

TABLE 2

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

Effluent Water Quality Results

Date Sampled ^{2/}	pH ^{1/}	TDS ^{4/} (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-Apr-18	6.8	136	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	2.99	0.0337
2-May-18	6.8	151	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	8.05	0.0492
5-Jun-18	6.8	138	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	0.252	ND<0.278
2-Jul-18	6.8	114	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	2.50	0.127
28-Aug-18	6.9	NA	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	0.124	0.125
21-Sep-18	6.8	155	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	7.48	0.0369
5-Oct-18	6.9	145	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	1.66	ND<0.278
1-Nov-18	6.8	193	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.838	ND<0.278
5-Dec-18	6.9	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.845	ND<0.278
3-Jan-19	6.9	85	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.32	ND<0.278
1-Feb-19	6.9	126	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.641	ND<0.278
1-Mar-19	6.9	142	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	6.31	ND<0.278
2-Apr-19	6.9	153	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.27	ND<0.278

SPDES: State Pollutant Discharge Elimination System

mg/l: Milligrams per liter

ug/l: Micrograms per liter

---: Not established

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

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

ND: Not detected NA: Not Analyzed

NM: Not Measured

TDS: Total dissolved solids

PCE: Tetrachloroethylene

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

TCE: Trichloroethene

1,1-DCA: 1,1-Dichloroethane

1,1-DCE: 1,1-Dichloroethene

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

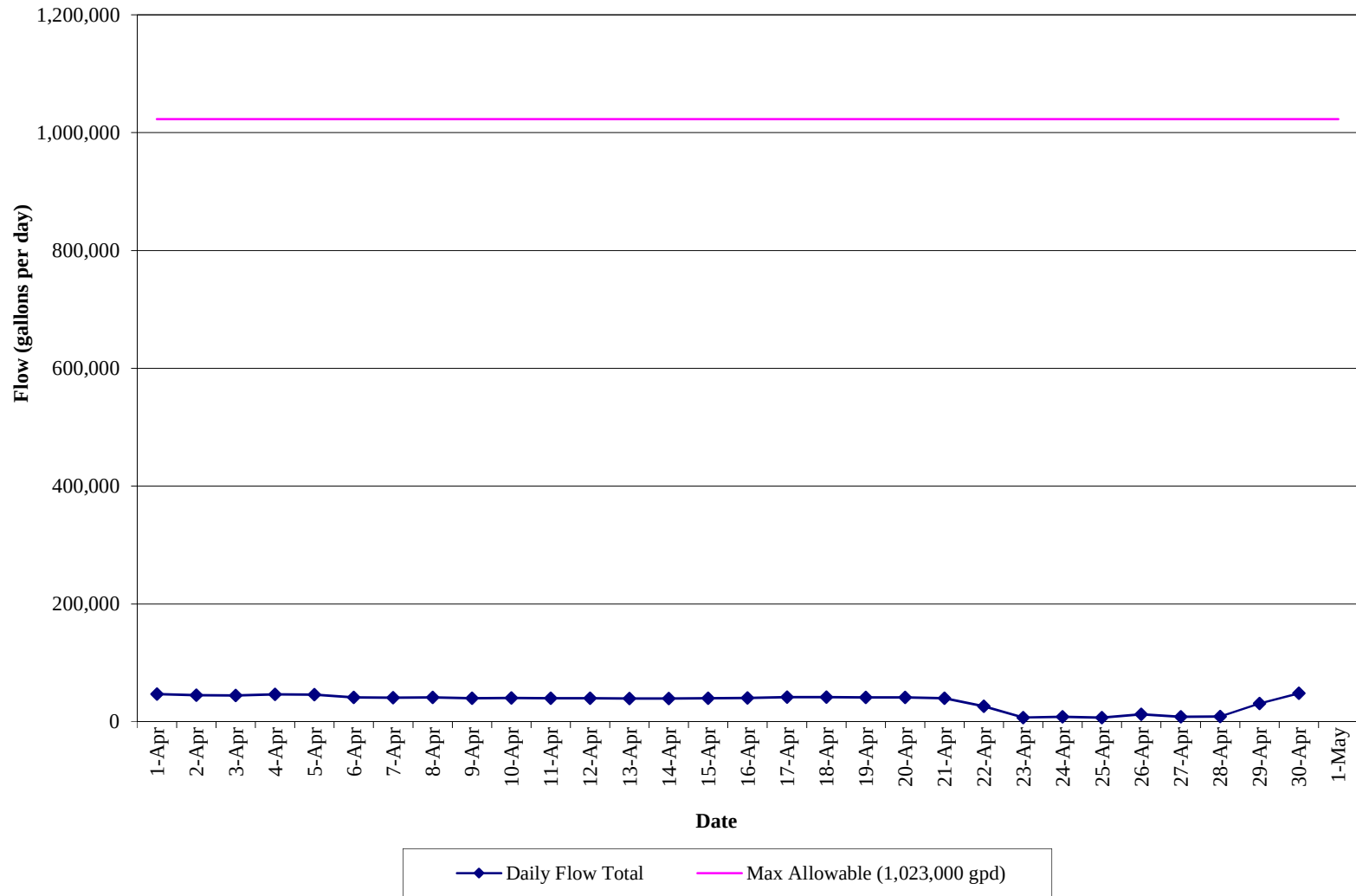
trans-1,2,-DCE: trans-1,2-Dichloroethene

Notes:

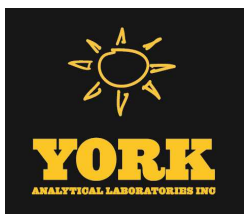
1. Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5. The pH of the effluent sample collected on April 16, 2019 was 6.9.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
3. Starting in October 2016, FSP&T system samples are collected monthly instead of once every two weeks. The pH of the effluent water is measured two times per month in accordance with the SPDES requirements.
4. The laboratory mistakenly forgot to analyze the system effluent sample collected on August 28, 2018 for total dissolved solids (TDS).
5. The pH was inadvertently not measured.

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

Effluent Flow Data
(April 1, 2019 to April 30, 2019)



APPENDIX I
APRIL 2019 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM



Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 04/17/2019
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 19D0185

1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 04/17/2019
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 19D0185

WSP USA, Inc. (Shelton)
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 April 04, 2019 and listed below. The project was identified as your project: **31401451.000 task 01.00**.

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 Sample and Analysis Qualifiers 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 Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
19D0185-01	WQ040219: 1325 NP2-6	Water	04/02/2019	04/04/2019
19D0185-02	WQ040219: 1330 NP2-10	Water	04/02/2019	04/04/2019

General Notes for York Project (SDG) No.: 19D0185

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 analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. 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:



Benjamin Gulizia
Laboratory Director

Date: 04/17/2019





Sample Information

Client Sample ID: WQ040219: 1325 NP2-6

York Sample ID: 19D0185-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19D0185

31401451.000 task 01.00

Water

April 2, 2019 1:25 pm

04/04/2019

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
95-63-6	1,2,4-Trimethylbenzene	0.410		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ



Sample Information

Client Sample ID: WQ040219: 1325 NP2-6

York Sample ID: 19D0185-01

York Project (SDG) No.

19D0185

Client Project ID

31401451.000 task 01.00

Matrix

Water

Collection Date/Time

April 2, 2019 1:25 pm

Date Received

04/04/2019

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
156-59-2	cis-1,2-Dichloroethylene	0.300		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ



Sample Information

Client Sample ID: WQ040219: 1325 NP2-6

York Sample ID: 19D0185-01

York Project (SDG) No.

19D0185

Client Project ID

31401451.000 task 01.00

Matrix

Water

Collection Date/Time

April 2, 2019 1:25 pm

Date Received

04/04/2019

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
127-18-4	Tetrachloroethylene	1.82	CCV-E, QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
79-01-6	Trichloroethylene	0.340		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/15/2019 06:54	04/15/2019 12:26	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	115 %	70-130								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	70-130								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	112 %	70-130								



Sample Information

Client Sample ID: WQ040219: 1330 NP2-10

York Sample ID: 19D0185-02

York Project (SDG) No.

19D0185

Client Project ID

31401451.000 task 01.00

Matrix

Water

Collection Date/Time

April 2, 2019 1:30 pm

Date Received

04/04/2019

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ



Sample Information

Client Sample ID: WQ040219: 1330 NP2-10

York Sample ID: 19D0185-02

York Project (SDG) No.

19D0185

Client Project ID

31401451.000 task 01.00

Matrix

Water

Collection Date/Time

April 2, 2019 1:30 pm

Date Received

04/04/2019

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2019 06:54	04/15/2019 12:53	LLJ



Sample Information

Client Sample ID: WQ040219: 1330 NP2-10

York Sample ID: 19D0185-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19D0185

31401451.000 task 01.00

Water

April 2, 2019 1:30 pm

04/04/2019

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	1.27		mg/L	0.278	1	EPA 200.7	04/05/2019 11:58	04/08/2019 12:14	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	0.278	1	EPA 6010D	04/08/2019 14:24	04/10/2019 12:02	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	153		mg/L	10.0	1	SM 2540C	04/05/2019 17:27	04/09/2019 02:02	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Analytical Batch Summary

Batch ID: BD90348 **Preparation Method:** EPA 200.7 **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19D0185-02	WQ040219: 1330 NP2-10	04/05/19
BD90348-BLK1	Blank	04/05/19
BD90348-BS1	LCS	04/05/19

Batch ID: BD90375 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
19D0185-02	WQ040219: 1330 NP2-10	04/05/19
BD90375-BLK1	Blank	04/05/19

Batch ID: BD90427 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19D0185-02	WQ040219: 1330 NP2-10	04/08/19
BD90427-BLK1	Blank	04/08/19
BD90427-BS1	LCS	04/08/19

Batch ID: BD90795 **Preparation Method:** EPA 5030B **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
19D0185-01	WQ040219: 1325 NP2-6	04/15/19
19D0185-02	WQ040219: 1330 NP2-10	04/15/19
BD90795-BLK1	Blank	04/15/19
BD90795-BS1	LCS	04/15/19
BD90795-BSD1	LCS Dup	04/15/19



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD90795 - EPA 5030B

Blank (BD90795-BLK1)

Prepared & Analyzed: 04/15/2019

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
2,2-Dichloropropane	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	ND	0.500	"
Acetone	ND	2.00	"
Benzene	ND	0.500	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"
Dichlorodifluoromethane	ND	0.500	"
Ethyl Benzene	ND	0.500	"
Hexachlorobutadiene	ND	0.500	"
Isopropylbenzene	ND	0.500	"
Methyl tert-butyl ether (MTBE)	ND	0.500	"
Methylene chloride	ND	2.00	"
Naphthalene	ND	2.00	"
n-Butylbenzene	ND	0.500	"
n-Propylbenzene	ND	0.500	"



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 BD90795 - EPA 5030B											
Blank (BD90795-BLK1)											
Prepared & Analyzed: 04/15/2019											
o-Xylene	ND	0.500	ug/L								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	11.6		"	10.0		116	70-130				
Surrogate: SURR: Toluene-d8	9.81		"	10.0		98.1	70-130				
Surrogate: SURR: p-Bromofluorobenzene	11.3		"	10.0		113	70-130				
LCS (BD90795-BS1)											
Prepared & Analyzed: 04/15/2019											
1,1,1,2-Tetrachloroethane	8.47		ug/L	10.0		84.7	82-126			30	
1,1,1-Trichloroethane	11.1		"	10.0		111	70-130			20	
1,1,2,2-Tetrachloroethane	10.9		"	10.0		109	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0		113	70-130			20	
1,1,2-Trichloroethane	8.58		"	10.0		85.8	70-130			20	
1,1-Dichloroethane	10.3		"	10.0		103	70-130			20	
1,1-Dichloroethylene	10.2		"	10.0		102	70-130			20	
1,1-Dichloropropylene	10.2		"	10.0		102	83-133			30	
1,2,3-Trichlorobenzene	6.69		"	10.0		66.9	70-130	Low Bias		20	
1,2,3-Trichloropropane	11.8		"	10.0		118	77-128			30	
1,2,4-Trichlorobenzene	7.25		"	10.0		72.5	70-130			20	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132			20	
1,2-Dibromo-3-chloropropane	9.50		"	10.0		95.0	40-160			20	
1,2-Dibromoethane	8.90		"	10.0		89.0	70-130			20	
1,2-Dichlorobenzene	10.0		"	10.0		100	70-130			20	
1,2-Dichloroethane	10.6		"	10.0		106	70-130			20	
1,2-Dichloropropane	8.51		"	10.0		85.1	70-130			20	
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131			30	
1,3-Dichlorobenzene	9.83		"	10.0		98.3	70-130			20	
1,3-Dichloropropane	8.75		"	10.0		87.5	81-125			30	
1,4-Dichlorobenzene	9.91		"	10.0		99.1	70-130			20	
2,2-Dichloropropane	11.7		"	10.0		117	56-150			30	
2-Chlorotoluene	11.2		"	10.0		112	79-130			30	
2-Hexanone	8.56		"	10.0		85.6	40-160			20	
4-Chlorotoluene	10.7		"	10.0		107	79-128			30	
Acetone	7.30		"	10.0		73.0	40-160			20	
Benzene	10.1		"	10.0		101	70-130			20	
Bromobenzene	10.6		"	10.0		106	78-129			30	
Bromochloromethane	11.0		"	10.0		110	70-130			20	
Bromodichloromethane	8.86		"	10.0		88.6	70-130			20	
Bromoform	6.77		"	10.0		67.7	70-130	Low Bias		20	
Bromomethane	13.5		"	10.0		135	40-160			20	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD90795 - EPA 5030B

LCS (BD90795-BS1)

Prepared & Analyzed: 04/15/2019

Carbon tetrachloride	10.3		ug/L	10.0		103	70-130			20	
Chlorobenzene	8.95		"	10.0		89.5	70-130			20	
Chloroethane	10.4		"	10.0		104	40-160			20	
Chloroform	10.4		"	10.0		104	70-130			20	
Chloromethane	14.2		"	10.0		142	40-160			20	
cis-1,2-Dichloroethylene	10.5		"	10.0		105	70-130			20	
cis-1,3-Dichloropropylene	8.49		"	10.0		84.9	70-130			20	
Dibromochloromethane	8.36		"	10.0		83.6	70-130			20	
Dibromomethane	9.03		"	10.0		90.3	72-134			30	
Dichlorodifluoromethane	9.09		"	10.0		90.9	40-160			20	
Ethyl Benzene	9.41		"	10.0		94.1	70-130			20	
Hexachlorobutadiene	4.87		"	10.0		48.7	67-146	Low Bias		30	
Isopropylbenzene	11.4		"	10.0		114	70-130			20	
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	70-130			20	
Methylene chloride	11.7		"	10.0		117	70-130			20	
Naphthalene	7.94		"	10.0		79.4	70-147			30	
n-Butylbenzene	10.6		"	10.0		106	79-132			30	
n-Propylbenzene	11.4		"	10.0		114	78-133			30	
o-Xylene	9.08		"	10.0		90.8	70-130			20	
p- & m- Xylenes	19.1		"	20.0		95.6	70-130			20	
p-Isopropyltoluene	10.2		"	10.0		102	81-136			30	
sec-Butylbenzene	10.9		"	10.0		109	79-137			30	
Styrene	8.65		"	10.0		86.5	70-130			20	
tert-Butylbenzene	10.7		"	10.0		107	77-138			30	
Tetrachloroethylene	6.97		"	10.0		69.7	70-130	Low Bias		20	
Toluene	9.21		"	10.0		92.1	70-130			20	
trans-1,2-Dichloroethylene	10.0		"	10.0		100	70-130			20	
trans-1,3-Dichloropropylene	8.37		"	10.0		83.7	70-130			20	
Trichloroethylene	8.86		"	10.0		88.6	70-130			20	
Trichlorofluoromethane	10.8		"	10.0		108	40-160			20	
Vinyl Chloride	12.2		"	10.0		122	70-130			20	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.8		"	10.0		108	70-130				
Surrogate: SURR: Toluene-d8	9.97		"	10.0		99.7	70-130				
Surrogate: SURR: p-Bromofluorobenzene	11.6		"	10.0		116	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD90795 - EPA 5030B											
LCS Dup (BD90795-BSD1)						Prepared & Analyzed: 04/15/2019					
1,1,1,2-Tetrachloroethane	8.71		ug/L	10.0		87.1	82-126		2.79	30	
1,1,1-Trichloroethane	11.7		"	10.0		117	70-130		5.52	20	
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	70-130		0.736	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.1		"	10.0		121	70-130		7.26	20	
1,1,2-Trichloroethane	8.81		"	10.0		88.1	70-130		2.65	20	
1,1-Dichloroethane	11.1		"	10.0		111	70-130		7.09	20	
1,1-Dichloroethylene	11.2		"	10.0		112	70-130		9.04	20	
1,1-Dichloropropylene	10.9		"	10.0		109	83-133		6.73	30	
1,2,3-Trichlorobenzene	6.92		"	10.0		69.2	70-130	Low Bias	3.38	20	
1,2,3-Trichloropropane	11.3		"	10.0		113	77-128		4.60	30	
1,2,4-Trichlorobenzene	7.45		"	10.0		74.5	70-130		2.72	20	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132		5.46	20	
1,2-Dibromo-3-chloropropane	9.39		"	10.0		93.9	40-160		1.16	20	
1,2-Dibromoethane	8.95		"	10.0		89.5	70-130		0.560	20	
1,2-Dichlorobenzene	10.1		"	10.0		101	70-130		1.39	20	
1,2-Dichloroethane	11.2		"	10.0		112	70-130		4.77	20	
1,2-Dichloropropane	8.54		"	10.0		85.4	70-130		0.352	20	
1,3,5-Trimethylbenzene	11.3		"	10.0		113	80-131		4.51	30	
1,3-Dichlorobenzene	10.0		"	10.0		100	70-130		2.11	20	
1,3-Dichloropropane	8.60		"	10.0		86.0	81-125		1.73	30	
1,4-Dichlorobenzene	9.92		"	10.0		99.2	70-130		0.101	20	
2,2-Dichloropropane	12.5		"	10.0		125	56-150		6.87	30	
2-Chlorotoluene	11.7		"	10.0		117	79-130		4.37	30	
2-Hexanone	8.46		"	10.0		84.6	40-160		1.18	20	
4-Chlorotoluene	11.1		"	10.0		111	79-128		3.67	30	
Acetone	7.77		"	10.0		77.7	40-160		6.24	20	
Benzene	10.7		"	10.0		107	70-130		5.19	20	
Bromobenzene	10.8		"	10.0		108	78-129		2.33	30	
Bromochloromethane	11.4		"	10.0		114	70-130		2.68	20	
Bromodichloromethane	9.05		"	10.0		90.5	70-130		2.12	20	
Bromoform	6.94		"	10.0		69.4	70-130	Low Bias	2.48	20	
Bromomethane	14.2		"	10.0		142	40-160		5.48	20	
Carbon tetrachloride	11.3		"	10.0		113	70-130		9.07	20	
Chlorobenzene	9.00		"	10.0		90.0	70-130		0.557	20	
Chloroethane	11.1		"	10.0		111	40-160		6.40	20	
Chloroform	10.9		"	10.0		109	70-130		4.97	20	
Chloromethane	15.2		"	10.0		152	40-160		6.79	20	
cis-1,2-Dichloroethylene	11.1		"	10.0		111	70-130		5.55	20	
cis-1,3-Dichloropropylene	8.59		"	10.0		85.9	70-130		1.17	20	
Dibromochloromethane	8.39		"	10.0		83.9	70-130		0.358	20	
Dibromomethane	9.07		"	10.0		90.7	72-134		0.442	30	
Dichlorodifluoromethane	16.1		"	10.0		161	40-160	High Bias	55.5	20	Non-dir.
Ethyl Benzene	9.67		"	10.0		96.7	70-130		2.73	20	
Hexachlorobutadiene	5.91		"	10.0		59.1	67-146	Low Bias	19.3	30	
Isopropylbenzene	11.7		"	10.0		117	70-130		2.86	20	
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	70-130		1.93	20	
Methylene chloride	12.2		"	10.0		122	70-130		3.94	20	
Naphthalene	8.15		"	10.0		81.5	70-147		2.61	30	
n-Butylbenzene	11.8		"	10.0		118	79-132		11.0	30	
n-Propylbenzene	11.9		"	10.0		119	78-133		4.56	30	
o-Xylene	9.28		"	10.0		92.8	70-130		2.18	20	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD90795 - EPA 5030B

LCS Dup (BD90795-BSD1)

Prepared & Analyzed: 04/15/2019

p- & m- Xylenes	19.6		ug/L	20.0		98.1	70-130		2.53	20	
p-Isopropyltoluene	11.2		"	10.0		112	81-136		8.70	30	
sec-Butylbenzene	12.0		"	10.0		120	79-137		9.08	30	
Styrene	8.89		"	10.0		88.9	70-130		2.74	20	
tert-Butylbenzene	11.2		"	10.0		112	77-138		4.67	30	
Tetrachloroethylene	7.28		"	10.0		72.8	70-130		4.35	20	
Toluene	9.35		"	10.0		93.5	70-130		1.51	20	
trans-1,2-Dichloroethylene	10.7		"	10.0		107	70-130		6.18	20	
trans-1,3-Dichloropropylene	8.44		"	10.0		84.4	70-130		0.833	20	
Trichloroethylene	9.28		"	10.0		92.8	70-130		4.63	20	
Trichlorofluoromethane	11.8		"	10.0		118	40-160		9.00	20	
Vinyl Chloride	8.27		"	10.0		82.7	70-130		38.0	20	Non-dir.
Surrogate: SURR: 1,2-Dichloroethane-d4	11.4		"	10.0		114	70-130				
Surrogate: SURR: Toluene-d8	9.69		"	10.0		96.9	70-130				
Surrogate: SURR: p-Bromofluorobenzene	11.8		"	10.0		118	70-130				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD90348 - EPA 200.7

Blank (BD90348-BLK1)

Prepared: 04/05/2019 Analyzed: 04/08/2019

Iron	ND	0.278	mg/L								
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LCS (BD90348-BS1)

Prepared: 04/05/2019 Analyzed: 04/08/2019

Iron	1.15	0.278	mg/L	1.11		103	85-115				
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Batch BD90427 - EPA 3015A

Blank (BD90427-BLK1)

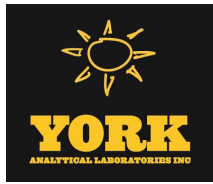
Prepared: 04/08/2019 Analyzed: 04/10/2019

Iron - Dissolved	ND	0.278	mg/L								
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LCS (BD90427-BS1)

Prepared: 04/08/2019 Analyzed: 04/10/2019

Iron - Dissolved	0.993	0.278	mg/L	1.11		89.4	80-120				
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Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD90375 - % Solids Prep

Blank (BD90375-BLK1)

Prepared: 04/05/2019 Analyzed: 04/09/2019

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

Lab ID	Client Sample ID	Volatile Sample Container
19D0185-01	WQ040219: 1325 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19D0185-02	WQ040219: 1330 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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.
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).

Definitions and Other Explanations

*	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.



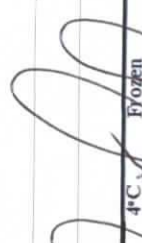
Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

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.



Page 1 of 1

York Project No. 19D0185

YOUR INFORMATION		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type	
Company:	WSP USA	SAME ☒	SAME ☒	Name:		31401451.000 task	01.00	RUSH-Same Day	Summary Report	X, PDF	
Address:	4 Research Drive	Name:		Company:		Purchase Order #		RUSH-Next Day	QA Report	X, PDF	
Phone:	Suite 301, Shelton CT 06484	Address:						RUSH-Two Day	CT RCP		
Contact:	203.929.8555							RUSH-Three Day	CT RCP DQA/DUE Pkg		
E-mail:	Tunde Sandor							RUSH-Four Day	NY ASP A Package		
	tunde.sandor@wsp.com							Standard (5-7day)	NY ASP B Package	X, PDF	
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)											
Sample Identification		Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)				Container Description			
WQ040219:1325NP7-6		4-2-19 1325	GW	Fe by EPA 200.7; Fe dissolved by EPA 6010; VOCs 8260 full plus freon 113; TDS				300A			
WQ040219:1330NP7-10		4-2-19 1330	GW	Red dy: 4/4/19 11:13				300A, 3 plastic			
Comments:		Preservation (check all applicable): 4°C ☒ Frozen ☒ HCl ☒ MeOH ☒ HNO₃ ☒ H₂SO₄ ☒ NaOH ☐ Special Instructions: Field Filtered ☐ Lab to Filter ☐ Samples Relinquished By:  Date/Time: 4/3/19 8:00 Samples Received By: LSP Foster Date/Time: 4/3/19 8:00 Samples Relinquished By:  Date/Time: 4/4/19 1330 Samples Received in LAB by:  Date/Time: 4-4-19 1330 Temperature on Receipt: 23°C									

APPENDIX II
APRIL 2019 LABORATORY ANALYTICAL REPORTS
FOR FSP&T AND FP&T RECOVERY WELLS



Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 04/11/2019
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 19D0192

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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Report Date: 04/11/2019
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 19D0192

WSP USA, Inc. (Shelton)
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 April 04, 2019 and listed below. The project was identified as your project: **31401451.000 task 01.00**.

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 Sample and Analysis Qualifiers 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 Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
19D0192-01	WQ040219: 1300 FRW-1	Water	04/02/2019	04/04/2019
19D0192-02	WQ040219: 1305 FRW-2	Water	04/02/2019	04/04/2019
19D0192-03	WQ040219: 1310 FRW-4	Water	04/02/2019	04/04/2019
19D0192-04	WQ040219: 1340 NP1-1-2	Water	04/02/2019	04/04/2019

General Notes for York Project (SDG) No.: 19D0192

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 analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. 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:



Benjamin Gulizia
Laboratory Director

Date: 04/11/2019





Sample Information

Client Sample ID: WQ040219: 1300 FRW-1

York Sample ID: 19D0192-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19D0192

31401451.000 task 01.00

Water

April 2, 2019 1:00 pm

04/04/2019

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
71-55-6	1,1,1-Trichloroethane	0.230		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ



Sample Information

Client Sample ID: WQ040219: 1300 FRW-1

York Sample ID: 19D0192-01

York Project (SDG) No.
19D0192

Client Project ID
31401451.000 task 01.00

Matrix
Water

Collection Date/Time
April 2, 2019 1:00 pm

Date Received
04/04/2019

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
156-59-2	cis-1,2-Dichloroethylene	2.16		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ



Sample Information

Client Sample ID: WQ040219: 1300 FRW-1

York Sample ID: 19D0192-01

York Project (SDG) No.

19D0192

Client Project ID

31401451.000 task 01.00

Matrix

Water

Collection Date/Time

April 2, 2019 1:00 pm

Date Received

04/04/2019

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
127-18-4	Tetrachloroethylene	48.9		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
79-01-6	Trichloroethylene	1.28		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
75-01-4	Vinyl Chloride	0.260		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/09/2019 07:00	04/10/2019 16:39	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %	70-130								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	70-130								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	119 %	70-130								



Sample Information

Client Sample ID: WQ040219: 1305 FRW-2

York Sample ID: 19D0192-02

York Project (SDG) No.

19D0192

Client Project ID

31401451.000 task 01.00

Matrix

Water

Collection Date/Time

April 2, 2019 1:05 pm

Date Received

04/04/2019

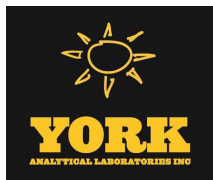
Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ



Sample Information

Client Sample ID: WQ040219: 1305 FRW-2

York Sample ID: 19D0192-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19D0192

31401451.000 task 01.00

Water

April 2, 2019 1:05 pm

04/04/2019

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
156-59-2	cis-1,2-Dichloroethylene	0.990		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ



Sample Information

Client Sample ID: WQ040219: 1305 FRW-2

York Sample ID: 19D0192-02

York Project (SDG) No.
19D0192

Client Project ID
31401451.000 task 01.00

Matrix
Water

Collection Date/Time
April 2, 2019 1:05 pm

Date Received
04/04/2019

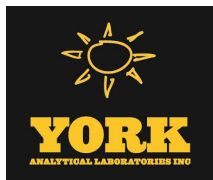
Volatile Organics, 8260 List - Low Level

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	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
127-18-4	Tetrachloroethylene	13.8	QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
108-88-3	Toluene	0.280		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
79-01-6	Trichloroethylene	0.470		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/09/2019 07:00	04/09/2019 18:19	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %	70-130								
2037-26-5	Surrogate: SURR: Toluene-d8	103 %	70-130								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	119 %	70-130								



Sample Information

Client Sample ID: WQ040219: 1310 FRW-4

York Sample ID: 19D0192-03

York Project (SDG) No.

19D0192

Client Project ID

31401451.000 task 01.00

Matrix

Water

Collection Date/Time

April 2, 2019 1:10 pm

Date Received

04/04/2019

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ



Sample Information

Client Sample ID: WQ040219: 1310 FRW-4

York Sample ID: 19D0192-03

York Project (SDG) No.
19D0192

Client Project ID
31401451.000 task 01.00

Matrix
Water

Collection Date/Time
April 2, 2019 1:10 pm

Date Received
04/04/2019

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
156-59-2	cis-1,2-Dichloroethylene	2.05		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ



Sample Information

Client Sample ID: WQ040219: 1310 FRW-4

York Sample ID: 19D0192-03

York Project (SDG) No.
19D0192

Client Project ID
31401451.000 task 01.00

Matrix
Water

Collection Date/Time
April 2, 2019 1:10 pm

Date Received
04/04/2019

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	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
127-18-4	Tetrachloroethylene	1.38	QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
108-88-3	Toluene	0.260		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/09/2019 07:00	04/09/2019 18:46	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	109 %	70-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	103 %	70-130								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	120 %	70-130								



Sample Information

Client Sample ID: WQ040219: 1340 NP1-1-2

York Sample ID: 19D0192-04

York Project (SDG) No.

19D0192

Client Project ID

31401451.000 task 01.00

Matrix

Water

Collection Date/Time

April 2, 2019 1:40 pm

Date Received

04/04/2019

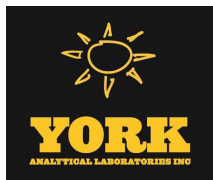
Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ



Sample Information

Client Sample ID: WQ040219: 1340 NP1-1-2

York Sample ID: 19D0192-04

York Project (SDG) No.

19D0192

Client Project ID

31401451.000 task 01.00

Matrix

Water

Collection Date/Time

April 2, 2019 1:40 pm

Date Received

04/04/2019

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
67-66-3	Chloroform	0.280		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ



Sample Information

Client Sample ID: WQ040219: 1340 NP1-1-2

York Sample ID: 19D0192-04

York Project (SDG) No.
19D0192

Client Project ID
31401451.000 task 01.00

Matrix
Water

Collection Date/Time
April 2, 2019 1:40 pm

Date Received
04/04/2019

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	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
127-18-4	Tetrachloroethylene	0.270	QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
108-88-3	Toluene	0.220		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
79-01-6	Trichloroethylene	0.320		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/09/2019 07:00	04/09/2019 19:15	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %	70-130								
2037-26-5	Surrogate: SURR: Toluene-d8	103 %	70-130								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	115 %	70-130								



Analytical Batch Summary

Batch ID: BD90266

Preparation Method: EPA 5030B

Prepared By: LLJ

YORK Sample ID	Client Sample ID	Preparation Date
19D0192-02	WQ040219: 1305 FRW-2	04/09/19
19D0192-03	WQ040219: 1310 FRW-4	04/09/19
19D0192-04	WQ040219: 1340 NP1-1-2	04/09/19
BD90266-BLK1	Blank	04/09/19
BD90266-BS1	LCS	04/09/19
BD90266-BSD1	LCS Dup	04/09/19

Batch ID: BD90581

Preparation Method: EPA 5030B

Prepared By: LLJ

YORK Sample ID	Client Sample ID	Preparation Date
19D0192-01	WQ040219: 1300 FRW-1	04/09/19
BD90581-BLK1	Blank	04/10/19
BD90581-BS1	LCS	04/10/19
BD90581-BSD1	LCS Dup	04/10/19



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD90266 - EPA 5030B

Blank (BD90266-BLK1)

Prepared & Analyzed: 04/09/2019

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
2,2-Dichloropropane	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	ND	0.500	"
Acetone	ND	2.00	"
Benzene	ND	0.500	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"
Dichlorodifluoromethane	ND	0.500	"
Ethyl Benzene	ND	0.500	"
Hexachlorobutadiene	ND	0.500	"
Isopropylbenzene	ND	0.500	"
Methyl tert-butyl ether (MTBE)	ND	0.500	"
Methylene chloride	ND	2.00	"
Naphthalene	1.21	2.00	"
n-Butylbenzene	ND	0.500	"
n-Propylbenzene	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD90266 - EPA 5030B

Blank (BD90266-BLK1)

Prepared & Analyzed: 04/09/2019

o-Xylene	ND	0.500	ug/L
p- & m- Xylenes	ND	1.00	"
p-Isopropyltoluene	ND	0.500	"
sec-Butylbenzene	ND	0.500	"
Styrene	ND	0.500	"
tert-Butylbenzene	ND	0.500	"
Tetrachloroethylene	ND	0.500	"
Toluene	ND	0.500	"
trans-1,2-Dichloroethylene	ND	0.500	"
trans-1,3-Dichloropropylene	ND	0.500	"
Trichloroethylene	ND	0.500	"
Trichlorofluoromethane	ND	0.500	"
Vinyl Chloride	ND	0.500	"
Xylenes, Total	ND	1.50	"

Surrogate: SURR: 1,2-Dichloroethane-d4

10.6

"

10.0

106

70-130

Surrogate: SURR: Toluene-d8

10.4

"

10.0

104

70-130

Surrogate: SURR: p-Bromofluorobenzene

12.0

"

10.0

120

70-130

LCS (BD90266-BS1)

Prepared & Analyzed: 04/09/2019

1,1,1,2-Tetrachloroethane	8.81	ug/L	10.0	88.1	82-126		30
1,1,1-Trichloroethane	11.1	"	10.0	111	70-130		20
1,1,2,2-Tetrachloroethane	11.0	"	10.0	110	70-130		20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1	"	10.0	111	70-130		20
1,1,2-Trichloroethane	8.64	"	10.0	86.4	70-130		20
1,1-Dichloroethane	10.8	"	10.0	108	70-130		20
1,1-Dichloroethylene	10.8	"	10.0	108	70-130		20
1,1-Dichloropropylene	10.2	"	10.0	102	83-133		30
1,2,3-Trichlorobenzene	6.87	"	10.0	68.7	70-130	Low Bias	20
1,2,3-Trichloropropane	10.9	"	10.0	109	77-128		30
1,2,4-Trichlorobenzene	7.39	"	10.0	73.9	70-130		20
1,2,4-Trimethylbenzene	11.4	"	10.0	114	82-132		20
1,2-Dibromo-3-chloropropane	9.21	"	10.0	92.1	40-160		20
1,2-Dibromoethane	8.70	"	10.0	87.0	70-130		20
1,2-Dichlorobenzene	10.4	"	10.0	104	70-130		20
1,2-Dichloroethane	9.86	"	10.0	98.6	70-130		20
1,2-Dichloropropane	9.21	"	10.0	92.1	70-130		20
1,3,5-Trimethylbenzene	11.9	"	10.0	119	80-131		30
1,3-Dichlorobenzene	10.5	"	10.0	105	70-130		20
1,3-Dichloropropane	8.80	"	10.0	88.0	81-125		30
1,4-Dichlorobenzene	10.4	"	10.0	104	70-130		20
2,2-Dichloropropane	4.34	"	10.0	43.4	56-150	Low Bias	30
2-Chlorotoluene	12.2	"	10.0	122	79-130		30
2-Hexanone	5.96	"	10.0	59.6	40-160		20
4-Chlorotoluene	11.9	"	10.0	119	79-128		30
Acetone	9.35	"	10.0	93.5	40-160		20
Benzene	10.3	"	10.0	103	70-130		20
Bromobenzene	11.4	"	10.0	114	78-129		30
Bromochloromethane	10.4	"	10.0	104	70-130		20
Bromodichloromethane	9.29	"	10.0	92.9	70-130		20
Bromoform	6.25	"	10.0	62.5	70-130	Low Bias	20
Bromomethane	7.94	"	10.0	79.4	40-160		20



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD90266 - EPA 5030B

LCS (BD90266-BS1)

Prepared & Analyzed: 04/09/2019

Carbon tetrachloride	10.3		ug/L	10.0		103	70-130			20	
Chlorobenzene	9.52		"	10.0		95.2	70-130			20	
Chloroethane	9.94		"	10.0		99.4	40-160			20	
Chloroform	10.4		"	10.0		104	70-130			20	
Chloromethane	11.8		"	10.0		118	40-160			20	
cis-1,2-Dichloroethylene	9.67		"	10.0		96.7	70-130			20	
cis-1,3-Dichloropropylene	7.72		"	10.0		77.2	70-130			20	
Dibromochloromethane	8.18		"	10.0		81.8	70-130			20	
Dibromomethane	9.12		"	10.0		91.2	72-134			30	
Dichlorodifluoromethane	12.0		"	10.0		120	40-160			20	
Ethyl Benzene	10.2		"	10.0		102	70-130			20	
Hexachlorobutadiene	5.73		"	10.0		57.3	67-146	Low Bias		30	
Isopropylbenzene	12.6		"	10.0		126	70-130			20	
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	70-130			20	
Methylene chloride	11.1		"	10.0		111	70-130			20	
Naphthalene	8.07		"	10.0		80.7	70-147			30	
n-Butylbenzene	11.7		"	10.0		117	79-132			30	
n-Propylbenzene	12.6		"	10.0		126	78-133			30	
o-Xylene	9.89		"	10.0		98.9	70-130			20	
p- & m- Xylenes	20.7		"	20.0		103	70-130			20	
p-Isopropyltoluene	11.1		"	10.0		111	81-136			30	
sec-Butylbenzene	12.3		"	10.0		123	79-137			30	
Styrene	9.36		"	10.0		93.6	70-130			20	
tert-Butylbenzene	12.0		"	10.0		120	77-138			30	
Tetrachloroethylene	7.54		"	10.0		75.4	70-130			20	
Toluene	10.0		"	10.0		100	70-130			20	
trans-1,2-Dichloroethylene	10.1		"	10.0		101	70-130			20	
trans-1,3-Dichloropropylene	7.11		"	10.0		71.1	70-130			20	
Trichloroethylene	9.82		"	10.0		98.2	70-130			20	
Trichlorofluoromethane	10.9		"	10.0		109	40-160			20	
Vinyl Chloride	11.2		"	10.0		112	70-130			20	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.4		"	10.0		104	70-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	70-130				
Surrogate: SURR: p-Bromofluorobenzene	11.9		"	10.0		119	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD90266 - EPA 5030B											
LCS Dup (BD90266-BSD1)						Prepared & Analyzed: 04/09/2019					
1,1,1,2-Tetrachloroethane	8.32		ug/L	10.0		83.2	82-126		5.72	30	
1,1,1-Trichloroethane	10.4		"	10.0		104	70-130		6.80	20	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	70-130		5.51	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	70-130		6.88	20	
1,1,2-Trichloroethane	8.23		"	10.0		82.3	70-130		4.86	20	
1,1-Dichloroethane	9.89		"	10.0		98.9	70-130		8.43	20	
1,1-Dichloroethylene	9.96		"	10.0		99.6	70-130		7.63	20	
1,1-Dichloropropylene	9.56		"	10.0		95.6	83-133		6.09	30	
1,2,3-Trichlorobenzene	6.66		"	10.0		66.6	70-130	Low Bias	3.10	20	
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128		2.98	30	
1,2,4-Trichlorobenzene	7.26		"	10.0		72.6	70-130		1.77	20	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132		4.92	20	
1,2-Dibromo-3-chloropropane	8.51		"	10.0		85.1	40-160		7.90	20	
1,2-Dibromoethane	8.42		"	10.0		84.2	70-130		3.27	20	
1,2-Dichlorobenzene	10.1		"	10.0		101	70-130		3.11	20	
1,2-Dichloroethane	9.78		"	10.0		97.8	70-130		0.815	20	
1,2-Dichloropropane	8.62		"	10.0		86.2	70-130		6.62	20	
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131		5.70	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	70-130		2.91	20	
1,3-Dichloropropane	8.53		"	10.0		85.3	81-125		3.12	30	
1,4-Dichlorobenzene	9.96		"	10.0		99.6	70-130		4.61	20	
2,2-Dichloropropane	3.92		"	10.0		39.2	56-150	Low Bias	10.2	30	
2-Chlorotoluene	11.6		"	10.0		116	79-130		5.28	30	
2-Hexanone	6.89		"	10.0		68.9	40-160		14.5	20	
4-Chlorotoluene	11.2		"	10.0		112	79-128		5.71	30	
Acetone	8.90		"	10.0		89.0	40-160		4.93	20	
Benzene	9.61		"	10.0		96.1	70-130		6.54	20	
Bromobenzene	11.0		"	10.0		110	78-129		3.92	30	
Bromochloromethane	9.71		"	10.0		97.1	70-130		6.86	20	
Bromodichloromethane	8.82		"	10.0		88.2	70-130		5.19	20	
Bromoform	6.11		"	10.0		61.1	70-130	Low Bias	2.27	20	
Bromomethane	8.51		"	10.0		85.1	40-160		6.93	20	
Carbon tetrachloride	9.58		"	10.0		95.8	70-130		7.15	20	
Chlorobenzene	8.99		"	10.0		89.9	70-130		5.73	20	
Chloroethane	9.11		"	10.0		91.1	40-160		8.71	20	
Chloroform	9.76		"	10.0		97.6	70-130		6.54	20	
Chloromethane	10.3		"	10.0		103	40-160		12.8	20	
cis-1,2-Dichloroethylene	8.96		"	10.0		89.6	70-130		7.62	20	
cis-1,3-Dichloropropylene	7.32		"	10.0		73.2	70-130		5.32	20	
Dibromochloromethane	7.88		"	10.0		78.8	70-130		3.74	20	
Dibromomethane	8.64		"	10.0		86.4	72-134		5.41	30	
Dichlorodifluoromethane	11.0		"	10.0		110	40-160		8.71	20	
Ethyl Benzene	9.53		"	10.0		95.3	70-130		6.89	20	
Hexachlorobutadiene	5.67		"	10.0		56.7	67-146	Low Bias	1.05	30	
Isopropylbenzene	11.8		"	10.0		118	70-130		6.64	20	
Methyl tert-butyl ether (MTBE)	9.56		"	10.0		95.6	70-130		5.39	20	
Methylene chloride	10.4		"	10.0		104	70-130		6.52	20	
Naphthalene	7.96		"	10.0		79.6	70-147		1.37	30	
n-Butylbenzene	11.1		"	10.0		111	79-132		4.65	30	
n-Propylbenzene	11.9		"	10.0		119	78-133		5.07	30	
o-Xylene	9.29		"	10.0		92.9	70-130		6.26	20	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD90266 - EPA 5030B

LCS Dup (BD90266-BSD1)

Prepared & Analyzed: 04/09/2019

p- & m- Xylenes	19.3		ug/L	20.0		96.5	70-130		6.81	20
p-Isopropyltoluene	10.6		"	10.0		106	81-136		4.88	30
sec-Butylbenzene	11.5		"	10.0		115	79-137		6.65	30
Styrene	8.77		"	10.0		87.7	70-130		6.51	20
tert-Butylbenzene	11.4		"	10.0		114	77-138		5.23	30
Tetrachloroethylene	7.00		"	10.0		70.0	70-130		7.43	20
Toluene	9.50		"	10.0		95.0	70-130		5.53	20
trans-1,2-Dichloroethylene	9.41		"	10.0		94.1	70-130		6.78	20
trans-1,3-Dichloropropylene	7.34		"	10.0		73.4	70-130		3.18	20
Trichloroethylene	9.09		"	10.0		90.9	70-130		7.72	20
Trichlorofluoromethane	9.90		"	10.0		99.0	40-160		9.43	20
Vinyl Chloride	10.1		"	10.0		101	70-130		10.2	20
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		"	10.0		103	70-130			
Surrogate: SURR: Toluene-d8	10.2		"	10.0		102	70-130			
Surrogate: SURR: p-Bromofluorobenzene	11.8		"	10.0		118	70-130			

Batch BD90581 - EPA 5030B

Blank (BD90581-BLK1)

Prepared & Analyzed: 04/10/2019

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
2,2-Dichloropropane	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	ND	0.500	"
Acetone	ND	2.00	"
Benzene	ND	0.500	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD90581 - EPA 5030B

Blank (BD90581-BLK1)

Prepared & Analyzed: 04/10/2019

Carbon tetrachloride	ND	0.500	ug/L								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	10.8		"	10.0		108	70-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	70-130				
Surrogate: SURR: p-Bromofluorobenzene	11.5		"	10.0		115	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BD90581 - EPA 5030B											
LCS (BD90581-BS1)						Prepared & Analyzed: 04/10/2019					
1,1,1,2-Tetrachloroethane	8.86		ug/L	10.0		88.6	82-126			30	
1,1,1-Trichloroethane	11.4		"	10.0		114	70-130			20	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0		113	70-130			20	
1,1,2-Trichloroethane	8.62		"	10.0		86.2	70-130			20	
1,1-Dichloroethane	10.7		"	10.0		107	70-130			20	
1,1-Dichloroethylene	10.6		"	10.0		106	70-130			20	
1,1-Dichloropropylene	10.5		"	10.0		105	83-133			30	
1,2,3-Trichlorobenzene	6.32		"	10.0		63.2	70-130	Low Bias		20	
1,2,3-Trichloropropane	11.4		"	10.0		114	77-128			30	
1,2,4-Trichlorobenzene	7.66		"	10.0		76.6	70-130			20	
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132			20	
1,2-Dibromo-3-chloropropane	8.82		"	10.0		88.2	40-160			20	
1,2-Dibromoethane	8.77		"	10.0		87.7	70-130			20	
1,2-Dichlorobenzene	10.7		"	10.0		107	70-130			20	
1,2-Dichloroethane	10.0		"	10.0		100	70-130			20	
1,2-Dichloropropane	8.86		"	10.0		88.6	70-130			20	
1,3,5-Trimethylbenzene	12.0		"	10.0		120	80-131			30	
1,3-Dichlorobenzene	10.9		"	10.0		109	70-130			20	
1,3-Dichloropropane	8.38		"	10.0		83.8	81-125			30	
1,4-Dichlorobenzene	10.8		"	10.0		108	70-130			20	
2,2-Dichloropropane	10.8		"	10.0		108	56-150			30	
2-Chlorotoluene	12.4		"	10.0		124	79-130			30	
2-Hexanone	8.42		"	10.0		84.2	40-160			20	
4-Chlorotoluene	11.7		"	10.0		117	79-128			30	
Acetone	7.37		"	10.0		73.7	40-160			20	
Benzene	10.4		"	10.0		104	70-130			20	
Bromobenzene	11.3		"	10.0		113	78-129			30	
Bromochloromethane	10.6		"	10.0		106	70-130			20	
Bromodichloromethane	9.15		"	10.0		91.5	70-130			20	
Bromoform	6.34		"	10.0		63.4	70-130	Low Bias		20	
Bromomethane	8.16		"	10.0		81.6	40-160			20	
Carbon tetrachloride	10.6		"	10.0		106	70-130			20	
Chlorobenzene	9.47		"	10.0		94.7	70-130			20	
Chloroethane	9.54		"	10.0		95.4	40-160			20	
Chloroform	10.7		"	10.0		107	70-130			20	
Chloromethane	12.5		"	10.0		125	40-160			20	
cis-1,2-Dichloroethylene	10.5		"	10.0		105	70-130			20	
cis-1,3-Dichloropropylene	8.50		"	10.0		85.0	70-130			20	
Dibromochloromethane	8.25		"	10.0		82.5	70-130			20	
Dibromomethane	9.02		"	10.0		90.2	72-134			30	
Dichlorodifluoromethane	11.4		"	10.0		114	40-160			20	
Ethyl Benzene	10.1		"	10.0		101	70-130			20	
Hexachlorobutadiene	6.52		"	10.0		65.2	67-146	Low Bias		30	
Isopropylbenzene	12.6		"	10.0		126	70-130			20	
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	70-130			20	
Methylene chloride	11.4		"	10.0		114	70-130			20	
Naphthalene	7.24		"	10.0		72.4	70-147			30	
n-Butylbenzene	12.6		"	10.0		126	79-132			30	
n-Propylbenzene	12.6		"	10.0		126	78-133			30	
o-Xylene	9.78		"	10.0		97.8	70-130			20	



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 BD90581 - EPA 5030B											
LCS (BD90581-BS1)						Prepared & Analyzed: 04/10/2019					
p- & m- Xylenes	20.5		ug/L	20.0		103	70-130			20	
p-Isopropyltoluene	11.8		"	10.0		118	81-136			30	
sec-Butylbenzene	12.5		"	10.0		125	79-137			30	
Styrene	9.25		"	10.0		92.5	70-130			20	
tert-Butylbenzene	12.2		"	10.0		122	77-138			30	
Tetrachloroethylene	7.77		"	10.0		77.7	70-130			20	
Toluene	9.72		"	10.0		97.2	70-130			20	
trans-1,2-Dichloroethylene	10.1		"	10.0		101	70-130			20	
trans-1,3-Dichloropropylene	8.07		"	10.0		80.7	70-130			20	
Trichloroethylene	9.35		"	10.0		93.5	70-130			20	
Trichlorofluoromethane	10.8		"	10.0		108	40-160			20	
Vinyl Chloride	11.4		"	10.0		114	70-130			20	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>70-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.97</i>		<i>"</i>	<i>10.0</i>		<i>99.7</i>	<i>70-130</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>11.4</i>		<i>"</i>	<i>10.0</i>		<i>114</i>	<i>70-130</i>				
LCS Dup (BD90581-BS1)						Prepared & Analyzed: 04/10/2019					
1,1,1,2-Tetrachloroethane	8.69		ug/L	10.0		86.9	82-126		1.94	30	
1,1,1-Trichloroethane	11.1		"	10.0		111	70-130		1.87	20	
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	70-130		1.88	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0		113	70-130		0.0887	20	
1,1,2-Trichloroethane	8.66		"	10.0		86.6	70-130		0.463	20	
1,1-Dichloroethane	10.5		"	10.0		105	70-130		2.07	20	
1,1-Dichloroethylene	10.6		"	10.0		106	70-130		0.189	20	
1,1-Dichloropropylene	10.4		"	10.0		104	83-133		1.06	30	
1,2,3-Trichlorobenzene	6.53		"	10.0		65.3	70-130	Low Bias	3.27	20	
1,2,3-Trichloropropane	10.8		"	10.0		108	77-128		5.58	30	
1,2,4-Trichlorobenzene	7.64		"	10.0		76.4	70-130		0.261	20	
1,2,4-Trimethylbenzene	11.3		"	10.0		113	82-132		2.28	20	
1,2-Dibromo-3-chloropropane	8.50		"	10.0		85.0	40-160		3.70	20	
1,2-Dibromoethane	8.90		"	10.0		89.0	70-130		1.47	20	
1,2-Dichlorobenzene	10.6		"	10.0		106	70-130		1.60	20	
1,2-Dichloroethane	10.4		"	10.0		104	70-130		3.72	20	
1,2-Dichloropropane	8.76		"	10.0		87.6	70-130		1.14	20	
1,3,5-Trimethylbenzene	11.7		"	10.0		117	80-131		2.28	30	
1,3-Dichlorobenzene	10.6		"	10.0		106	70-130		2.60	20	
1,3-Dichloropropane	8.70		"	10.0		87.0	81-125		3.75	30	
1,4-Dichlorobenzene	10.4		"	10.0		104	70-130		3.11	20	
2,2-Dichloropropane	10.7		"	10.0		107	56-150		0.928	30	
2-Chlorotoluene	11.8		"	10.0		118	79-130		4.87	30	
2-Hexanone	8.31		"	10.0		83.1	40-160		1.31	20	
4-Chlorotoluene	11.3		"	10.0		113	79-128		3.56	30	
Acetone	7.57		"	10.0		75.7	40-160		2.68	20	
Benzene	10.2		"	10.0		102	70-130		1.75	20	
Bromobenzene	10.9		"	10.0		109	78-129		3.70	30	
Bromochloromethane	11.0		"	10.0		110	70-130		3.05	20	
Bromodichloromethane	9.06		"	10.0		90.6	70-130		0.988	20	
Bromoform	6.36		"	10.0		63.6	70-130	Low Bias	0.315	20	
Bromomethane	9.31		"	10.0		93.1	40-160		13.2	20	
Carbon tetrachloride	10.6		"	10.0		106	70-130		0.377	20	
Chlorobenzene	9.30		"	10.0		93.0	70-130		1.81	20	



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 BD90581 - EPA 5030B											
LCS Dup (BD90581-BSD1)						Prepared & Analyzed: 04/10/2019					
Chloroethane	9.49		ug/L	10.0		94.9	40-160		0.525	20	
Chloroform	10.6		"	10.0		106	70-130		1.32	20	
Chloromethane	12.3		"	10.0		123	40-160		1.45	20	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	70-130		0.853	20	
cis-1,3-Dichloropropylene	8.38		"	10.0		83.8	70-130		1.42	20	
Dibromochloromethane	8.25		"	10.0		82.5	70-130		0.00	20	
Dibromomethane	8.95		"	10.0		89.5	72-134		0.779	30	
Dichlorodifluoromethane	11.0		"	10.0		110	40-160		3.59	20	
Ethyl Benzene	9.82		"	10.0		98.2	70-130		2.51	20	
Hexachlorobutadiene	6.37		"	10.0		63.7	67-146	Low Bias	2.33	30	
Isopropylbenzene	12.0		"	10.0		120	70-130		4.47	20	
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	70-130		0.988	20	
Methylene chloride	11.4		"	10.0		114	70-130		0.262	20	
Naphthalene	7.47		"	10.0		74.7	70-147		3.13	30	
n-Butylbenzene	12.4		"	10.0		124	79-132		1.20	30	
n-Propylbenzene	12.1		"	10.0		121	78-133		4.14	30	
o-Xylene	9.54		"	10.0		95.4	70-130		2.48	20	
p- & m- Xylenes	20.0		"	20.0		100	70-130		2.47	20	
p-Isopropyltoluene	11.5		"	10.0		115	81-136		3.09	30	
sec-Butylbenzene	12.3		"	10.0		123	79-137		1.69	30	
Styrene	9.17		"	10.0		91.7	70-130		0.869	20	
tert-Butylbenzene	11.8		"	10.0		118	77-138		3.09	30	
Tetrachloroethylene	7.59		"	10.0		75.9	70-130		2.34	20	
Toluene	9.52		"	10.0		95.2	70-130		2.08	20	
trans-1,2-Dichloroethylene	9.77		"	10.0		97.7	70-130		3.12	20	
trans-1,3-Dichloropropylene	8.02		"	10.0		80.2	70-130		0.621	20	
Trichloroethylene	9.05		"	10.0		90.5	70-130		3.26	20	
Trichlorofluoromethane	10.5		"	10.0		105	40-160		2.44	20	
Vinyl Chloride	10.6		"	10.0		106	70-130		8.09	20	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.8		"	10.0		108	70-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	70-130				
Surrogate: SURR: p-Bromofluorobenzene	11.3		"	10.0		113	70-130				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19D0192-01	WQ040219: 1300 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19D0192-02	WQ040219: 1305 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19D0192-03	WQ040219: 1310 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19D0192-04	WQ040219: 1340 NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

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.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

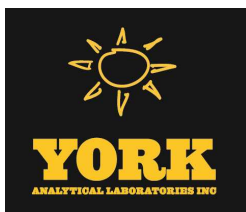
Field Chain-of-Custody Record

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. 19D0192

Page 1 of 1

YOUR INFORMATION		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type																																																																							
Company: <u>WSP USA</u>	<u>SAME</u> ☒	<u>SAME</u> ☒	Name: _____	31401451.000 task		RUSH-Same Day		Summary Report		X, PDF																																																																							
Address: <u>4 Research Drive</u>	Name: _____	Company: _____	Company: _____	Purchase Order #		RUSH-Next Day		QA Report		X, PDF																																																																							
Suite <u>301, Shelton CT 06484</u>	Address: _____	Address: _____	Address: _____	31401451.000 task		RUSH-Two Day		CT RCP																																																																									
Phone: <u>203.929.8555</u>				01.00		RUSH-Three Day		CT RCP DQA/DUE Pkg																																																																									
Contact: <u>Tunde Sandor</u>				Samples from CT, NY & NJ		RUSH-Four Day		NY ASP A Package																																																																									
E-mail: <u>tunde.sandor@wsp.com</u>				E-mail		Standard (5-7day)		NY ASP B Package		X, PDF																																																																							
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) <u>[Signature]</u> Name (printed) <u>Frank Foster</u>																																																																																	
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Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 05/03/2019
Client Project ID: Rowe Industries
York Project (SDG) No.: 19D1406

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 05/03/2019
Client Project ID: Rowe Industries
York Project (SDG) No.: 19D1406

WSP USA, Inc. (Shelton)
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 April 30, 2019 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 Sample and Analysis Qualifiers 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 Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
19D1406-01	WQ042919:1045 FRW-3	Water	04/29/2019	04/30/2019

General Notes for York Project (SDG) No.: 19D1406

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 analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. 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:



Benjamin Gulizia
Laboratory Director

Date: 05/03/2019





Sample Information

Client Sample ID: WQ042919:1045 FRW-3

York Sample ID: 19D1406-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19D1406

Rowe Industries

Water

April 29, 2019 10:45 am

04/30/2019

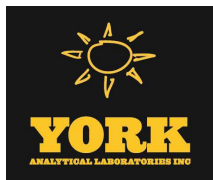
Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/01/2019 12:30	05/03/2019 08:59	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS



Sample Information

Client Sample ID: WQ042919:1045 FRW-3

York Sample ID: 19D1406-01

York Project (SDG) No.
19D1406

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
April 29, 2019 10:45 am

Date Received
04/30/2019

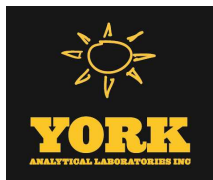
Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
67-64-1	Acetone	3.24		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
156-59-2	cis-1,2-Dichloroethylene	1.17		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS



Sample Information

Client Sample ID: WQ042919:1045 FRW-3

York Sample ID: 19D1406-01

York Project (SDG) No.
19D1406

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
April 29, 2019 10:45 am

Date Received
04/30/2019

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
127-18-4	Tetrachloroethylene	20.2	ICV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
79-01-6	Trichloroethylene	0.550		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/01/2019 12:30	05/03/2019 08:59	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/01/2019 12:30	05/03/2019 08:59	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.2 %	70-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.1 %	70-130								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %	70-130								



Analytical Batch Summary

Batch ID: BE90133

Preparation Method: EPA 5030B

Prepared By: AB

YORK Sample ID	Client Sample ID	Preparation Date
19D1406-01	WQ042919:1045 FRW-3	05/01/19
BE90133-BLK1	Blank	05/02/19
BE90133-BS1	LCS	05/02/19
BE90133-BSD1	LCS Dup	05/02/19



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE90133 - EPA 5030B

Blank (BE90133-BLK1)

Prepared: 05/02/2019 Analyzed: 05/03/2019

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
2,2-Dichloropropane	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	ND	0.500	"
Acetone	ND	2.00	"
Benzene	ND	0.500	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"
Dichlorodifluoromethane	ND	0.500	"
Ethyl Benzene	ND	0.500	"
Hexachlorobutadiene	ND	0.500	"
Isopropylbenzene	ND	0.500	"
Methyl tert-butyl ether (MTBE)	ND	0.500	"
Methylene chloride	ND	2.00	"
Naphthalene	ND	2.00	"
n-Butylbenzene	ND	0.500	"



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 BE90133 - EPA 5030B											
Blank (BE90133-BLK1)						Prepared: 05/02/2019 Analyzed: 05/03/2019					
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	9.50		"	10.0		95.0	70-130				
Surrogate: SURR: Toluene-d8	9.90		"	10.0		99.0	70-130				
Surrogate: SURR: p-Bromofluorobenzene	10.5		"	10.0		105	70-130				
LCS (BE90133-BS1)						Prepared & Analyzed: 05/02/2019					
1,1,1,2-Tetrachloroethane	9.82		ug/L	10.0		98.2	82-126			30	
1,1,1-Trichloroethane	9.71		"	10.0		97.1	70-130			20	
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	70-130			20	
1,1,2-Trichloroethane	9.55		"	10.0		95.5	70-130			20	
1,1-Dichloroethane	9.89		"	10.0		98.9	70-130			20	
1,1-Dichloroethylene	9.87		"	10.0		98.7	70-130			20	
1,1-Dichloropropylene	9.90		"	10.0		99.0	83-133			30	
1,2,3-Trichlorobenzene	9.83		"	10.0		98.3	70-130			20	
1,2,3-Trichloropropane	9.94		"	10.0		99.4	77-128			30	
1,2,4-Trichlorobenzene	9.48		"	10.0		94.8	70-130			20	
1,2,4-Trimethylbenzene	9.93		"	10.0		99.3	82-132			20	
1,2-Dibromo-3-chloropropane	9.44		"	10.0		94.4	40-160			20	
1,2-Dibromoethane	9.91		"	10.0		99.1	70-130			20	
1,2-Dichlorobenzene	9.75		"	10.0		97.5	70-130			20	
1,2-Dichloroethane	10.0		"	10.0		100	70-130			20	
1,2-Dichloropropane	9.64		"	10.0		96.4	70-130			20	
1,3,5-Trimethylbenzene	9.92		"	10.0		99.2	80-131			30	
1,3-Dichlorobenzene	9.67		"	10.0		96.7	70-130			20	
1,3-Dichloropropane	9.87		"	10.0		98.7	81-125			30	
1,4-Dichlorobenzene	9.60		"	10.0		96.0	70-130			20	
2,2-Dichloropropane	8.64		"	10.0		86.4	56-150			30	
2-Chlorotoluene	9.95		"	10.0		99.5	79-130			30	
2-Hexanone	9.59		"	10.0		95.9	40-160			20	
4-Chlorotoluene	9.84		"	10.0		98.4	79-128			30	
Acetone	7.85		"	10.0		78.5	40-160			20	
Benzene	10.2		"	10.0		102	70-130			20	
Bromobenzene	9.91		"	10.0		99.1	78-129			30	
Bromochloromethane	10.1		"	10.0		101	70-130			20	
Bromodichloromethane	9.71		"	10.0		97.1	70-130			20	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE90133 - EPA 5030B

LCS (BE90133-BS1)

Prepared & Analyzed: 05/02/2019

Bromoform	9.20		ug/L	10.0		92.0	70-130			20	
Bromomethane	8.72		"	10.0		87.2	40-160			20	
Carbon tetrachloride	9.76		"	10.0		97.6	70-130			20	
Chlorobenzene	9.75		"	10.0		97.5	70-130			20	
Chloroethane	10.9		"	10.0		109	40-160			20	
Chloroform	9.71		"	10.0		97.1	70-130			20	
Chloromethane	11.0		"	10.0		110	40-160			20	
cis-1,2-Dichloroethylene	9.90		"	10.0		99.0	70-130			20	
cis-1,3-Dichloropropylene	9.52		"	10.0		95.2	70-130			20	
Dibromochloromethane	9.59		"	10.0		95.9	70-130			20	
Dibromomethane	9.38		"	10.0		93.8	72-134			30	
Dichlorodifluoromethane	12.1		"	10.0		121	40-160			20	
Ethyl Benzene	10.0		"	10.0		100	70-130			20	
Hexachlorobutadiene	9.87		"	10.0		98.7	67-146			30	
Isopropylbenzene	9.93		"	10.0		99.3	70-130			20	
Methyl tert-butyl ether (MTBE)	9.84		"	10.0		98.4	70-130			20	
Methylene chloride	9.07		"	10.0		90.7	70-130			20	
Naphthalene	9.64		"	10.0		96.4	70-147			30	
n-Butylbenzene	10.2		"	10.0		102	79-132			30	
n-Propylbenzene	10.1		"	10.0		101	78-133			30	
o-Xylene	9.96		"	10.0		99.6	70-130			20	
p- & m- Xylenes	20.2		"	20.0		101	70-130			20	
p-Isopropyltoluene	10.2		"	10.0		102	81-136			30	
sec-Butylbenzene	10.7		"	10.0		107	79-137			30	
Styrene	9.96		"	10.0		99.6	70-130			20	
tert-Butylbenzene	10.0		"	10.0		100	77-138			30	
Tetrachloroethylene	6.86		"	10.0		68.6	70-130	Low Bias		20	
Toluene	9.93		"	10.0		99.3	70-130			20	
trans-1,2-Dichloroethylene	9.69		"	10.0		96.9	70-130			20	
trans-1,3-Dichloropropylene	9.31		"	10.0		93.1	70-130			20	
Trichloroethylene	9.81		"	10.0		98.1	70-130			20	
Trichlorofluoromethane	11.4		"	10.0		114	40-160			20	
Vinyl Chloride	11.8		"	10.0		118	70-130			20	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.85		"	10.0		98.5	70-130				
Surrogate: SURR: Toluene-d8	9.95		"	10.0		99.5	70-130				
Surrogate: SURR: p-Bromofluorobenzene	10.2		"	10.0		102	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE90133 - EPA 5030B											
LCS Dup (BE90133-BSD1)						Prepared & Analyzed: 05/02/2019					
1,1,1,2-Tetrachloroethane	9.57		ug/L	10.0		95.7	82-126		2.58	30	
1,1,1-Trichloroethane	9.25		"	10.0		92.5	70-130		4.85	20	
1,1,2,2-Tetrachloroethane	9.95		"	10.0		99.5	70-130		0.801	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.77		"	10.0		97.7	70-130		4.31	20	
1,1,2-Trichloroethane	9.48		"	10.0		94.8	70-130		0.736	20	
1,1-Dichloroethane	9.60		"	10.0		96.0	70-130		2.98	20	
1,1-Dichloroethylene	9.36		"	10.0		93.6	70-130		5.30	20	
1,1-Dichloropropylene	9.42		"	10.0		94.2	83-133		4.97	30	
1,2,3-Trichlorobenzene	10.3		"	10.0		103	70-130		4.38	20	
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128		0.702	30	
1,2,4-Trichlorobenzene	9.46		"	10.0		94.6	70-130		0.211	20	
1,2,4-Trimethylbenzene	9.56		"	10.0		95.6	82-132		3.80	20	
1,2-Dibromo-3-chloropropane	9.55		"	10.0		95.5	40-160		1.16	20	
1,2-Dibromoethane	9.74		"	10.0		97.4	70-130		1.73	20	
1,2-Dichlorobenzene	9.49		"	10.0		94.9	70-130		2.70	20	
1,2-Dichloroethane	9.78		"	10.0		97.8	70-130		2.62	20	
1,2-Dichloropropane	9.38		"	10.0		93.8	70-130		2.73	20	
1,3,5-Trimethylbenzene	9.53		"	10.0		95.3	80-131		4.01	30	
1,3-Dichlorobenzene	9.34		"	10.0		93.4	70-130		3.47	20	
1,3-Dichloropropane	9.84		"	10.0		98.4	81-125		0.304	30	
1,4-Dichlorobenzene	9.30		"	10.0		93.0	70-130		3.17	20	
2,2-Dichloropropane	8.22		"	10.0		82.2	56-150		4.98	30	
2-Chlorotoluene	9.50		"	10.0		95.0	79-130		4.63	30	
2-Hexanone	9.99		"	10.0		99.9	40-160		4.09	20	
4-Chlorotoluene	9.46		"	10.0		94.6	79-128		3.94	30	
Acetone	7.82		"	10.0		78.2	40-160		0.383	20	
Benzene	9.87		"	10.0		98.7	70-130		2.99	20	
Bromobenzene	9.70		"	10.0		97.0	78-129		2.14	30	
Bromochloromethane	9.93		"	10.0		99.3	70-130		1.60	20	
Bromodichloromethane	9.45		"	10.0		94.5	70-130		2.71	20	
Bromoform	9.21		"	10.0		92.1	70-130		0.109	20	
Bromomethane	8.51		"	10.0		85.1	40-160		2.44	20	
Carbon tetrachloride	9.40		"	10.0		94.0	70-130		3.76	20	
Chlorobenzene	9.48		"	10.0		94.8	70-130		2.81	20	
Chloroethane	10.4		"	10.0		104	40-160		4.04	20	
Chloroform	9.54		"	10.0		95.4	70-130		1.77	20	
Chloromethane	10.2		"	10.0		102	40-160		7.71	20	
cis-1,2-Dichloroethylene	9.53		"	10.0		95.3	70-130		3.81	20	
cis-1,3-Dichloropropylene	9.29		"	10.0		92.9	70-130		2.45	20	
Dibromochloromethane	9.59		"	10.0		95.9	70-130		0.00	20	
Dibromomethane	9.33		"	10.0		93.3	72-134		0.534	30	
Dichlorodifluoromethane	11.4		"	10.0		114	40-160		5.79	20	
Ethyl Benzene	9.70		"	10.0		97.0	70-130		3.54	20	
Hexachlorobutadiene	9.63		"	10.0		96.3	67-146		2.46	30	
Isopropylbenzene	9.45		"	10.0		94.5	70-130		4.95	20	
Methyl tert-butyl ether (MTBE)	9.95		"	10.0		99.5	70-130		1.11	20	
Methylene chloride	8.96		"	10.0		89.6	70-130		1.22	20	
Naphthalene	9.84		"	10.0		98.4	70-147		2.05	30	
n-Butylbenzene	9.83		"	10.0		98.3	79-132		3.79	30	
n-Propylbenzene	9.66		"	10.0		96.6	78-133		4.85	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

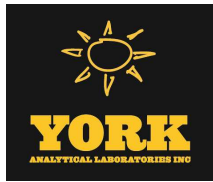
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE90133 - EPA 5030B

LCS Dup (BE90133-BSD1)

Prepared & Analyzed: 05/02/2019

o-Xylene	9.69		ug/L	10.0		96.9	70-130		2.75	20
p- & m- Xylenes	19.5		"	20.0		97.7	70-130		3.12	20
p-Isopropyltoluene	9.78		"	10.0		97.8	81-136		4.40	30
sec-Butylbenzene	10.1		"	10.0		101	79-137		5.20	30
Styrene	9.78		"	10.0		97.8	70-130		1.82	20
tert-Butylbenzene	9.59		"	10.0		95.9	77-138		4.29	30
Tetrachloroethylene	6.59		"	10.0		65.9	70-130	Low Bias	4.01	20
Toluene	9.55		"	10.0		95.5	70-130		3.90	20
trans-1,2-Dichloroethylene	9.35		"	10.0		93.5	70-130		3.57	20
trans-1,3-Dichloropropylene	9.06		"	10.0		90.6	70-130		2.72	20
Trichloroethylene	9.48		"	10.0		94.8	70-130		3.42	20
Trichlorofluoromethane	10.9		"	10.0		109	40-160		5.11	20
Vinyl Chloride	11.2		"	10.0		112	70-130		5.39	20
Surrogate: SURR: 1,2-Dichloroethane-d4	10.1		"	10.0		101	70-130			
Surrogate: SURR: Toluene-d8	9.84		"	10.0		98.4	70-130			
Surrogate: SURR: p-Bromofluorobenzene	10.2		"	10.0		102	70-130			



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19D1406-01	WQ042919:1045 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

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.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
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).

Definitions and Other Explanations

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

Field Chain-of-Custody Record

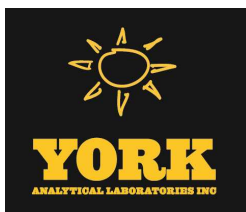
Page of

York Project No. 19D1406

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.

YOUR INFORMATION		Report To:		Invoice To:		YOUR PROJECT ID		Turn-Around Time		Report Type																													
Company: <u>LBG-</u>	Company: <u>GATE</u>	Company: <u>WSP</u>	Company: <u>Row Industries</u>	RUSH - Same Day ☐	RUSH - Next Day ☐	RUSH - Two Day ☐	RUSH - Three Day ☐	RUSH - Four Day ☐	Summary Report <u>pdf</u>	Summary w/ QA Summary <u>pdf</u>	CT RCP Package <u>pdf</u>																												
Address: <u>4 Research Dr. Suite 204</u>	Address: <u>Shelton CT 06484</u>	Address: <u>WSP</u>	Address: <u>Row Industries</u>	Purchase Order No. <u> </u>				CT RCP Package <u>pdf</u>	CT RCP Package <u>pdf</u>	CT RCP Package <u>pdf</u>	CT RCP Package <u>pdf</u>																												
Phone No. <u>203-428-8555</u>	Phone No. <u>203-428-8555</u>	Phone No. <u>WSP</u>	Phone No. <u>Row Industries</u>	Samples from: CT <u>NY</u> X NJ <u> </u>				Standard (5-7 Days) ☒	Electronic Data Deliverables (EDDL) <u> </u>	Electronic Data Deliverables (EDDL) <u> </u>	Electronic Data Deliverables (EDDL) <u> </u>																												
Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>WSP</u>	Contact Person: <u>Row Industries</u>	E-Mail Address: <u>Tunde.Sander@wsp.com</u>				Simple Excel <u> </u>				Simple Excel <u> </u>																											
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.				Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor				Volatiles 8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list TCL list Arom. only Halog. only App. IX list 8021B list				Semi-Vol. 8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NIDE list App. IX TCLP BNA SPL or TCLP				Metals RCRA8 PP13 list TAL CT15 list TAGM list NIDE list Total Dissolved SPL or TCLP Herb Chlordane 608 Pest 608 PCB				Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium				Full Lists Pri. Poll. TCL Ograns TAL MetCN Full TCLP Full App. IX Part 360-hour Part 360-hour Part 360-hour Part 360-hour NYCDEP NYCDEP TAGM Silica				Misc. Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterotrophs TOX BTU/lb. Aquatic Tox. TOC Asbestos Silica				York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (please fill in):				Container Description(s) <u>3V</u>			
Sample Identification <u>WSP 428-8555 FAW-3</u>		Date/Time Sampled <u>4/24/19 1045</u>		Sample Matrix <u>GW</u>		Choose Analyses Needed from the Menu Above and Enter Below <u>Vol 8260 full list (EPA SW846-8600) plus from 113</u>						Temperature on Receipt <u>3.6 °C</u>																											
Comments		Preservation Check those Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐		4°C <u> </u> Frozen <u> </u> HCl <u> </u> MeOH <u> </u> NaOH <u> </u> ZnAc <u> </u> Ascorbic Acid <u> </u> Other <u> </u>		Samples Relinquished By <u>WSP</u> <u>4/30/19 1455</u>		Samples Relinquished By <u>WSP</u> <u>4/30/19 1812</u>		Samples Received By <u>WSP</u> <u>4/30/19 1812</u>		Date/Time <u>4/30/19 1812</u>																											

APPENDIX III
APRIL 2019 LABORATORY ANALYTICAL REPORT
FOR AIR SAMPLES



Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 05/01/2019
Client Project ID: 31401451.000 task 01 Rowe
York Project (SDG) No.: 19D1208

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
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132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 05/01/2019
Client Project ID: 31401451.000 task 01 Rowe
York Project (SDG) No.: 19D1208

WSP USA, Inc. (Shelton)
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 April 25, 2019 and listed below. The project was identified as your project: **31401451.000 task 01 Rowe**.

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 Sample and Analysis Qualifiers 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 Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
19D1208-01	WQ041619: 1300 NP4-1	Vapor Extraction	04/16/2019	04/25/2019
19D1208-02	WQ041619: 1305 NP4-3	Vapor Extraction	04/16/2019	04/25/2019

General Notes for York Project (SDG) No.: 19D1208

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 analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. 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:



Benjamin Gulizia
Laboratory Director

Date: 05/01/2019





Sample Information

Client Sample ID: WQ041619: 1300 NP4-1

York Sample ID: 19D1208-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19D1208

31401451.000 task 01 Rowe

Vapor Extraction

April 16, 2019 1:00 pm

04/25/2019

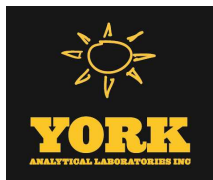
Volatile Organics, EPA TO15 Full List

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/m ³	1.1	1.596	EPA TO-15 Certifications:	04/29/2019 09:00	04/29/2019 21:48	AS
71-55-6	1,1,1-Trichloroethane	1.1		ug/m ³	0.87	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.87	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.65	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.16	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.78	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.96	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.65	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.74	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.78	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.96	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.74	1.596	EPA TO-15 Certifications:	04/29/2019 09:00	04/29/2019 21:48	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.96	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
78-93-3	2-Butanone	0.71		ug/m ³	0.47	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.596	EPA TO-15 Certifications:	04/29/2019 09:00	04/29/2019 21:48	AS



Sample Information

Client Sample ID: WQ041619: 1300 NP4-1

York Sample ID: 19D1208-01

York Project (SDG) No.

19D1208

Client Project ID

31401451.000 task 01 Rowe

Matrix

Vapor Extraction

Collection Date/Time

April 16, 2019 1:00 pm

Date Received

04/25/2019

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/m ³	2.5	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.65	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
67-64-1	Acetone	5.2		ug/m ³	0.76	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.35	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
71-43-2	Benzene	ND		ug/m ³	0.51	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
100-44-7	Benzyl chloride	ND		ug/m ³	0.83	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
75-25-2	Bromoform	ND		ug/m ³	1.6	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
74-83-9	Bromomethane	ND		ug/m ³	0.62	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
75-15-0	Carbon disulfide	ND		ug/m ³	0.50	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.25	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
108-90-7	Chlorobenzene	ND		ug/m ³	0.73	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
75-00-3	Chloroethane	ND		ug/m ³	0.42	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
67-66-3	Chloroform	4.7		ug/m ³	0.78	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
74-87-3	Chloromethane	0.76	TO-LC S-L	ug/m ³	0.33	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
156-59-2	cis-1,2-Dichloroethylene	1.0		ug/m ³	0.16	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.72	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
110-82-7	Cyclohexane	ND		ug/m ³	0.55	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
75-71-8	Dichlorodifluoromethane	2.4		ug/m ³	0.79	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
100-41-4	Ethyl Benzene	ND		ug/m ³	0.69	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.7	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS



Sample Information

Client Sample ID: WQ041619: 1300 NP4-1

York Sample ID: 19D1208-01

York Project (SDG) No.

19D1208

Client Project ID

31401451.000 task 01 Rowe

Matrix

Vapor Extraction

Collection Date/Time

April 16, 2019 1:00 pm

Date Received

04/25/2019

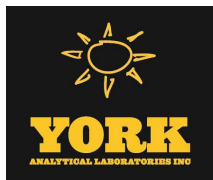
Volatile Organics, EPA TO15 Full List

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	2.9		ug/m ³	0.78	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.65	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.58	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
75-09-2	Methylene chloride	ND		ug/m ³	1.1	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
142-82-5	n-Heptane	ND		ug/m ³	0.65	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
110-54-3	n-Hexane	ND		ug/m ³	0.56	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
95-47-6	o-Xylene	ND		ug/m ³	0.69	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.4	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.78	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
115-07-1	* Propylene	1.3		ug/m ³	0.27	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
100-42-5	Styrene	ND		ug/m ³	0.68	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
127-18-4	Tetrachloroethylene	5.6		ug/m ³	0.27	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.94	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
108-88-3	Toluene	ND		ug/m ³	0.60	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.63	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.72	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
79-01-6	Trichloroethylene	4.7		ug/m ³	0.21	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
75-69-4	Trichlorofluoromethane (Freon 11)	1.5		ug/m ³	0.90	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
108-05-4	Vinyl acetate	ND		ug/m ³	0.56	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
593-60-2	Vinyl bromide	ND		ug/m ³	0.70	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.10	1.596	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 21:48	AS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.7 %	70-130							



Sample Information

Client Sample ID: WQ041619: 1305 NP4-3

York Sample ID: 19D1208-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19D1208

31401451.000 task 01 Rowe

Vapor Extraction

April 16, 2019 1:05 pm

04/25/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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/m ³	0.98	1.431	EPA TO-15 Certifications:	04/29/2019 09:00	04/29/2019 22:40	AS
71-55-6	1,1,1-Trichloroethane	0.94		ug/m ³	0.78	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.98	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.1	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.78	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.58	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.14	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
95-63-6	1,2,4-Trimethylbenzene	3.4		ug/m ³	0.70	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.1	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.86	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.58	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.66	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.0	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
108-67-8	1,3,5-Trimethylbenzene	0.98		ug/m ³	0.70	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.95	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.86	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.66	1.431	EPA TO-15 Certifications:	04/29/2019 09:00	04/29/2019 22:40	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.86	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.0	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
78-93-3	2-Butanone	ND		ug/m ³	0.42	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.2	1.431	EPA TO-15 Certifications:	04/29/2019 09:00	04/29/2019 22:40	AS
107-05-1	3-Chloropropene	ND		ug/m ³	2.2	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS



Sample Information

Client Sample ID: WQ041619: 1305 NP4-3

York Sample ID: 19D1208-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19D1208

31401451.000 task 01 Rowe

Vapor Extraction

April 16, 2019 1:05 pm

04/25/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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/m ³	0.59	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
67-64-1	Acetone	8.2		ug/m ³	0.68	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.31	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
71-43-2	Benzene	2.3		ug/m ³	0.46	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
100-44-7	Benzyl chloride	ND		ug/m ³	0.74	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.96	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
75-25-2	Bromoform	ND		ug/m ³	1.5	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
74-83-9	Bromomethane	ND		ug/m ³	0.56	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
75-15-0	Carbon disulfide	ND		ug/m ³	0.45	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.23	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
108-90-7	Chlorobenzene	ND		ug/m ³	0.66	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
75-00-3	Chloroethane	ND		ug/m ³	0.38	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
67-66-3	Chloroform	1.1		ug/m ³	0.70	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
74-87-3	Chloromethane	1.0	TO-LC S-L	ug/m ³	0.30	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
156-59-2	cis-1,2-Dichloroethylene	3.0		ug/m ³	0.14	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.65	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
110-82-7	Cyclohexane	2.3		ug/m ³	0.49	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.2	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
75-71-8	Dichlorodifluoromethane	2.4		ug/m ³	0.71	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.0	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
100-41-4	Ethyl Benzene	3.5		ug/m ³	0.62	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.5	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
67-63-0	Isopropanol	1.1		ug/m ³	0.70	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS



Sample Information

Client Sample ID: WQ041619: 1305 NP4-3

York Sample ID: 19D1208-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19D1208

31401451.000 task 01 Rowe

Vapor Extraction

April 16, 2019 1:05 pm

04/25/2019

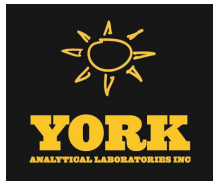
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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/m ³	0.59	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.52	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
75-09-2	Methylene chloride	4.5		ug/m ³	0.99	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
142-82-5	n-Heptane	7.3		ug/m ³	0.59	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
110-54-3	n-Hexane	8.6		ug/m ³	0.50	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
95-47-6	o-Xylene	4.7		ug/m ³	0.62	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
179601-23-1	p- & m- Xylenes	12		ug/m ³	1.2	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
622-96-8	* p-Ethyltoluene	3.0		ug/m ³	0.70	1.431	EPA TO-15 Certifications:	04/29/2019 09:00	04/29/2019 22:40	AS
115-07-1	* Propylene	ND		ug/m ³	0.25	1.431	EPA TO-15 Certifications:	04/29/2019 09:00	04/29/2019 22:40	AS
100-42-5	Styrene	ND		ug/m ³	0.61	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
127-18-4	Tetrachloroethylene	3.1		ug/m ³	0.24	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.84	1.431	EPA TO-15 Certifications:	04/29/2019 09:00	04/29/2019 22:40	AS
108-88-3	Toluene	21		ug/m ³	0.54	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.57	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.65	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
79-01-6	Trichloroethylene	ND		ug/m ³	0.19	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
75-69-4	Trichlorofluoromethane (Freon 11)	1.6		ug/m ³	0.80	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
108-05-4	Vinyl acetate	ND		ug/m ³	0.50	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
593-60-2	Vinyl bromide	ND		ug/m ³	0.63	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.091	1.431	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/29/2019 09:00	04/29/2019 22:40	AS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	70-130							



Analytical Batch Summary

Batch ID: BD91574

Preparation Method: EPA TO15 PREP

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
19D1208-01	WQ041619: 1300 NP4-1	04/29/19
19D1208-02	WQ041619: 1305 NP4-3	04/29/19
BD91574-BLK1	Blank	04/29/19
BD91574-BS1	LCS	04/29/19
BD91574-DUP1	Duplicate	04/29/19



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 BD91574 - EPA TO15 PREP											
Blank (BD91574-BLK1)										Prepared & Analyzed: 04/29/2019	
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
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	0.099	"								
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	"								



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD91574 - EPA TO15 PREP

Blank (BD91574-BLK1)

Prepared & Analyzed: 04/29/2019

n-Heptane	ND	0.41	ug/m ³								
n-Hexane	ND	0.35	"								
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	0.064	"								

Surrogate: SURR: p-Bromofluorobenzene	9.05		ppbv	10.0		90.5	70-130				
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LCS (BD91574-BS1)

Prepared & Analyzed: 04/29/2019

1,1,1,2-Tetrachloroethane	10.5		ppbv	10.0		105	70-130				
1,1,1-Trichloroethane	11.1		"	10.0		111	70-130				
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6		"	10.0		116	70-130				
1,1,2-Trichloroethane	10.1		"	10.0		101	70-130				
1,1-Dichloroethane	11.1		"	10.0		111	70-130				
1,1-Dichloroethylene	11.9		"	10.0		119	70-130				
1,2,4-Trichlorobenzene	12.0		"	10.0		120	70-130				
1,2,4-Trimethylbenzene	11.1		"	10.0		111	70-130				
1,2-Dibromoethane	10.5		"	10.0		105	70-130				
1,2-Dichlorobenzene	12.4		"	10.0		124	70-130				
1,2-Dichloroethane	10.9		"	10.0		109	70-130				
1,2-Dichloropropane	10.0		"	10.0		100	70-130				
1,2-Dichlorotetrafluoroethane	9.35		"	10.0		93.5	70-130				
1,3,5-Trimethylbenzene	10.6		"	10.0		106	70-130				
1,3-Butadiene	7.20		"	10.0		72.0	70-130				
1,3-Dichlorobenzene	12.3		"	10.0		123	70-130				
1,3-Dichloropropane	10.3		"	10.0		103	70-130				
1,4-Dichlorobenzene	12.6		"	10.0		126	70-130				
1,4-Dioxane	9.33		"	10.0		93.3	70-130				
2-Butanone	9.85		"	10.0		98.5	70-130				
2-Hexanone	9.54		"	10.0		95.4	70-130				
3-Chloropropene	10.1		"	10.0		101	70-130				
4-Methyl-2-pentanone	9.29		"	10.0		92.9	70-130				
Acetone	9.50		"	10.0		95.0	70-130				
Acrylonitrile	10.4		"	10.0		104	70-130				
Benzene	10.6		"	10.0		106	70-130				
Benzyl chloride	14.1		"	10.0		141	70-130	High Bias			
Bromodichloromethane	10.5		"	10.0		105	70-130				
Bromoform	10.8		"	10.0		108	70-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD91574 - EPA TO15 PREP

LCS (BD91574-BS1)

Prepared & Analyzed: 04/29/2019

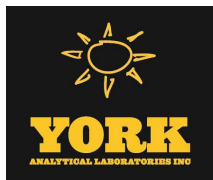
Bromomethane	11.8		ppbv	10.0		118	70-130				
Carbon disulfide	11.9		"	10.0		119	70-130				
Carbon tetrachloride	12.1		"	10.0		121	70-130				
Chlorobenzene	10.5		"	10.0		105	70-130				
Chloroethane	11.3		"	10.0		113	70-130				
Chloroform	11.2		"	10.0		112	70-130				
Chloromethane	6.73		"	10.0		67.3	70-130	Low Bias			
cis-1,2-Dichloroethylene	11.5		"	10.0		115	70-130				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	70-130				
Cyclohexane	10.5		"	10.0		105	70-130				
Dibromochloromethane	10.7		"	10.0		107	70-130				
Dichlorodifluoromethane	10.4		"	10.0		104	70-130				
Ethyl acetate	11.0		"	10.0		110	70-130				
Ethyl Benzene	10.3		"	10.0		103	70-130				
Hexachlorobutadiene	11.0		"	10.0		110	70-130				
Isopropanol	9.75		"	10.0		97.5	70-130				
Methyl Methacrylate	10.0		"	10.0		100	70-130				
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	70-130				
Methylene chloride	10.1		"	10.0		101	70-130				
n-Heptane	9.98		"	10.0		99.8	70-130				
n-Hexane	10.7		"	10.0		107	70-130				
o-Xylene	10.3		"	10.0		103	70-130				
p- & m- Xylenes	21.0		"	20.0		105	70-130				
p-Ethyltoluene	11.1		"	10.0		111	70-130				
Propylene	8.41		"	10.0		84.1	70-130				
Styrene	10.5		"	10.0		105	70-130				
Tetrachloroethylene	10.2		"	10.0		102	70-130				
Tetrahydrofuran	9.94		"	10.0		99.4	70-130				
Toluene	10.1		"	10.0		101	70-130				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	70-130				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	70-130				
Trichloroethylene	11.1		"	10.0		111	70-130				
Trichlorofluoromethane (Freon 11)	11.5		"	10.0		115	70-130				
Vinyl acetate	10.1		"	10.0		101	70-130				
Vinyl bromide	11.6		"	10.0		116	70-130				
Vinyl Chloride	8.95		"	10.0		89.5	70-130				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	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 BD91574 - EPA TO15 PREP											
Duplicate (BD91574-DUP1)	*Source sample: 19D1208-02 (WQ041619: 1305 NP4-3)						Prepared & Analyzed: 04/29/2019				
1,1,1,2-Tetrachloroethane	ND	0.98	ug/m ³		ND					25	
1,1,1-Trichloroethane	0.86	0.78	"		0.94				8.70	25	
1,1,2,2-Tetrachloroethane	ND	0.98	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.1	"		ND					25	
1,1,2-Trichloroethane	ND	0.78	"		ND					25	
1,1-Dichloroethane	ND	0.58	"		ND					25	
1,1-Dichloroethylene	ND	0.14	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.1	"		ND					25	
1,2,4-Trimethylbenzene	3.2	0.70	"		3.4				4.26	25	
1,2-Dibromoethane	ND	1.1	"		ND					25	
1,2-Dichlorobenzene	ND	0.86	"		ND					25	
1,2-Dichloroethane	ND	0.58	"		ND					25	
1,2-Dichloropropane	ND	0.66	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.0	"		ND					25	
1,3,5-Trimethylbenzene	0.77	0.70	"		0.98				24.0	25	
1,3-Butadiene	ND	0.95	"		ND					25	
1,3-Dichlorobenzene	ND	0.86	"		ND					25	
1,3-Dichloropropane	ND	0.66	"		ND					25	
1,4-Dichlorobenzene	ND	0.86	"		ND					25	
1,4-Dioxane	ND	1.0	"		ND					25	
2-Butanone	ND	0.42	"		ND					25	
2-Hexanone	ND	1.2	"		ND					25	
3-Chloropropene	ND	2.2	"		ND					25	
4-Methyl-2-pentanone	ND	0.59	"		ND					25	
Acetone	7.9	0.68	"		8.2				3.39	25	
Acrylonitrile	ND	0.31	"		ND					25	
Benzene	2.2	0.46	"		2.3				2.02	25	
Benzyl chloride	ND	0.74	"		ND					25	
Bromodichloromethane	ND	0.96	"		ND					25	
Bromoform	ND	1.5	"		ND					25	
Bromomethane	ND	0.56	"		ND					25	
Carbon disulfide	ND	0.45	"		ND					25	
Carbon tetrachloride	ND	0.23	"		ND					25	
Chlorobenzene	ND	0.66	"		ND					25	
Chloroethane	ND	0.38	"		ND					25	
Chloroform	1.0	0.70	"		1.1				6.45	25	
Chloromethane	0.92	0.30	"		1.0				9.23	25	
cis-1,2-Dichloroethylene	3.0	0.14	"		3.0				1.90	25	
cis-1,3-Dichloropropylene	ND	0.65	"		ND					25	
Cyclohexane	2.4	0.49	"		2.3				6.32	25	
Dibromochloromethane	ND	1.2	"		ND					25	
Dichlorodifluoromethane	2.2	0.71	"		2.4				9.23	25	
Ethyl acetate	ND	1.0	"		ND					25	
Ethyl Benzene	3.4	0.62	"		3.5				3.57	25	
Hexachlorobutadiene	ND	1.5	"		ND					25	
Isopropanol	1.1	0.70	"		1.1				0.00	25	
Methyl Methacrylate	ND	0.59	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.52	"		ND					25	
Methylene chloride	4.5	0.99	"		4.5				0.00	25	
n-Heptane	7.0	0.59	"		7.3				4.12	25	



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

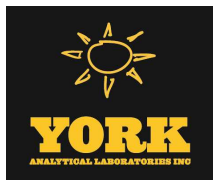
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD91574 - EPA TO15 PREP

Duplicate (BD91574-DUP1)		*Source sample: 19D1208-02 (WQ041619: 1305 NP4-3)					Prepared & Analyzed: 04/29/2019				
n-Hexane	8.4	0.50	ug/m ³		8.6				2.38	25	
o-Xylene	4.6	0.62	"		4.7				2.67	25	
p- & m- Xylenes	12	1.2	"		12				3.67	25	
p-Ethyltoluene	2.9	0.70	"		3.0				2.41	25	
Propylene	ND	0.25	"		ND					25	
Styrene	ND	0.61	"		ND					25	
Tetrachloroethylene	3.6	0.24	"		3.1				14.5	25	
Tetrahydrofuran	ND	0.84	"		ND					25	
Toluene	21	0.54	"		21				2.32	25	
trans-1,2-Dichloroethylene	ND	0.57	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.65	"		ND					25	
Trichloroethylene	ND	0.19	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.6	0.80	"		1.6				0.00	25	
Vinyl acetate	ND	0.50	"		ND					25	
Vinyl bromide	ND	0.63	"		ND					25	
Vinyl Chloride	ND	0.091	"		ND					25	
Surrogate: SURR: p-Bromofluorobenzene	10.2		ppbv	10.0		102	70-130				





Sample and Data Qualifiers Relating to This Work Order

TO-VAC	The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.
TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
TO-LCS-H	The result reported for this compound may be biased high due to its behavior in the analysis batch LCS where it recovered greater than 130% of the expected value.

Definitions and Other Explanations

*	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.

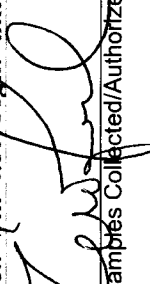
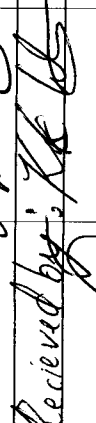


Field Chain-of-Custody Record - AIR

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. Your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

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York Project No. 19D 1208

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type/Deliverables	
Company: WSP USA Address: 4 Research Dr. Ste 204 Skelton CT 06484 Phone No. 203-729-8555 Contact Person: Tunde Sand E-Mail Address: Tunde.Sandarewsp.com		Company: Same Address: Phone No. Attention: E-Mail Address:		Company: Same Address: Phone No. Attention: E-Mail Address:		31401451.000 task 01 Purchase Order No.		RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day ☐ Standard (5-7 Days) ☒		Summary Report ☒ Summary w/ QA Summary ☒ CT RCP Package ☐ NY ASP A Package ☐ NY ASP B/CLP Pkg ☒ NIJDEP Reduced ☐ Electronic Deliverables: ☐ EDD (Specify Type) ☒ Standard Excel ☒ 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		TO-15 Volatiles and Other Gas Analyses EPA TO-15 List Tentatively Identified Compounds NYSDEC VI list NYSDEC STARS List Air VPH Project Specific List by TO-15 Helium NIJDEP Target List Methane CTDEP RCP Target List OTHER		Detection Limits Required ≤ 1 ug/m ³ NYSDEC VI Limits (VI - vapor intrusion) NIJDEP 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				
W0041619: 1300 NP4-1	4-16-19	AE	-30	-5.0	EPA TO-15 List		6 Liter Summa canister Tedlar Bag				
W02041619: 1305 NP4-3	↓	AE	-30	-5.0	EPA TO-15 List		6 Liter Summa canister Tedlar Bag				
					Red by  4/25/19 1025		6 Liter Summa canister Tedlar Bag				
					Received by:  4-25-19 19:09		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									4-17-19 800		
									Date/Time		
									WSP Field		
									Samples Received By		
									4-25-19 215		
									Date/Time		
									Samples Received in LAB by		
									Date/Time		