TABLE 2

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

Effluent Water Quality Results

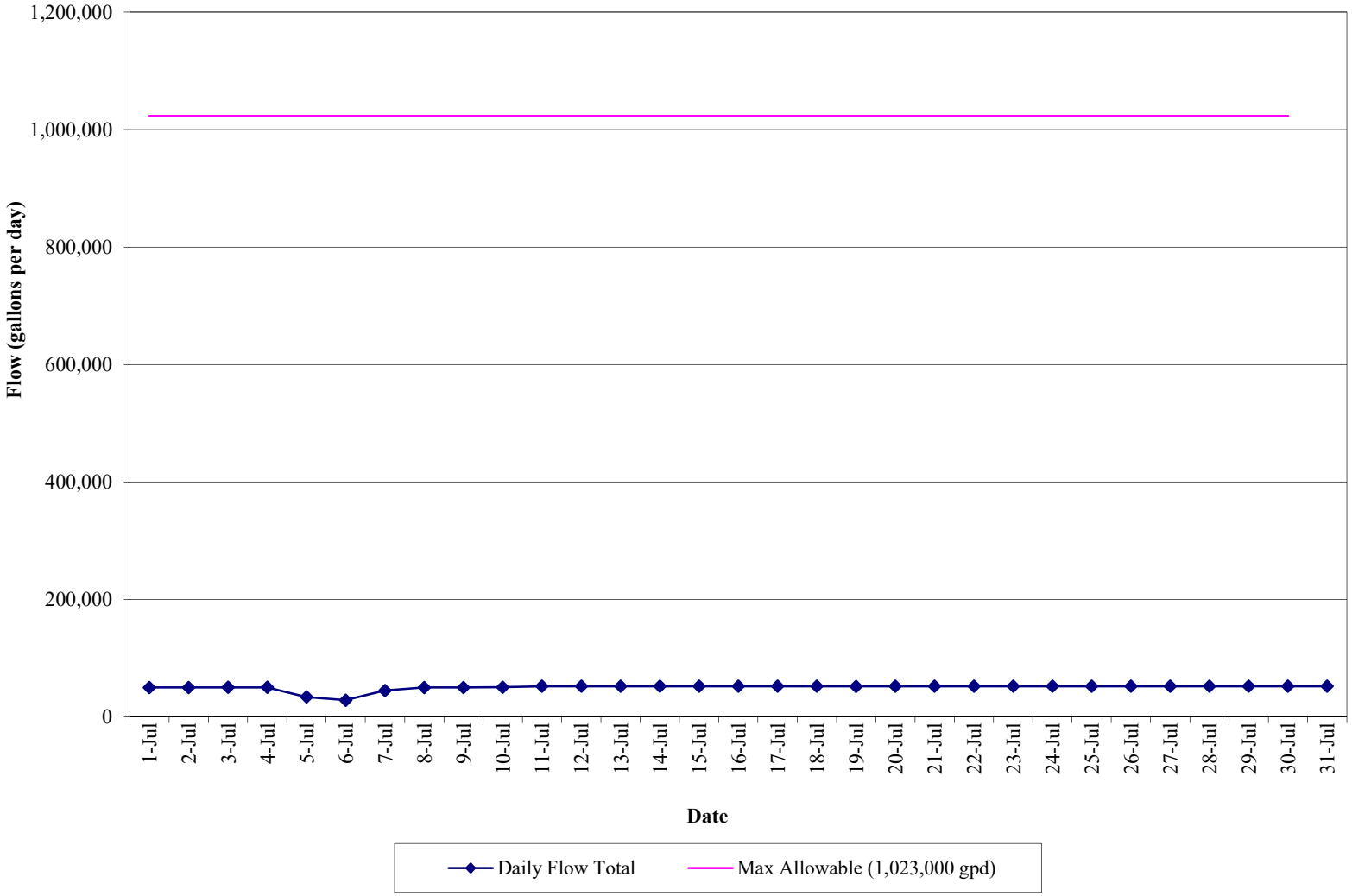
Date Sampled [2/]	pH [1/]	TDS (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis-1,2-DCE (ug/l)	trans-1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	**6.5 to 8.5**	**---**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**---**	**10**	**7**	**---**	**---**
2-Aug-16	6.6	128	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	0.63	0.263
16-Aug-16	6.5	148	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	2.64	0.207
1-Sep-16	6.5	157	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	1.65	0.044
16-Sep-16	6.5	146	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	0.92	0.336
17-Oct-16 [4/]	6.5	141	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	1.27	0.455
1-Nov-16	6.5	224	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	3.50	0.100
1-Dec-16	6.5	191	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	2.17	0.042
3-Jan-17	6.5	123	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	2.24	0.030
1-Feb-17	6.5	120	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	2.17	0.051
1-Mar-17	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	0.69	0.063
7-Apr-17	6.5	157	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	3.62	0.060
3-May-17	6.5	121	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	0.90	0.079
1-Jun-17	6.5	127	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	0.10	0.097
6-Jul-17	6.5	159	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	0.46	ND<0.02

SPDES: State Pollutant Discharge Elimination System
mg/l: Milligrams per liter
ug/l: Micrograms per liter
----: Not established
NM: Not Measured
TDS: Total dissolved solids
PCE: Tetrachloroethylene
1,1,1-TCA: 1,1,1-Trichloroethane
TCE: Trichloroethene
1,1-DCA: 1,1-Dichlorothane
1,1-DCE: 1,1-Dichloroethene
cis-1,2-DCE: cis-1,2-Dichloroethene
trans-1,2,-DCE: trans-1,2-Dichloroethene
J: Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Analyte was found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants
ND: Not detected

Notes:
1. Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5. The pH on July 19, 2017, was 6.7.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
3. Starting in October 2016, FSP&T system samples are collected monthly instead of once every two weeks.

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

Effluent Flow Data
(July 1, 2017 to July 31, 2017)



APPENDIX I
JULY 2017 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: 07/18/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17G0188

Report Date: 07/18/2017
Client Project ID: Rowe Industries
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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 July 10, 2017 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

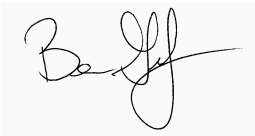
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
17G0188-01	WQ070617:1325NP2-6	Water	07/06/2017	07/10/2017
17G0190-01	WQ070617:1330NP2-10	Water	07/06/2017	07/10/2017

General Notes for York Project (SDG) No.: 17G0188

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.
9. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 07/18/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ070617:1325NP2-6 **York Sample ID:** 17G0188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0188	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:06	SS

Sample Information

Client Sample ID: WQ070617:1325NP2-6 **York Sample ID:** 17G0188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0188	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
67-64-1	**Acetone**	**1.6**	SCAL-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:06	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:06	SS

Sample Information

Client Sample ID: WQ070617:1325NP2-6 **York Sample ID:** 17G0188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0188	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	07/14/2017 10:29	07/15/2017 15:06	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	07/14/2017 10:29	07/15/2017 15:06	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS
127-18-4	**Tetrachloroethylene**	**0.26**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	07/14/2017 10:29	07/15/2017 15:06	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*98.9 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.4 %*	*79-122*

Sample Information

Client Sample ID: WQ070617:1330NP2-10 **York Sample ID:** 17G0190-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0190	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	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:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS

Sample Information

Client Sample ID: WQ070617:1330NP2-10 **York Sample ID:** 17G0190-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0190	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
67-64-1	**Acetone**	**1.9**	SCAL-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS

Sample Information

Client Sample ID: WQ070617:1330NP2-10 **York Sample ID:** 17G0190-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0190	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854	07/15/2017 15:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854	07/15/2017 15:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 15:38	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NJDEP	07/15/2017 15:38	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*99.8 %*	*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	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: WQ070617:1330NP2-10 **York Sample ID:** 17G0190-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0190	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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 LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.463**	B	mg/L	0.0222	1	EPA 200.7	07/14/2017 10:03	07/17/2017 19:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0222	1	EPA 6010C	07/12/2017 09:48	07/14/2017 15:18	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**159**		mg/L	10.0	1	SM 2540C	07/10/2017 17:47	07/12/2017 17:08	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BG70316 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
17G0190-01	WQ070617:1330NP2-10	07/10/17
BG70316-BLK1	Blank	07/10/17
BG70316-DUP2	Duplicate	07/10/17

Batch ID: BG70403 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17G0190-01	WQ070617:1330NP2-10	07/12/17
BG70403-BLK1	Blank	07/12/17
BG70403-SRM1	Reference	07/12/17

Batch ID: BG70523 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17G0188-01	WQ070617:1325NP2-6	07/14/17
17G0190-01	WQ070617:1330NP2-10	07/14/17
BG70523-BLK1	Blank	07/14/17
BG70523-BS1	LCS	07/14/17
BG70523-BSD1	LCS Dup	07/14/17

Batch ID: BG70543 **Preparation Method:** EPA 200.7 **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17G0190-01	WQ070617:1330NP2-10	07/14/17
BG70543-BLK1	Blank	07/14/17
BG70543-DUP1	Duplicate	07/14/17
BG70543-MS1	Matrix Spike	07/14/17
BG70543-SRM1	Reference	07/14/17

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 BG70523 - EPA 5030B											
Blank (BG70523-BLK1)											
Prepared: 07/14/2017 Analyzed: 07/15/2017											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								

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 BG70523 - EPA 5030B											
Blank (BG70523-BLK1)											Prepared: 07/14/2017 Analyzed: 07/15/2017
o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*8.87*		*"*	*10.0*		*88.7*	*69-130*				
Surrogate: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				
LCS (BG70523-BS1)											Prepared: 07/14/2017 Analyzed: 07/15/2017
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126				
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136				
1,1,2,2-Tetrachloroethane	9.68		"	10.0		96.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	54-165				
1,1,2-Trichloroethane	9.61		"	10.0		96.1	82-123				
1,1-Dichloroethane	10.6		"	10.0		106	82-129				
1,1-Dichloroethylene	10.4		"	10.0		104	68-138				
1,1-Dichloropropylene	10.8		"	10.0		108	83-133				
1,2,3-Trichlorobenzene	11.3		"	10.0		113	76-136				
1,2,3-Trichloropropane	9.67		"	10.0		96.7	77-128				
1,2,4-Trichlorobenzene	10.5		"	10.0		105	76-137				
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132				
1,2-Dibromo-3-chloropropane	9.06		"	10.0		90.6	45-147				
1,2-Dibromoethane	9.82		"	10.0		98.2	83-124				
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123				
1,2-Dichloroethane	9.36		"	10.0		93.6	73-132				
1,2-Dichloropropane	10.2		"	10.0		102	78-126				
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131				
1,3-Dichlorobenzene	10.6		"	10.0		106	86-122				
1,3-Dichloropropane	9.89		"	10.0		98.9	81-125				
1,4-Dichlorobenzene	10.7		"	10.0		107	85-124				
2,2-Dichloropropane	8.61		"	10.0		86.1	56-150				
2-Chlorotoluene	10.6		"	10.0		106	79-130				
2-Hexanone	9.00		"	10.0		90.0	51-146				
4-Chlorotoluene	10.6		"	10.0		106	79-128				
Acetone	8.90		"	10.0		89.0	14-150				
Benzene	10.8		"	10.0		108	85-126				
Bromobenzene	10.3		"	10.0		103	78-129				
Bromochloromethane	9.77		"	10.0		97.7	77-128				
Bromodichloromethane	9.83		"	10.0		98.3	79-128				
Bromoform	9.63		"	10.0		96.3	78-133				
Bromomethane	11.7		"	10.0		117	43-168				

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 BG70523 - EPA 5030B											
LCS (BG70523-BS1)									Prepared: 07/14/2017 Analyzed: 07/15/2017		
Carbon tetrachloride	10.2		ug/L	10.0		102	77-141				
Chlorobenzene	10.4		"	10.0		104	88-120				
Chloroethane	10.2		"	10.0		102	65-136				
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	9.53		"	10.0		95.3	43-155				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129				
cis-1,3-Dichloropropylene	9.80		"	10.0		98.0	80-131				
Dibromochloromethane	9.67		"	10.0		96.7	80-130				
Dibromomethane	9.86		"	10.0		98.6	72-134				
Dichlorodifluoromethane	9.60		"	10.0		96.0	44-144				
Ethyl Benzene	10.7		"	10.0		107	80-131				
Hexachlorobutadiene	11.9		"	10.0		119	67-146				
Isopropylbenzene	10.8		"	10.0		108	76-140				
Methyl tert-butyl ether (MTBE)	9.93		"	10.0		99.3	76-135				
Methylene chloride	9.76		"	10.0		97.6	55-137				
Naphthalene	11.0		"	10.0		110	70-147				
n-Butylbenzene	10.4		"	10.0		104	79-132				
n-Propylbenzene	10.9		"	10.0		109	78-133				
o-Xylene	10.5		"	10.0		105	78-130				
p- & m- Xylenes	21.6		"	20.0		108	77-133				
p-Isopropyltoluene	10.7		"	10.0		107	81-136				
sec-Butylbenzene	10.7		"	10.0		107	79-137				
Styrene	10.8		"	10.0		108	67-132				
tert-Butylbenzene	10.8		"	10.0		108	77-138				
Tetrachloroethylene	11.6		"	10.0		116	82-131				
Toluene	10.6		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	10.3		"	10.0		103	80-132				
trans-1,3-Dichloropropylene	9.45		"	10.0		94.5	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	10.0		"	10.0		100	67-139				
Vinyl Chloride	10.2		"	10.0		102	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.38*		*"*	*10.0*		*93.8*	*69-130*				
Surrogate: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BG70523 - EPA 5030B

LCS Dup (BG70523-BSD1) Prepared: 07/14/2017 Analyzed: 07/15/2017

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82-126		1.26	30	
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136		0.0984	30	
1,1,2,2-Tetrachloroethane	9.97		"	10.0		99.7	76-129		2.95	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	54-165		0.00	30	
1,1,2-Trichloroethane	10.1		"	10.0		101	82-123		4.58	30	
1,1-Dichloroethane	10.5		"	10.0		105	82-129		0.570	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		0.00	30	
1,1-Dichloropropylene	10.6		"	10.0		106	83-133		1.86	30	
1,2,3-Trichlorobenzene	10.5		"	10.0		105	76-136		6.89	30	
1,2,3-Trichloropropane	9.85		"	10.0		98.5	77-128		1.84	30	
1,2,4-Trichlorobenzene	10.5		"	10.0		105	76-137		0.285	30	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132		1.76	30	
1,2-Dibromo-3-chloropropane	9.65		"	10.0		96.5	45-147		6.31	30	
1,2-Dibromoethane	10.2		"	10.0		102	83-124		3.70	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123		3.01	30	
1,2-Dichloroethane	9.22		"	10.0		92.2	73-132		1.51	30	
1,2-Dichloropropane	10.4		"	10.0		104	78-126		2.43	30	
1,3,5-Trimethylbenzene	11.0		"	10.0		110	80-131		1.74	30	
1,3-Dichlorobenzene	10.8		"	10.0		108	86-122		1.77	30	
1,3-Dichloropropane	10.0		"	10.0		100	81-125		1.21	30	
1,4-Dichlorobenzene	11.0		"	10.0		110	85-124		2.39	30	
2,2-Dichloropropane	8.76		"	10.0		87.6	56-150		1.73	30	
2-Chlorotoluene	10.7		"	10.0		107	79-130		1.41	30	
2-Hexanone	9.12		"	10.0		91.2	51-146		1.32	30	
4-Chlorotoluene	10.9		"	10.0		109	79-128		2.61	30	
Acetone	7.90		"	10.0		79.0	14-150		11.9	30	
Benzene	10.9		"	10.0		109	85-126		0.830	30	
Bromobenzene	10.5		"	10.0		105	78-129		2.12	30	
Bromochloromethane	10.3		"	10.0		103	77-128		5.18	30	
Bromodichloromethane	9.94		"	10.0		99.4	79-128		1.11	30	
Bromoform	10.0		"	10.0		100	78-133		4.17	30	
Bromomethane	12.2		"	10.0		122	43-168		4.18	30	
Carbon tetrachloride	10.2		"	10.0		102	77-141		0.0977	30	
Chlorobenzene	10.6		"	10.0		106	88-120		1.62	30	
Chloroethane	10.4		"	10.0		104	65-136		2.53	30	
Chloroform	10.2		"	10.0		102	82-128		0.488	30	
Chloromethane	9.83		"	10.0		98.3	43-155		3.10	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	83-129		1.67	30	
cis-1,3-Dichloropropylene	9.96		"	10.0		99.6	80-131		1.62	30	
Dibromochloromethane	9.81		"	10.0		98.1	80-130		1.44	30	
Dibromomethane	10.0		"	10.0		100	72-134		1.81	30	
Dichlorodifluoromethane	9.71		"	10.0		97.1	44-144		1.14	30	
Ethyl Benzene	10.8		"	10.0		108	80-131		0.834	30	
Hexachlorobutadiene	11.1		"	10.0		111	67-146		7.31	30	
Isopropylbenzene	11.1		"	10.0		111	76-140		2.10	30	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	76-135		0.802	30	
Methylene chloride	9.60		"	10.0		96.0	55-137		1.65	30	
Naphthalene	10.9		"	10.0		109	70-147		1.37	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		3.86	30	
n-Propylbenzene	11.1		"	10.0		111	78-133		1.73	30	
o-Xylene	10.6		"	10.0		106	78-130		1.13	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG70523 - EPA 5030B											
LCS Dup (BG70523-BSD1)									Prepared: 07/14/2017 Analyzed: 07/15/2017		
p- & m- Xylenes	21.8		ug/L	20.0		109	77-133		0.924	30	
p-Isopropyltoluene	10.9		"	10.0		109	81-136		2.22	30	
sec-Butylbenzene	11.1		"	10.0		111	79-137		3.12	30	
Styrene	10.9		"	10.0		109	67-132		1.10	30	
tert-Butylbenzene	10.9		"	10.0		109	77-138		1.20	30	
Tetrachloroethylene	11.2		"	10.0		112	82-131		3.78	30	
Toluene	10.6		"	10.0		106	80-127		0.283	30	
trans-1,2-Dichloroethylene	10.5		"	10.0		105	80-132		1.73	30	
trans-1,3-Dichloropropylene	9.64		"	10.0		96.4	78-131		1.99	30	
Trichloroethylene	10.4		"	10.0		104	82-128		0.482	30	
Trichlorofluoromethane	10.4		"	10.0		104	67-139		3.62	30	
Vinyl Chloride	10.6		"	10.0		106	58-145		3.93	30	
Surrogate: 1,2-Dichloroethane-d4	*9.24*		*"*	*10.0*		*92.4*	*69-130*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*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 BG70403 - EPA 3015A											
Blank (BG70403-BLK1)								Prepared: 07/12/2017 Analyzed: 07/14/2017			
Iron - Dissolved	ND	0.0222	mg/L								
Reference (BG70403-SRM1)								Prepared: 07/12/2017 Analyzed: 07/14/2017			
Iron - Dissolved	0.718		ug/mL	0.759		94.6	84.9-115				
Batch BG70543 - EPA 200.7											
Blank (BG70543-BLK1)								Prepared: 07/14/2017 Analyzed: 07/17/2017			
Iron	0.247	0.0222	mg/L								
Duplicate (BG70543-DUP1)	*Source sample: 17G0190-01 (WQ070617:1330NP2-10)							Prepared: 07/14/2017 Analyzed: 07/17/2017			
Iron	0.150	0.0222	mg/L		0.463				102	20	Non-dir.
Matrix Spike (BG70543-MS1)	*Source sample: 17G0190-01 (WQ070617:1330NP2-10)							Prepared: 07/14/2017 Analyzed: 07/17/2017			
Iron	1.62	0.0222	mg/L	1.11	0.463	104	75-125				
Reference (BG70543-SRM1)								Prepared: 07/14/2017 Analyzed: 07/17/2017			
Iron	0.422		ug/mL	0.759		55.6	84.9-115	Low Bias			

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG70316 - % Solids Prep											
Blank (BG70316-BLK1)									Prepared: 07/10/2017 Analyzed: 07/12/2017		
Total Dissolved Solids	ND	10.0	mg/L								
Duplicate (BG70316-DUP2)	*Source sample: 17G0190-01 (WQ070617:1330NP2-10)								Prepared: 07/10/2017 Analyzed: 07/12/2017		
Total Dissolved Solids	165	10.0	mg/L		159				3.70	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17G0188-01	WQ070617:1325NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17G0190-01	WQ070617:1330NP2-10	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.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

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*	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.
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Field Chain-of-Custody Record

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

York Project No. 17G0188

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

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

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

Evan Foster
Name (printed)

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

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

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ070617:1325 NP2-6	7-6-17	GW [redacted]	[redacted] / VOCs, 8260 List (EPA SW845-8260B) plus freon 113 [redacted]	3 voa's
WQ070617:1330 NP2-10	7-6-17	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW845-8260A) plus freon 113 / TDS (SM 2540C)	3 voa's, 3 plastic

Comments

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	7-7-17 800	LBG Fridge	7-7-17 800
Samples Relinquished By	Date/Time	Samples Received in LAB by [signature]	7/10/17 - 1502

Temperature on Receipt 2.8 °C

Rec'd [initials] 7/10/17 1350

(system)

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

Field Chain-of-Custody Record

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

York Project No. 17G0190

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

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

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

Name (printed): Evan Foster

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

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

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ070617:1325 NP2-6	7-6-17	GW [redacted]	[redacted] / VOCs, 8260 List (EPA SW845-8260B) plus freon 113	3voa's
WQ070617:1330 NP2-10	7-6-17	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW845-8260B) plus freon 113 / TDS (SM 2540C)	3voa's, 3plastic

Comments

Preservation (Check those Applicable): 4°C X Frozen__ HCl X MeOH__ HNO3 X H2SO4__ NaOH__ ZnAc__ Ascorbic Acid__ Other__

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	7-7-17 800	LBG Fridge	7-7-17 800
Samples Relinquished By	Date/Time	Samples Received in LAB by: [signature]	7/10/17 - 1502

Temperature on Receipt: 2.8 °C

Rec'd @ 7/10/17 1350 (system)

APPENDIX II
JULY 2017 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: 07/17/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17G0192

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 07/17/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17G0192

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 July 10, 2017 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
17G0192-01	WQ070617:1320NP1-1-2	Water	07/06/2017	07/10/2017

General Notes for York Project (SDG) No.: 17G0192

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.
9. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 07/17/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ070617:1320NP1-1-2 **York Sample ID:** 17G0192-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0192	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	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:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 NELAC-NY10854,NJDEP	07/17/2017 13:41	SS

Sample Information

Client Sample ID: WQ070617:1320NP1-1-2 **York Sample ID:** 17G0192-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0192	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 NELAC-NY10854,NJDEP	07/17/2017 13:41	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/17/2017 07:30 CTDOH,NELAC-NY10854,NJDEP	07/17/2017 13:41	SS

Sample Information

Client Sample ID: WQ070617:1320NP1-1-2 **York Sample ID:** 17G0192-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0192	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	07/17/2017 07:30	07/17/2017 13:41	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	07/17/2017 07:30	07/17/2017 13:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	07/17/2017 07:30	07/17/2017 13:41	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*98.5 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*98.3 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.7 %*	*79-122*

Analytical Batch Summary

Batch ID: BG70590 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17G0192-01	WQ070617:1320NP1-1-2	07/17/17
BG70590-BLK1	Blank	07/17/17
BG70590-BS1	LCS	07/17/17
BG70590-BSD1	LCS Dup	07/17/17

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 BG70590 - EPA 5030B											
Blank (BG70590-BLK1)											Prepared & Analyzed: 07/17/2017
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG70590 - EPA 5030B											
Blank (BG70590-BLK1)								Prepared & Analyzed: 07/17/2017			
o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*9.57*		*"*	*10.0*		*95.7*	*69-130*				
Surrogate: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*79-122*				
LCS (BG70590-BS1)								Prepared & Analyzed: 07/17/2017			
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	10.6		"	10.0		106	78-136				
1,1,2,2-Tetrachloroethane	9.77		"	10.0		97.7	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165				
1,1,2-Trichloroethane	9.98		"	10.0		99.8	82-123				
1,1-Dichloroethane	10.7		"	10.0		107	82-129				
1,1-Dichloroethylene	10.4		"	10.0		104	68-138				
1,1-Dichloropropylene	10.7		"	10.0		107	83-133				
1,2,3-Trichlorobenzene	10.3		"	10.0		103	76-136				
1,2,3-Trichloropropane	9.56		"	10.0		95.6	77-128				
1,2,4-Trichlorobenzene	10.2		"	10.0		102	76-137				
1,2,4-Trimethylbenzene	10.8		"	10.0		108	82-132				
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	45-147				
1,2-Dibromoethane	9.89		"	10.0		98.9	83-124				
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123				
1,2-Dichloroethane	9.98		"	10.0		99.8	73-132				
1,2-Dichloropropane	10.2		"	10.0		102	78-126				
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131				
1,3-Dichlorobenzene	10.6		"	10.0		106	86-122				
1,3-Dichloropropane	9.87		"	10.0		98.7	81-125				
1,4-Dichlorobenzene	10.6		"	10.0		106	85-124				
2,2-Dichloropropane	12.2		"	10.0		122	56-150				
2-Chlorotoluene	10.7		"	10.0		107	79-130				
2-Hexanone	10.0		"	10.0		100	51-146				
4-Chlorotoluene	10.7		"	10.0		107	79-128				
Acetone	8.77		"	10.0		87.7	14-150				
Benzene	10.7		"	10.0		107	85-126				
Bromobenzene	10.2		"	10.0		102	78-129				
Bromochloromethane	10.8		"	10.0		108	77-128				
Bromodichloromethane	10.3		"	10.0		103	79-128				
Bromoform	10.0		"	10.0		100	78-133				
Bromomethane	10.4		"	10.0		104	43-168				

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 BG70590 - EPA 5030B											
LCS (BG70590-BS1)								Prepared & Analyzed: 07/17/2017			
Carbon tetrachloride	10.5		ug/L	10.0		105	77-141				
Chlorobenzene	10.5		"	10.0		105	88-120				
Chloroethane	9.34		"	10.0		93.4	65-136				
Chloroform	10.7		"	10.0		107	82-128				
Chloromethane	10.6		"	10.0		106	43-155				
cis-1,2-Dichloroethylene	10.7		"	10.0		107	83-129				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131				
Dibromochloromethane	9.98		"	10.0		99.8	80-130				
Dibromomethane	10.1		"	10.0		101	72-134				
Dichlorodifluoromethane	10.9		"	10.0		109	44-144				
Ethyl Benzene	11.0		"	10.0		110	80-131				
Hexachlorobutadiene	9.94		"	10.0		99.4	67-146				
Isopropylbenzene	10.8		"	10.0		108	76-140				
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	76-135				
Methylene chloride	9.16		"	10.0		91.6	55-137				
Naphthalene	10.6		"	10.0		106	70-147				
n-Butylbenzene	11.2		"	10.0		112	79-132				
n-Propylbenzene	10.9		"	10.0		109	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	22.1		"	20.0		110	77-133				
p-Isopropyltoluene	10.8		"	10.0		108	81-136				
sec-Butylbenzene	11.0		"	10.0		110	79-137				
Styrene	10.8		"	10.0		108	67-132				
tert-Butylbenzene	10.8		"	10.0		108	77-138				
Tetrachloroethylene	10.0		"	10.0		100	82-131				
Toluene	10.4		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	10.4		"	10.0		104	67-139				
Vinyl Chloride	10.4		"	10.0		104	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: Toluene-d8	*9.77*		*"*	*10.0*		*97.7*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.77*		*"*	*10.0*		*97.7*	*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
Batch BG70590 - EPA 5030B											
LCS Dup (BG70590-BSD1)								Prepared & Analyzed: 07/17/2017			
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82-126		1.36	30	
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136		0.376	30	
1,1,2,2-Tetrachloroethane	9.24		"	10.0		92.4	76-129		5.58	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	54-165		1.38	30	
1,1,2-Trichloroethane	9.74		"	10.0		97.4	82-123		2.43	30	
1,1-Dichloroethane	10.6		"	10.0		106	82-129		1.41	30	
1,1-Dichloroethylene	10.7		"	10.0		107	68-138		2.85	30	
1,1-Dichloropropylene	10.8		"	10.0		108	83-133		0.927	30	
1,2,3-Trichlorobenzene	10.9		"	10.0		109	76-136		5.87	30	
1,2,3-Trichloropropane	8.49		"	10.0		84.9	77-128		11.9	30	
1,2,4-Trichlorobenzene	10.2		"	10.0		102	76-137		0.196	30	
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132		2.24	30	
1,2-Dibromo-3-chloropropane	9.08		"	10.0		90.8	45-147		10.4	30	
1,2-Dibromoethane	9.80		"	10.0		98.0	83-124		0.914	30	
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123		0.396	30	
1,2-Dichloroethane	10.0		"	10.0		100	73-132		0.500	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		0.294	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131		1.86	30	
1,3-Dichlorobenzene	10.3		"	10.0		103	86-122		2.96	30	
1,3-Dichloropropane	9.86		"	10.0		98.6	81-125		0.101	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124		3.36	30	
2,2-Dichloropropane	12.0		"	10.0		120	56-150		1.48	30	
2-Chlorotoluene	10.5		"	10.0		105	79-130		2.08	30	
2-Hexanone	9.61		"	10.0		96.1	51-146		4.48	30	
4-Chlorotoluene	10.6		"	10.0		106	79-128		0.470	30	
Acetone	7.59		"	10.0		75.9	14-150		14.4	30	
Benzene	10.6		"	10.0		106	85-126		0.749	30	
Bromobenzene	9.94		"	10.0		99.4	78-129		2.97	30	
Bromochloromethane	10.5		"	10.0		105	77-128		2.82	30	
Bromodichloromethane	10.1		"	10.0		101	79-128		2.26	30	
Bromoform	9.64		"	10.0		96.4	78-133		3.87	30	
Bromomethane	10.2		"	10.0		102	43-168		1.75	30	
Carbon tetrachloride	10.7		"	10.0		107	77-141		1.32	30	
Chlorobenzene	10.3		"	10.0		103	88-120		1.35	30	
Chloroethane	9.03		"	10.0		90.3	65-136		3.38	30	
Chloroform	10.5		"	10.0		105	82-128		2.55	30	
Chloromethane	10.4		"	10.0		104	43-155		1.71	30	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129		0.468	30	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	80-131		3.09	30	
Dibromochloromethane	9.51		"	10.0		95.1	80-130		4.82	30	
Dibromomethane	9.54		"	10.0		95.4	72-134		5.60	30	
Dichlorodifluoromethane	10.7		"	10.0		107	44-144		2.12	30	
Ethyl Benzene	11.0		"	10.0		110	80-131		0.182	30	
Hexachlorobutadiene	10.6		"	10.0		106	67-146		6.14	30	
Isopropylbenzene	10.8		"	10.0		108	76-140		0.278	30	
Methyl tert-butyl ether (MTBE)	9.55		"	10.0		95.5	76-135		6.78	30	
Methylene chloride	9.12		"	10.0		91.2	55-137		0.438	30	
Naphthalene	11.1		"	10.0		111	70-147		4.87	30	
n-Butylbenzene	11.0		"	10.0		110	79-132		1.90	30	
n-Propylbenzene	11.0		"	10.0		110	78-133		0.366	30	
o-Xylene	11.0		"	10.0		110	78-130		1.56	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG70590 - EPA 5030B											
LCS Dup (BG70590-BSD1)								Prepared & Analyzed: 07/17/2017			
p- & m- Xylenes	22.3		ug/L	20.0		111	77-133		1.04	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		0.00	30	
sec-Butylbenzene	10.8		"	10.0		108	79-137		1.29	30	
Styrene	10.8		"	10.0		108	67-132		0.462	30	
tert-Butylbenzene	10.6		"	10.0		106	77-138		1.40	30	
Tetrachloroethylene	10.1		"	10.0		101	82-131		0.199	30	
Toluene	10.6		"	10.0		106	80-127		1.43	30	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132		0.288	30	
trans-1,3-Dichloropropylene	9.84		"	10.0		98.4	78-131		5.82	30	
Trichloroethylene	10.6		"	10.0		106	82-128		3.15	30	
Trichlorofluoromethane	10.8		"	10.0		108	67-139		4.07	30	
Vinyl Chloride	10.3		"	10.0		103	58-145		0.483	30	
Surrogate: 1,2-Dichloroethane-d4	*9.76*		*"*	*10.0*		*97.6*	*69-130*				
Surrogate: Toluene-d8	*9.81*		*"*	*10.0*		*98.1*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.49*		*"*	*10.0*		*94.9*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17G0192-01	WQ070617:1320NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

CCV-E The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

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* 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

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. 17G0192

YOUR Information	**Report To:**	**Invoice To:**
Company: LBG	Company: Same	Company: Same
Address: 4 Research Dr, Suite 301 Shelton, CT 06484	Address:	Address:
Phone No. 203-929-8555	Phone No.	Phone No.
Contact Person: Tunde Sander	Attention:	Attention:
E-Mail Address: TSander@LBGCT.com	E-Mail Address:	E-Mail Address:

YOUR Project ID: Rowe Industries.

Purchase Order No.: NABSAG

Samples from: CT ___ NY X NJ ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

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

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

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

Samples Collected/Authorized By (Signature)

Name (printed)

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

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ070617.1320 NPI-1-2	7-6-17	GW	VOC 8260 full list (EPA SW846-8260B) plus freon 113	3 VOAs

Preservation Check those Applicable: 4°C X Frozen ___ HCl X MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions

Field Filtered ☐
Lab to Filter ☐

Comments

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	7-7-17 800	LBG Fridge	7-7-17 800
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		[signature]	7/10/17 1502

Temperature on Receipt 2.8 °C

Rec'd at 7/6/17 1350

(RW & FAW)

Technical Report

prepared for:

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

Report Date: 07/17/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17G0191

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 07/17/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17G0191

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 July 10, 2017 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
17G0191-01	WQ070617:1300FRW-1	Water	07/06/2017	07/10/2017
17G0191-02	WQ070617:1305FRW-2	Water	07/06/2017	07/10/2017
17G0191-03	WQ070617:1310FRW-3	Water	07/06/2017	07/10/2017
17G0191-04	WQ070617:1315FRW-4	Water	07/06/2017	07/10/2017

General Notes for York Project (SDG) No.: 17G0191

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.
9. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 07/17/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ070617:1300FRW-1 **York Sample ID:** 17G0191-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0191	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:10	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:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:10	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:10	SS

Sample Information

Client Sample ID: WQ070617:1300FRW-1 **York Sample ID:** 17G0191-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0191	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
156-59-2	**cis-1,2-Dichloroethylene**	**1.1**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS

Sample Information

Client Sample ID: WQ070617:1300FRW-1 **York Sample ID:** 17G0191-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0191	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	07/14/2017 10:29	07/15/2017 16:10	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	07/14/2017 10:29	07/15/2017 16:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
127-18-4	**Tetrachloroethylene**	**3.6**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	07/14/2017 10:29	07/15/2017 16:10	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*98.8 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*107 %*	*79-122*

Sample Information

Client Sample ID: WQ070617:1305FRW-2 **York Sample ID:** 17G0191-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0191	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS

Sample Information

Client Sample ID: WQ070617:1305FRW-2 **York Sample ID:** 17G0191-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0191	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
67-64-1	**Acetone**	**1.8**	SCAL-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 16:42	SS

Sample Information

Client Sample ID: WQ070617:1305FRW-2 **York Sample ID:** 17G0191-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0191	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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:	07/14/2017 10:29	07/15/2017 16:42	SS CTDOH,NELAC-NY10854,NJDEP
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS NELAC-NY10854,NJDEP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS CTDOH,NELAC-NY10854,NJDEP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS CTDOH,NELAC-NY10854,NJDEP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS NELAC-NY10854
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS NELAC-NY10854
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS CTDOH,NELAC-NY10854,NJDEP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS CTDOH,NELAC-NY10854,NJDEP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS CTDOH,NELAC-NY10854,NJDEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS CTDOH,NELAC-NY10854,NJDEP
127-18-4	**Tetrachloroethylene**	**0.57**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS CTDOH,NELAC-NY10854,NJDEP
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS CTDOH,NELAC-NY10854,NJDEP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS CTDOH,NELAC-NY10854,NJDEP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS CTDOH,NELAC-NY10854,NJDEP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS CTDOH,NELAC-NY10854,NJDEP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS CTDOH,NELAC-NY10854,NJDEP
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS CTDOH,NELAC-NY10854,NJDEP
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	07/14/2017 10:29	07/15/2017 16:42	SS CTDOH,NJDEP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.3 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*98.0 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.7 %*	*79-122*

Sample Information

Client Sample ID: WQ070617:1310FRW-3 **York Sample ID:** 17G0191-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0191	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS

Sample Information

Client Sample ID: WQ070617:1310FRW-3 **York Sample ID:** 17G0191-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0191	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
67-64-1	**Acetone**	**2.4**	SCAL-E	ug/L	1.0	2.0	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
156-59-2	**cis-1,2-Dichloroethylene**	**1.8**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:14	SS

Sample Information

Client Sample ID: WQ070617:1310FRW-3 **York Sample ID:** 17G0191-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0191	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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	07/14/2017 10:29	07/15/2017 17:14	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:14	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:14	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:14	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	07/14/2017 10:29	07/15/2017 17:14	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	07/14/2017 10:29	07/15/2017 17:14	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:14	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:14	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:14	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:14	SS
127-18-4	**Tetrachloroethylene**	**3.4**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:14	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:14	SS
79-01-6	**Trichloroethylene**	**0.70**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:14	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:14	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	07/14/2017 10:29	07/15/2017 17:14	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*100 %*	*79-122*

Sample Information

Client Sample ID: WQ070617:1315FRW-4 **York Sample ID:** 17G0191-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0191	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	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:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS

Sample Information

Client Sample ID: WQ070617:1315FRW-4 **York Sample ID:** 17G0191-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0191	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
67-64-1	**Acetone**	**1.1**	SCAL-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
156-59-2	**cis-1,2-Dichloroethylene**	**0.28**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	07/14/2017 10:29 CTDOH,NELAC-NY10854,NJDEP	07/15/2017 17:46	SS

Sample Information

Client Sample ID: WQ070617:1315FRW-4 **York Sample ID:** 17G0191-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0191	Rowe Industries	Water	July 6, 2017 3:00 pm	07/10/2017

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	07/14/2017 10:29	07/15/2017 17:46	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:46	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:46	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:46	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	07/14/2017 10:29	07/15/2017 17:46	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	07/14/2017 10:29	07/15/2017 17:46	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:46	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:46	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:46	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:46	SS
127-18-4	**Tetrachloroethylene**	**0.27**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:46	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:46	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/14/2017 10:29	07/15/2017 17:46	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	07/14/2017 10:29	07/15/2017 17:46	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*99.3 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.3 %*	*79-122*

Analytical Batch Summary

Batch ID: BG70523 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17G0191-01	WQ070617:1300FRW-1	07/14/17
17G0191-02	WQ070617:1305FRW-2	07/14/17
17G0191-03	WQ070617:1310FRW-3	07/14/17
17G0191-04	WQ070617:1315FRW-4	07/14/17
BG70523-BLK1	Blank	07/14/17
BG70523-BS1	LCS	07/14/17
BG70523-BSD1	LCS Dup	07/14/17

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 BG70523 - EPA 5030B											
Blank (BG70523-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								

Prepared: 07/14/2017 Analyzed: 07/15/2017

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 BG70523 - EPA 5030B											
Blank (BG70523-BLK1)											Prepared: 07/14/2017 Analyzed: 07/15/2017
o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*8.87*		*"*	*10.0*		*88.7*	*69-130*				
Surrogate: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				
LCS (BG70523-BS1)											Prepared: 07/14/2017 Analyzed: 07/15/2017
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126				
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136				
1,1,2,2-Tetrachloroethane	9.68		"	10.0		96.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	54-165				
1,1,2-Trichloroethane	9.61		"	10.0		96.1	82-123				
1,1-Dichloroethane	10.6		"	10.0		106	82-129				
1,1-Dichloroethylene	10.4		"	10.0		104	68-138				
1,1-Dichloropropylene	10.8		"	10.0		108	83-133				
1,2,3-Trichlorobenzene	11.3		"	10.0		113	76-136				
1,2,3-Trichloropropane	9.67		"	10.0		96.7	77-128				
1,2,4-Trichlorobenzene	10.5		"	10.0		105	76-137				
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132				
1,2-Dibromo-3-chloropropane	9.06		"	10.0		90.6	45-147				
1,2-Dibromoethane	9.82		"	10.0		98.2	83-124				
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123				
1,2-Dichloroethane	9.36		"	10.0		93.6	73-132				
1,2-Dichloropropane	10.2		"	10.0		102	78-126				
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131				
1,3-Dichlorobenzene	10.6		"	10.0		106	86-122				
1,3-Dichloropropane	9.89		"	10.0		98.9	81-125				
1,4-Dichlorobenzene	10.7		"	10.0		107	85-124				
2,2-Dichloropropane	8.61		"	10.0		86.1	56-150				
2-Chlorotoluene	10.6		"	10.0		106	79-130				
2-Hexanone	9.00		"	10.0		90.0	51-146				
4-Chlorotoluene	10.6		"	10.0		106	79-128				
Acetone	8.90		"	10.0		89.0	14-150				
Benzene	10.8		"	10.0		108	85-126				
Bromobenzene	10.3		"	10.0		103	78-129				
Bromochloromethane	9.77		"	10.0		97.7	77-128				
Bromodichloromethane	9.83		"	10.0		98.3	79-128				
Bromoform	9.63		"	10.0		96.3	78-133				
Bromomethane	11.7		"	10.0		117	43-168				

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 BG70523 - EPA 5030B											
LCS (BG70523-BS1)									Prepared: 07/14/2017 Analyzed: 07/15/2017		
Carbon tetrachloride	10.2		ug/L	10.0		102	77-141				
Chlorobenzene	10.4		"	10.0		104	88-120				
Chloroethane	10.2		"	10.0		102	65-136				
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	9.53		"	10.0		95.3	43-155				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129				
cis-1,3-Dichloropropylene	9.80		"	10.0		98.0	80-131				
Dibromochloromethane	9.67		"	10.0		96.7	80-130				
Dibromomethane	9.86		"	10.0		98.6	72-134				
Dichlorodifluoromethane	9.60		"	10.0		96.0	44-144				
Ethyl Benzene	10.7		"	10.0		107	80-131				
Hexachlorobutadiene	11.9		"	10.0		119	67-146				
Isopropylbenzene	10.8		"	10.0		108	76-140				
Methyl tert-butyl ether (MTBE)	9.93		"	10.0		99.3	76-135				
Methylene chloride	9.76		"	10.0		97.6	55-137				
Naphthalene	11.0		"	10.0		110	70-147				
n-Butylbenzene	10.4		"	10.0		104	79-132				
n-Propylbenzene	10.9		"	10.0		109	78-133				
o-Xylene	10.5		"	10.0		105	78-130				
p- & m- Xylenes	21.6		"	20.0		108	77-133				
p-Isopropyltoluene	10.7		"	10.0		107	81-136				
sec-Butylbenzene	10.7		"	10.0		107	79-137				
Styrene	10.8		"	10.0		108	67-132				
tert-Butylbenzene	10.8		"	10.0		108	77-138				
Tetrachloroethylene	11.6		"	10.0		116	82-131				
Toluene	10.6		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	10.3		"	10.0		103	80-132				
trans-1,3-Dichloropropylene	9.45		"	10.0		94.5	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	10.0		"	10.0		100	67-139				
Vinyl Chloride	10.2		"	10.0		102	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.38*		*"*	*10.0*		*93.8*	*69-130*				
Surrogate: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*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
Batch BG70523 - EPA 5030B											
LCS Dup (BG70523-BSD1)									Prepared: 07/14/2017 Analyzed: 07/15/2017		
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82-126		1.26	30	
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136		0.0984	30	
1,1,2,2-Tetrachloroethane	9.97		"	10.0		99.7	76-129		2.95	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	54-165		0.00	30	
1,1,2-Trichloroethane	10.1		"	10.0		101	82-123		4.58	30	
1,1-Dichloroethane	10.5		"	10.0		105	82-129		0.570	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		0.00	30	
1,1-Dichloropropylene	10.6		"	10.0		106	83-133		1.86	30	
1,2,3-Trichlorobenzene	10.5		"	10.0		105	76-136		6.89	30	
1,2,3-Trichloropropane	9.85		"	10.0		98.5	77-128		1.84	30	
1,2,4-Trichlorobenzene	10.5		"	10.0		105	76-137		0.285	30	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132		1.76	30	
1,2-Dibromo-3-chloropropane	9.65		"	10.0		96.5	45-147		6.31	30	
1,2-Dibromoethane	10.2		"	10.0		102	83-124		3.70	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123		3.01	30	
1,2-Dichloroethane	9.22		"	10.0		92.2	73-132		1.51	30	
1,2-Dichloropropane	10.4		"	10.0		104	78-126		2.43	30	
1,3,5-Trimethylbenzene	11.0		"	10.0		110	80-131		1.74	30	
1,3-Dichlorobenzene	10.8		"	10.0		108	86-122		1.77	30	
1,3-Dichloropropane	10.0		"	10.0		100	81-125		1.21	30	
1,4-Dichlorobenzene	11.0		"	10.0		110	85-124		2.39	30	
2,2-Dichloropropane	8.76		"	10.0		87.6	56-150		1.73	30	
2-Chlorotoluene	10.7		"	10.0		107	79-130		1.41	30	
2-Hexanone	9.12		"	10.0		91.2	51-146		1.32	30	
4-Chlorotoluene	10.9		"	10.0		109	79-128		2.61	30	
Acetone	7.90		"	10.0		79.0	14-150		11.9	30	
Benzene	10.9		"	10.0		109	85-126		0.830	30	
Bromobenzene	10.5		"	10.0		105	78-129		2.12	30	
Bromochloromethane	10.3		"	10.0		103	77-128		5.18	30	
Bromodichloromethane	9.94		"	10.0		99.4	79-128		1.11	30	
Bromoform	10.0		"	10.0		100	78-133		4.17	30	
Bromomethane	12.2		"	10.0		122	43-168		4.18	30	
Carbon tetrachloride	10.2		"	10.0		102	77-141		0.0977	30	
Chlorobenzene	10.6		"	10.0		106	88-120		1.62	30	
Chloroethane	10.4		"	10.0		104	65-136		2.53	30	
Chloroform	10.2		"	10.0		102	82-128		0.488	30	
Chloromethane	9.83		"	10.0		98.3	43-155		3.10	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	83-129		1.67	30	
cis-1,3-Dichloropropylene	9.96		"	10.0		99.6	80-131		1.62	30	
Dibromochloromethane	9.81		"	10.0		98.1	80-130		1.44	30	
Dibromomethane	10.0		"	10.0		100	72-134		1.81	30	
Dichlorodifluoromethane	9.71		"	10.0		97.1	44-144		1.14	30	
Ethyl Benzene	10.8		"	10.0		108	80-131		0.834	30	
Hexachlorobutadiene	11.1		"	10.0		111	67-146		7.31	30	
Isopropylbenzene	11.1		"	10.0		111	76-140		2.10	30	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	76-135		0.802	30	
Methylene chloride	9.60		"	10.0		96.0	55-137		1.65	30	
Naphthalene	10.9		"	10.0		109	70-147		1.37	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		3.86	30	
n-Propylbenzene	11.1		"	10.0		111	78-133		1.73	30	
o-Xylene	10.6		"	10.0		106	78-130		1.13	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG70523 - EPA 5030B											
LCS Dup (BG70523-BSD1)									Prepared: 07/14/2017 Analyzed: 07/15/2017		
p- & m- Xylenes	21.8		ug/L	20.0		109	77-133		0.924	30	
p-Isopropyltoluene	10.9		"	10.0		109	81-136		2.22	30	
sec-Butylbenzene	11.1		"	10.0		111	79-137		3.12	30	
Styrene	10.9		"	10.0		109	67-132		1.10	30	
tert-Butylbenzene	10.9		"	10.0		109	77-138		1.20	30	
Tetrachloroethylene	11.2		"	10.0		112	82-131		3.78	30	
Toluene	10.6		"	10.0		106	80-127		0.283	30	
trans-1,2-Dichloroethylene	10.5		"	10.0		105	80-132		1.73	30	
trans-1,3-Dichloropropylene	9.64		"	10.0		96.4	78-131		1.99	30	
Trichloroethylene	10.4		"	10.0		104	82-128		0.482	30	
Trichlorofluoromethane	10.4		"	10.0		104	67-139		3.62	30	
Vinyl Chloride	10.6		"	10.0		106	58-145		3.93	30	
Surrogate: 1,2-Dichloroethane-d4	*9.24*		*"*	*10.0*		*92.4*	*69-130*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17G0191-01	WQ070617:1300FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17G0191-02	WQ070617:1305FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17G0191-03	WQ070617:1310FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17G0191-04	WQ070617:1315FRW-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%).
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.

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*	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

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. 17G0191

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

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

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

YOUR Project ID
Rowe Industries.

Purchase Order No.
MABSA6

Samples from: CT ___ NY X NJ ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

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

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

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

Samples Collected/Authorized By (Signature)

Evan Foster
Name (printed)

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

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ070617:1300 FRW-1	7-6-17	GW	VOC 8260 full list (EPA SW846-8260B) plus freon 113	3 voa's
WQ070617:1305 FRW-2	"	"	"	"
WQ070617:1310 FRW-3	"	"	"	"
WQ070617:1315 FRW-4	"	"	"	"

Comments

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

4°C X Frozen ___ HCl X MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
~~Zn Ac~~ Ascorbic Acid Other

Samples Relinquished By	7/7/17 800 Date/Time	LBG Fridge 7/7/17 800 Samples Received By Date/Time	Temperature on Receipt 2.8 °C
Samples Relinquished By	Date/Time	Samples Received in LAB by 7/10/17-1502 Date/Time	

Redlett 7/10/17 1350

(RW & FRW)

APPENDIX III

JULY 2017 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: 07/25/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17G0715

Report Date: 07/25/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17G0715

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 July 21, 2017 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
17G0715-01	AQ071917:1345NP4-1	Vapor Extraction	07/19/2017	07/21/2017
17G0715-02	AQ071917:1350NP4-3	Vapor Extraction	07/19/2017	07/21/2017

General Notes for York Project (SDG) No.: 17G0715

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.
9. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 07/25/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: AQ071917:1345NP4-1 **York Sample ID:** 17G0715-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0715	Rowe Industries	Vapor Extraction	July 19, 2017 1:45 pm	07/21/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	11	16.48	EPA TO-15 Certifications:	07/24/2017 15:48	07/24/2017 15:48	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	9.0	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	11	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	13	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.0	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	6.7	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	6.5	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	12	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	8.1	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	13	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	9.9	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	6.7	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	7.6	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	12	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	8.1	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	11	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	9.9	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	7.6	16.48	EPA TO-15 Certifications:	07/24/2017 15:48	07/24/2017 15:48	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	9.9	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	12	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
78-93-3	2-Butanone	ND		ug/m³	4.9	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	14	16.48	EPA TO-15 Certifications:	07/24/2017 15:48	07/24/2017 15:48	LDS

Sample Information

Client Sample ID: AQ071917:1345NP4-1 **York Sample ID:** 17G0715-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0715	Rowe Industries	Vapor Extraction	July 19, 2017 1:45 pm	07/21/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	26	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	6.8	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
67-64-1	Acetone	ND		ug/m³	7.8	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
107-13-1	Acrylonitrile	ND		ug/m³	3.6	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
71-43-2	Benzene	ND		ug/m³	5.3	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
100-44-7	Benzyl chloride	ND		ug/m³	8.5	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	11	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
75-25-2	Bromoform	ND		ug/m³	17	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
74-83-9	Bromomethane	ND		ug/m³	6.4	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
75-15-0	Carbon disulfide	ND		ug/m³	5.1	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	2.6	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
108-90-7	Chlorobenzene	ND		ug/m³	7.6	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
75-00-3	Chloroethane	ND		ug/m³	4.3	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
67-66-3	Chloroform	ND		ug/m³	8.0	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
74-87-3	Chloromethane	ND		ug/m³	3.4	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	6.5	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	7.5	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
110-82-7	Cyclohexane	ND		ug/m³	5.7	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	14	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	8.1	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	12	16.48	EPA TO-15 Certifications:	07/24/2017 15:48	07/24/2017 15:48	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	7.2	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	18	16.48	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	07/24/2017 15:48	LDS

Sample Information

Client Sample ID: AQ071917:1345NP4-1 **York Sample ID:** 17G0715-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0715	Rowe Industries	Vapor Extraction	July 19, 2017 1:45 pm	07/21/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	ND		ug/m³	8.1	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	6.7	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	5.9	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
75-09-2	Methylene chloride	ND		ug/m³	11	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
142-82-5	n-Heptane	ND		ug/m³	6.8	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
110-54-3	n-Hexane	ND		ug/m³	5.8	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
95-47-6	o-Xylene	ND		ug/m³	7.2	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	14	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	8.1	16.48	EPA TO-15 Certifications:	07/24/2017 15:48	07/24/2017 15:48	LDS
115-07-1	* Propylene	ND		ug/m³	2.8	16.48	EPA TO-15 Certifications:	07/24/2017 15:48	07/24/2017 15:48	LDS
100-42-5	Styrene	ND		ug/m³	7.0	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
127-18-4	**Tetrachloroethylene**	**6.7**		ug/m³	2.8	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	9.7	16.48	EPA TO-15 Certifications:	07/24/2017 15:48	07/24/2017 15:48	LDS
108-88-3	Toluene	ND		ug/m³	6.2	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	6.5	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	7.5	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
79-01-6	Trichloroethylene	ND		ug/m³	2.2	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	9.3	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
108-05-4	Vinyl acetate	ND		ug/m³	5.8	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
593-60-2	Vinyl bromide	ND		ug/m³	7.2	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	4.2	16.48	EPA TO-15 Certifications:	07/24/2017 15:48 NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 15:48	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*72-118*

Sample Information

Client Sample ID: AQ071917:1350NP4-3 **York Sample ID:** 17G0715-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0715	Rowe Industries	Vapor Extraction	July 19, 2017 1:50 pm	07/21/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	11	16.54	EPA TO-15 Certifications:	07/24/2017 16:45	07/24/2017 16:49	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	9.0	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	11	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	13	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.0	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	6.7	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	6.6	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	12	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	8.1	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	13	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	9.9	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	6.7	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	7.6	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	12	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	8.1	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	11	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	9.9	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	7.6	16.54	EPA TO-15 Certifications:	07/24/2017 16:45	07/24/2017 16:49	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	9.9	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	12	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
78-93-3	2-Butanone	ND		ug/m³	4.9	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	14	16.54	EPA TO-15 Certifications:	07/24/2017 16:45	07/24/2017 16:49	LDS
107-05-1	3-Chloropropene	ND		ug/m³	26	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS

Sample Information

Client Sample ID: AQ071917:1350NP4-3 **York Sample ID:** 17G0715-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0715	Rowe Industries	Vapor Extraction	July 19, 2017 1:50 pm	07/21/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	6.8	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
67-64-1	Acetone	ND		ug/m³	7.9	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
107-13-1	Acrylonitrile	ND		ug/m³	3.6	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
71-43-2	Benzene	ND		ug/m³	5.3	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
100-44-7	Benzyl chloride	ND		ug/m³	8.6	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	11	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
75-25-2	Bromoform	ND		ug/m³	17	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
74-83-9	Bromomethane	ND		ug/m³	6.4	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
75-15-0	Carbon disulfide	ND		ug/m³	5.2	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	2.6	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
108-90-7	Chlorobenzene	ND		ug/m³	7.6	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
75-00-3	Chloroethane	ND		ug/m³	4.4	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
67-66-3	Chloroform	ND		ug/m³	8.1	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
74-87-3	**Chloromethane**	**3.4**		ug/m³	3.4	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	6.6	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	7.5	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
110-82-7	Cyclohexane	ND		ug/m³	5.7	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	14	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	8.2	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	12	16.54	EPA TO-15 Certifications:	07/24/2017 16:45	07/24/2017 16:49	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	7.2	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	18	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
67-63-0	Isopropanol	ND		ug/m³	8.1	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS

Sample Information

Client Sample ID: AQ071917:1350NP4-3 **York Sample ID:** 17G0715-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0715	Rowe Industries	Vapor Extraction	July 19, 2017 1:50 pm	07/21/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m³	6.8	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.0	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
75-09-2	Methylene chloride	ND		ug/m³	11	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
142-82-5	n-Heptane	ND		ug/m³	6.8	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
110-54-3	n-Hexane	ND		ug/m³	5.8	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
95-47-6	o-Xylene	ND		ug/m³	7.2	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	14	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	8.1	16.54	EPA TO-15 Certifications:	07/24/2017 16:45	07/24/2017 16:49	LDS
115-07-1	* Propylene	ND		ug/m³	2.8	16.54	EPA TO-15 Certifications:	07/24/2017 16:45	07/24/2017 16:49	LDS
100-42-5	Styrene	ND		ug/m³	7.0	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
127-18-4	**Tetrachloroethylene**	**4.5**		ug/m³	2.8	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	9.8	16.54	EPA TO-15 Certifications:	07/24/2017 16:45	07/24/2017 16:49	LDS
108-88-3	Toluene	ND		ug/m³	6.2	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	6.6	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	7.5	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
79-01-6	Trichloroethylene	ND		ug/m³	2.2	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	9.3	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
108-05-4	Vinyl acetate	ND		ug/m³	5.8	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
593-60-2	Vinyl bromide	ND		ug/m³	7.2	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	4.2	16.54	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	07/24/2017 16:45	07/24/2017 16:49	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*72-118*

Analytical Batch Summary

Batch ID: BG70952 **Preparation Method:** EPA TO15 PREP **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
17G0715-01	AQ071917:1345NP4-1	07/24/17
17G0715-02	AQ071917:1350NP4-3	07/24/17
BG70952-BLK1	Blank	07/24/17
BG70952-BS1	LCS	07/24/17
BG70952-DUP1	Duplicate	07/24/17

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG70952 - EPA TO15 PREP											
Blank (BG70952-BLK1)											Prepared & Analyzed: 07/24/2017
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
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	0.66	"								
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	0.67	"								
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	0.85	"								
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	"								

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

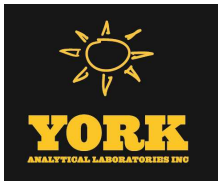
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG70952 - EPA TO15 PREP											
Blank (BG70952-BLK1)								Prepared & Analyzed: 07/24/2017			
n-Hexane	ND	0.35	ug/m³								
o-Xylene	ND	0.43	"								
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	"								
Surrogate: p-Bromofluorobenzene	*9.35*		*ppbv*	*10.0*		*93.5*	*72-118*				
LCS (BG70952-BS1)								Prepared & Analyzed: 07/24/2017			
1,1,1,2-Tetrachloroethane	9.06		ppbv	10.0		90.6	70-130				
1,1,1-Trichloroethane	9.75		"	10.0		97.5	70-130				
1,1,2,2-Tetrachloroethane	9.25		"	10.0		92.5	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	70-130				
1,1,2-Trichloroethane	8.91		"	10.0		89.1	70-130				
1,1-Dichloroethane	9.60		"	10.0		96.0	70-130				
1,1-Dichloroethylene	9.29		"	10.0		92.9	70-130				
1,2,4-Trichlorobenzene	8.10		"	10.0		81.0	70-130				
1,2,4-Trimethylbenzene	8.76		"	10.0		87.6	70-130				
1,2-Dibromoethane	9.11		"	10.0		91.1	70-130				
1,2-Dichlorobenzene	8.65		"	10.0		86.5	70-130				
1,2-Dichloroethane	9.20		"	10.0		92.0	70-130				
1,2-Dichloropropane	8.77		"	10.0		87.7	70-130				
1,2-Dichlorotetrafluoroethane	10.7		"	10.0		107	70-130				
1,3,5-Trimethylbenzene	8.88		"	10.0		88.8	70-130				
1,3-Butadiene	10.4		"	10.0		104	70-130				
1,3-Dichlorobenzene	8.58		"	10.0		85.8	70-130				
1,3-Dichloropropane	8.78		"	10.0		87.8	70-130				
1,4-Dichlorobenzene	8.34		"	10.0		83.4	70-130				
1,4-Dioxane	6.67		"	10.0		66.7	70-130	Low Bias			
2-Butanone	8.58		"	10.0		85.8	70-130				
2-Hexanone	6.72		"	10.0		67.2	70-130	Low Bias			
3-Chloropropene	9.40		"	10.0		94.0	70-130				
4-Methyl-2-pentanone	7.76		"	10.0		77.6	70-130				
Acetone	7.65		"	10.0		76.5	70-130				
Acrylonitrile	9.97		"	10.0		99.7	70-130				
Benzene	9.32		"	10.0		93.2	70-130				
Benzyl chloride	7.78		"	10.0		77.8	70-130				
Bromodichloromethane	9.11		"	10.0		91.1	70-130				
Bromoform	9.64		"	10.0		96.4	70-130				
Bromomethane	9.81		"	10.0		98.1	70-130				
Carbon disulfide	10.5		"	10.0		105	70-130				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG70952 - EPA TO15 PREP											
LCS (BG70952-BS1)								Prepared & Analyzed: 07/24/2017			
Carbon tetrachloride	9.87		ppbv	10.0		98.7	70-130				
Chlorobenzene	8.93		"	10.0		89.3	70-130				
Chloroethane	10.2		"	10.0		102	70-130				
Chloroform	9.57		"	10.0		95.7	70-130				
Chloromethane	11.0		"	10.0		110	70-130				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	70-130				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130				
Cyclohexane	9.33		"	10.0		93.3	70-130				
Dibromochloromethane	9.09		"	10.0		90.9	70-130				
Dichlorodifluoromethane	10.7		"	10.0		107	70-130				
Ethyl acetate	9.38		"	10.0		93.8	70-130				
Ethyl Benzene	8.99		"	10.0		89.9	70-130				
Hexachlorobutadiene	8.55		"	10.0		85.5	70-130				
Isopropanol	8.49		"	10.0		84.9	70-130				
Methyl Methacrylate	9.07		"	10.0		90.7	70-130				
Methyl tert-butyl ether (MTBE)	9.25		"	10.0		92.5	70-130				
Methylene chloride	9.31		"	10.0		93.1	70-130				
n-Heptane	9.05		"	10.0		90.5	70-130				
n-Hexane	9.48		"	10.0		94.8	70-130				
o-Xylene	9.04		"	10.0		90.4	70-130				
p- & m- Xylenes	17.7		"	20.0		88.4	70-130				
p-Ethyltoluene	9.25		"	10.0		92.5	70-130				
Propylene	10.2		"	10.0		102	70-130				
Styrene	9.12		"	10.0		91.2	70-130				
Tetrachloroethylene	7.10		"	10.0		71.0	70-130				
Tetrahydrofuran	8.93		"	10.0		89.3	70-130				
Toluene	8.84		"	10.0		88.4	70-130				
trans-1,2-Dichloroethylene	9.83		"	10.0		98.3	70-130				
trans-1,3-Dichloropropylene	10.0		"	10.0		100	70-130				
Trichloroethylene	9.29		"	10.0		92.9	70-130				
Trichlorofluoromethane (Freon 11)	10.1		"	10.0		101	70-130				
Vinyl acetate	8.50		"	10.0		85.0	70-130				
Vinyl bromide	10.7		"	10.0		107	70-130				
Vinyl Chloride	10.4		"	10.0		104	70-130				
Surrogate: p-Bromofluorobenzene	*9.64*		*"*	*10.0*		*96.4*	*72-118*				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG70952 - EPA TO15 PREP											
Duplicate (BG70952-DUP1)	*Source sample: 17G0715-02 (AQ071917:1350NP4-3)								Prepared & Analyzed: 07/24/2017		
1,1,1,2-Tetrachloroethane	ND	11	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	9.0	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	11	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	13	"		ND					25	
1,1,2-Trichloroethane	ND	9.0	"		ND					25	
1,1-Dichloroethane	ND	6.7	"		ND					25	
1,1-Dichloroethylene	ND	6.6	"		ND					25	
1,2,4-Trichlorobenzene	ND	12	"		ND					25	
1,2,4-Trimethylbenzene	ND	8.1	"		ND					25	
1,2-Dibromoethane	ND	13	"		ND					25	
1,2-Dichlorobenzene	ND	9.9	"		ND					25	
1,2-Dichloroethane	ND	6.7	"		ND					25	
1,2-Dichloropropane	ND	7.6	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	12	"		ND					25	
1,3,5-Trimethylbenzene	ND	8.1	"		ND					25	
1,3-Butadiene	ND	11	"		ND					25	
1,3-Dichlorobenzene	ND	9.9	"		ND					25	
1,3-Dichloropropane	ND	7.6	"		ND					25	
1,4-Dichlorobenzene	ND	9.9	"		ND					25	
1,4-Dioxane	ND	12	"		ND					25	
2-Butanone	ND	4.9	"		ND					25	
2-Hexanone	ND	14	"		ND					25	
3-Chloropropene	ND	26	"		ND					25	
4-Methyl-2-pentanone	ND	6.8	"		ND					25	
Acetone	ND	7.9	"		ND					25	
Acrylonitrile	ND	3.6	"		ND					25	
Benzene	ND	5.3	"		ND					25	
Benzyl chloride	ND	8.6	"		ND					25	
Bromodichloromethane	ND	11	"		ND					25	
Bromoform	ND	17	"		ND					25	
Bromomethane	ND	6.4	"		ND					25	
Carbon disulfide	ND	5.2	"		ND					25	
Carbon tetrachloride	ND	2.6	"		ND					25	
Chlorobenzene	ND	7.6	"		ND					25	
Chloroethane	ND	4.4	"		ND					25	
Chloroform	ND	8.1	"		ND					25	
Chloromethane	ND	3.4	"		3.4					25	
cis-1,2-Dichloroethylene	ND	6.6	"		ND					25	
cis-1,3-Dichloropropylene	ND	7.5	"		ND					25	
Cyclohexane	ND	5.7	"		ND					25	
Dibromochloromethane	ND	14	"		ND					25	
Dichlorodifluoromethane	ND	8.2	"		ND					25	
Ethyl acetate	ND	12	"		ND					25	
Ethyl Benzene	ND	7.2	"		ND					25	
Hexachlorobutadiene	ND	18	"		ND					25	
Isopropanol	ND	8.1	"		ND					25	
Methyl Methacrylate	ND	6.8	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	6.0	"		ND					25	
Methylene chloride	ND	11	"		ND					25	
n-Heptane	ND	6.8	"		ND					25	
n-Hexane	ND	5.8	"		ND					25	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG70952 - EPA TO15 PREP											
Duplicate (BG70952-DUP1)	*Source sample: 17G0715-02 (AQ071917:1350NP4-3)								Prepared & Analyzed: 07/24/2017		
o-Xylene	ND	7.2	ug/m³		ND					25	
p- & m- Xylenes	ND	14	"		ND					25	
p-Ethyltoluene	ND	8.1	"		ND					25	
Propylene	ND	2.8	"		ND					25	
Styrene	ND	7.0	"		ND					25	
Tetrachloroethylene	4.5	2.8	"		4.5				0.00	25	
Tetrahydrofuran	ND	9.8	"		ND					25	
Toluene	ND	6.2	"		ND					25	
trans-1,2-Dichloroethylene	ND	6.6	"		ND					25	
trans-1,3-Dichloropropylene	ND	7.5	"		ND					25	
Trichloroethylene	ND	2.2	"		ND					25	
Trichlorofluoromethane (Freon 11)	ND	9.3	"		ND					25	
Vinyl acetate	ND	5.8	"		ND					25	
Vinyl bromide	ND	7.2	"		ND					25	
Vinyl Chloride	ND	4.2	"		ND					25	
Surrogate: p-Bromofluorobenzene	*10.9*		*ppbv*	*10.0*		*109*	*72-118*				

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.

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*	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 - AIR

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

York Project No. 170715

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

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

Samples Collected/Authorized By (Signature)

Evan Foster
Name (printed)

Air Matrix Codes

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

TO15 Volatiles and Other Gas Analyses

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

Detection Limits Required

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

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
AQ071917: 1345 NP4-1	7-19-17	AE	-30	-5	EPA TO-15 List.	6 Liter Summa canister ✓ / Tedlar Bag
AQ071917: 1350 NP4-3	7-19-17	AE	-30	-5	↓	6 Liter Summa canister ✓ / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag

Comments

Samples Relinquished By — Date/Time: 7-20-17 8:00
Samples Relinquished By — Date/Time: JAMES CROMES 7-21-17 21:40

Samples Received By: LBG Field Room — Date/Time: 7-20-17 8:00
Samples Received in LAB by: [signature] 7-21-17 2140 — Date/Time

Rec'd lab 7/21/17 1053