industries

Vapor Extraction

November 17, 2015 11:05 am

11/20/2015

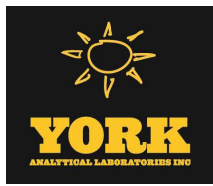
Volatile Organics, EPA TO15 Full List

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
108-10-1	4-Methyl-2-pentanone	0.89		ug/m ³	0.69	0.69	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
67-64-1	Acetone	29		ug/m ³	0.80	0.80	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
107-13-1	* Acrylonitrile	ND		ug/m ³	0.36	0.36	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:03	ALD
71-43-2	Benzene	0.59		ug/m ³	0.54	0.54	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.87	0.87	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
75-25-2	Bromoform	ND		ug/m ³	1.7	1.7	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.65	0.65	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.52	0.52	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.26	0.26	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.77	0.77	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.44	0.44	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
67-66-3	Chloroform	ND		ug/m ³	0.82	0.82	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
74-87-3	Chloromethane	1.6		ug/m ³	0.35	0.35	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
156-59-2	cis-1,2-Dichloroethylene	3.7		ug/m ³	0.67	0.67	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.76	0.76	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.58	0.58	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.3	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
75-71-8	Dichlorodifluoromethane	2.7		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:03	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.73	0.73	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.8	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
67-63-0	Isopropanol	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD



Sample Information

Client Sample ID: AQ111715:1105NP4-2

York Sample ID: 15K0764-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0764

Rowe Industries

Vapor Extraction

November 17, 2015 11:05 am

11/20/2015

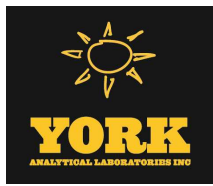
Volatile Organics, EPA TO15 Full List

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
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.69	0.69	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.60	0.60	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
75-09-2	Methylene chloride	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.69	0.69	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
110-54-3	n-Hexane	4.0		ug/m ³	0.59	0.59	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
95-47-6	o-Xylene	ND		ug/m ³	0.73	0.73	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.5	1.5	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:03	ALD
115-07-1	* Propylene	ND		ug/m ³	0.29	0.29	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:03	ALD
100-42-5	Styrene	ND		ug/m ³	0.72	0.72	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
127-18-4	Tetrachloroethylene	57		ug/m ³	0.28	0.28	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
109-99-9	* Tetrahydrofuran	3.6		ug/m ³	0.99	0.99	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:03	ALD
108-88-3	Toluene	1.1		ug/m ³	0.63	0.63	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.67	0.67	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.76	0.76	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
79-01-6	Trichloroethylene	1.7		ug/m ³	0.23	0.23	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.6		ug/m ³	0.94	0.94	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.59	0.59	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
593-60-2	Vinyl bromide	ND		ug/m ³	0.73	0.73	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
75-01-4	Vinyl Chloride	ND		ug/m ³	0.43	0.43	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:03	ALD
	Surrogate Recoveries	Result		Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	100 %		72-118							



Sample Information

Client Sample ID: AQ111715:1110NP4-3

York Sample ID: 15K0764-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0764

Rowe Industries

Vapor Extraction

November 17, 2015 11:10 am

11/20/2015

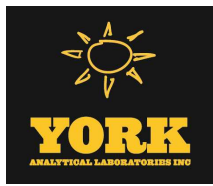
Volatile Organics, EPA TO15 Full List

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
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:58	ALD
71-55-6	1,1,1-Trichloroethane	5.7		ug/m ³	0.92	0.92	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.3	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.92	0.92	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.68	0.68	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.67	0.67	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.3	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.68	0.68	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.78	0.78	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	2.2	2.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.78	0.78	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:58	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
78-93-3	2-Butanone	38		ug/m ³	0.50	0.50	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.4	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:58	ALD
107-05-1	* 3-Chloropropene	ND		ug/m ³	2.6	2.6	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:58	ALD



Sample Information

Client Sample ID: AQ111715:1110NP4-3

York Sample ID: 15K0764-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0764

Rowe Industries

Vapor Extraction

November 17, 2015 11:10 am

11/20/2015

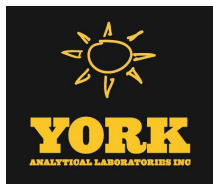
Volatile Organics, EPA TO15 Full List

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
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.69	0.69	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
67-64-1	Acetone	33		ug/m ³	0.80	0.80	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
107-13-1	* Acrylonitrile	ND		ug/m ³	0.36	0.36	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:58	ALD
71-43-2	Benzene	ND		ug/m ³	0.54	0.54	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.87	0.87	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
75-25-2	Bromoform	ND		ug/m ³	1.7	1.7	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.65	0.65	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.52	0.52	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.26	0.26	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.77	0.77	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.44	0.44	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
67-66-3	Chloroform	0.82		ug/m ³	0.82	0.82	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
74-87-3	Chloromethane	2.2		ug/m ³	0.35	0.35	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
156-59-2	cis-1,2-Dichloroethylene	2.4		ug/m ³	0.67	0.67	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.76	0.76	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.58	0.58	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.3	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
75-71-8	Dichlorodifluoromethane	2.6		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:58	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.73	0.73	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.8	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
67-63-0	Isopropanol	2.1		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD



Sample Information

Client Sample ID: AQ111715:1110NP4-3

York Sample ID: 15K0764-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15K0764

Rowe Industries

Vapor Extraction

November 17, 2015 11:10 am

11/20/2015

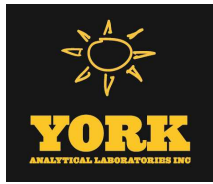
Volatile Organics, EPA TO15 Full List

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
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.69	0.69	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.60	0.60	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
75-09-2	Methylene chloride	1.3		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.69	0.69	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
110-54-3	n-Hexane	0.71		ug/m ³	0.59	0.59	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
95-47-6	o-Xylene	ND		ug/m ³	0.73	0.73	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.5	1.5	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:58	ALD
115-07-1	* Propylene	ND		ug/m ³	0.29	0.29	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:58	ALD
100-42-5	Styrene	ND		ug/m ³	0.72	0.72	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
127-18-4	Tetrachloroethylene	4.7		ug/m ³	0.28	0.28	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
109-99-9	* Tetrahydrofuran	88		ug/m ³	0.99	0.99	1.68	EPA TO-15 Certifications:	11/23/2015 06:52	11/23/2015 19:58	ALD
108-88-3	Toluene	ND		ug/m ³	0.63	0.63	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.67	0.67	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.76	0.76	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.23	0.23	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.4		ug/m ³	0.94	0.94	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.59	0.59	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
593-60-2	Vinyl bromide	ND		ug/m ³	0.73	0.73	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
75-01-4	Vinyl Chloride	ND		ug/m ³	0.43	0.43	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	11/23/2015 06:52	11/23/2015 19:58	ALD
	Surrogate Recoveries	Result			Acceptance Range						
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			72-118						



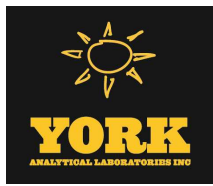
Analytical Batch Summary

Batch ID: BK51182

Preparation Method: EPA TO15 PREP

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
15K0764-01	AQ111715:1100NP4-1	11/23/15
15K0764-02	AQ111715:1105NP4-2	11/23/15
15K0764-03	AQ111715:1110NP4-3	11/23/15
BK51182-BLK1	Blank	11/23/15
BK51182-BS1	LCS	11/23/15



Volatile Organic Compounds in Air by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

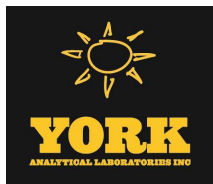
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK51182 - EPA TO15 PREP

Blank (BK51182-BLK1)

Prepared & Analyzed: 11/23/2015

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.40	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	1.3	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.62	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.80	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								



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

York Analytical Laboratories, Inc.

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

Batch BK51182 - EPA TO15 PREP

Blank (BK51182-BLK1)

Prepared & Analyzed: 11/23/2015

o-Xylene	ND	0.43	ug/m ³								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.26	"								

<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>ppbv</i>	<i>10.4</i>		<i>96.9</i>	<i>72-118</i>				
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LCS (BK51182-BS1)

Prepared & Analyzed: 11/23/2015

1,1,1,2-Tetrachloroethane	9.61		ppbv	10.5		91.5	82-126				
1,1,1-Trichloroethane	9.02		"	10.2		88.4	70-130				
1,1,2,2-Tetrachloroethane	9.38		"	10.3		91.1	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.12		"	10.4		87.7	70-130				
1,1,2-Trichloroethane	9.40		"	10.3		91.3	70-130				
1,1-Dichloroethane	9.28		"	10.2		91.0	70-130				
1,1-Dichloroethylene	9.45		"	10.4		90.9	70-130				
1,2,4-Trichlorobenzene	5.98		"	9.00		66.4	70-130	Low Bias			
1,2,4-Trimethylbenzene	9.87		"	10.2		96.8	70-130				
1,2-Dibromoethane	9.58		"	10.4		92.1	70-130				
1,2-Dichlorobenzene	9.19		"	10.1		91.0	70-130				
1,2-Dichloroethane	9.11		"	10.2		89.3	70-130				
1,2-Dichloropropane	9.50		"	10.2		93.1	70-130				
1,2-Dichlorotetrafluoroethane	9.04		"	9.80		92.2	70-130				
1,3,5-Trimethylbenzene	9.44		"	10.0		94.4	70-130				
1,3-Butadiene	8.77		"	10.1		86.8	70-130				
1,3-Dichlorobenzene	9.54		"	10.2		93.5	70-130				
1,3-Dichloropropane	9.60		"	10.5		91.4	70-130				
1,4-Dichlorobenzene	9.53		"	10.1		94.4	70-130				
1,4-Dioxane	8.86		"	10.2		86.9	70-130				
2-Butanone	9.04		"	10.4		86.9	70-130				
2-Hexanone	7.93		"	10.5		75.5	70-130				
3-Chloropropene	10.2		"	10.7		95.0	70-130				
4-Methyl-2-pentanone	9.86		"	10.2		96.7	70-130				
Acetone	9.29		"	10.6		87.6	70-130				
Acrylonitrile	9.08		"	10.3		88.2	70-130				
Benzene	9.37		"	10.3		91.0	70-130				
Benzyl chloride	7.45		"	10.2		73.0	70-130				
Bromodichloromethane	9.40		"	10.2		92.2	70-130				
Bromoform	11.0		"	10.1		109	70-130				
Bromomethane	7.74		"	9.50		81.5	70-130				
Carbon disulfide	10.4		"	10.5		98.8	70-130				
Carbon tetrachloride	8.93		"	10.2		87.5	70-130				
Chlorobenzene	9.29		"	10.5		88.5	70-130				



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

York Analytical Laboratories, Inc.

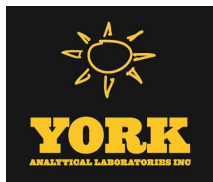
Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit			Result					Limit	

Batch BK51182 - EPA TO15 PREP

LCS (BK51182-BS1)

Prepared & Analyzed: 11/23/2015

Chloroethane	8.89		ppbv	9.40		94.6	70-130				
Chloroform	8.90		"	10.4		85.6	70-130				
Chloromethane	7.95		"	9.80		81.1	70-130				
cis-1,2-Dichloroethylene	9.33		"	10.2		91.5	70-130				
cis-1,3-Dichloropropylene	10.6		"	11.0		96.5	70-130				
Cyclohexane	10.0		"	10.3		97.3	70-130				
Dibromochloromethane	10.1		"	10.6		95.1	70-130				
Dichlorodifluoromethane	8.36		"	9.80		85.3	70-130				
Ethyl acetate	8.74		"	10.4		84.0	70-130				
Ethyl Benzene	9.82		"	10.4		94.4	70-130				
Hexachlorobutadiene	7.39		"	9.10		81.2	70-130				
Isopropanol	8.18		"	10.0		81.8	70-130				
Methyl Methacrylate	9.32		"	9.80		95.1	70-130				
Methyl tert-butyl ether (MTBE)	9.70		"	10.3		94.2	70-130				
Methylene chloride	8.84		"	10.4		85.0	70-130				
n-Heptane	10.3		"	10.5		98.4	70-130				
n-Hexane	9.97		"	10.5		95.0	70-130				
o-Xylene	10.1		"	10.3		97.7	70-130				
p- & m- Xylenes	19.5		"	20.2		96.5	70-130				
p-Ethyltoluene	9.69		"	10.0		96.9	70-130				
Propylene	9.47		"	10.6		89.3	70-130				
Styrene	10.1		"	10.2		99.3	70-130				
Tetrachloroethylene	8.83		"	9.90		89.2	70-130				
Tetrahydrofuran	9.46		"	10.6		89.2	70-130				
Toluene	9.93		"	10.5		94.6	70-130				
trans-1,2-Dichloroethylene	9.24		"	10.1		91.5	70-130				
trans-1,3-Dichloropropylene	9.72		"	10.3		94.4	70-130				
Trichloroethylene	9.62		"	10.2		94.3	70-130				
Trichlorofluoromethane (Freon 11)	8.75		"	9.90		88.4	70-130				
Vinyl acetate	10.9		"	10.7		102	70-130				
Vinyl bromide	9.50		"	10.5		90.5	70-130				
Vinyl Chloride	7.83		"	9.90		79.1	70-130				
Surrogate: p-Bromofluorobenzene	10.3		"	10.4		98.8	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.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

