

# Advanced Cleanup Technologies, Inc.

ENVIRONMENTAL CONSULTANTS

December 18, 2020

Sondra Martinkat  
NYSDEC Division of Environmental Remediation  
47-40 21st Street  
Long Island City, NY 11101

Re: Supplemental Remedial Investigation Work  
Plan(SRIWP)  
Main Street Kew Gardens Site (C241205)

Dear Sondra,

Please accept the below as a Supplemental Investigation Remedial Investigation Work Plan (SIRIWP) for the installation of SB-18 immediately adjacent to SB-1, and the installation of monitoring well MW-5. All sampling, analytical and reporting protocols will follow the Quality Assurance Project Plan contained in Appendix G of the approved RIWP.

The Community Air Monitor Plan (CAMP) contained in Appendix F of the approved RIWP will be followed with the following additions:

- a. When work areas are within 20 feet of potentially exposed populations or occupied structures, the continuous monitoring locations for VOCs and particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor/dust barriers, temporary negative pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and to control dust and odors. Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

- b. If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 ppm, monitoring should occur within the occupied structure(s). Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient sensitivity may be necessary for comparing the exposure point concentrations with appropriate pre-determined response levels (response actions should also be pre-determined). Background readings in the occupied spaces must be taken prior to commencement of the planned work. Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.
- c. If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m<sup>3</sup>, work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 mcg/m<sup>3</sup> or less at the monitoring point.

CAMP reports will be submitted to NYSDEC and NYSDOH for review on a weekly basis. Data will be provided to NYSDEC and NYSDOH via email as soon as possible the same day if an exceedance occurs including a description of the exceedance, the cause of the exceedance, and corrective actions taken, if any. If the exceedance occurs after regular business hours, the Agencies will be notified as soon as possible the next business day. All data from the CAMP will be included in the resultant sampling report.

## **1. Preconstruction**

- 1.1 Sampling events conducted beneath the Queens Bakery have identified an area of highly contaminated unsaturated soil with tetrachloroethylene (PCE) concentrations above Restricted Commercial Use Soil Cleanup Objectives.
- 1.2 A previous sampling event on November 23, 2019 at the location of SB-1 shown in Appendix A identified PCE at 4,000 mg/kg at 0-2 feet below the basement floor and 95mg/kg 14-16 feet below the basement floor (24-26 feet below street level). The laboratory report for the November 23, 2019 soil sampling event is attached in Appendix B.
- 1.3 A perched water layer was identified under a portion of the property that extends below SB-5.

## **2. Soil Boring Installation**

- 2.1 SB-18 will be continuously screened utilizing a ppbRAE Photoionization Detector (PID) from just below the concrete floor at 2 foot intervals until either trace PID readings, the water table or refusal is encountered. The soil boring will then be terminated.

2.2 At a minimum, the following soil samples will be collected from SB-18:

- One sample from surficial soils or soils immediately below the pavement
- One sample from the zone of highest observed contamination (visual/olfactory/PID);
- One sample from the first apparent clean zone;
- One sample from the water table surface if encountered, and
- One sample from the terminus of the boring if the water table is not encountered.

2.3 Soil samples will be containerized and transported to York Laboratories for certified laboratory analysis. All soil samples will be analyzed for:

- Volatile Organic Compounds by EPA Method 8260;
- Pesticides/PCBs by EPA Method 8081/8082;
- Target Analyte List metals and cyanide by EPA Method 6010/7473;
- 1,4-Dioxane by EPA Method 8270 in “selective ion monitoring” (SIM) mode;
- PFAS by EPA Method 537.

### **3. SVE Well Installation**

- 3.1 Rather than backfilling the borehole and requiring potential worker re-exposure during drilling of a second borehole for an SVE well, the borehole will be preserved in the following manner.
- 3.2 A 2-inch diameter schedule 40 PVC well screen will be placed into the open borehole and extended to the terminus of the soil boring. A section of 2-inch diameter solid schedule 40 PVC riser pipe will be installed from the top of the well screen to the bottom of the existing concrete floor. The well will be screened from the terminus of the boring to 2' below the top of the existing concrete floor.
- 3.3 The annulus will be backfilled with FILPRO sand followed by 6 inches of bentonite grout to the bottom of the existing concrete slab. An air-tight 8" diameter well cover will be installed on top of the riser pipe and cemented flush with the concrete basement floor.

#### 4. Monitoring Well Installation

4.1 Monitoring well MW-5 was installed in the basement of the hardware store at the location of soil boring SB-5. The monitoring well was constructed with 1" PVC riser pipe and screened from 4 to 14' bgs.

4.2 A groundwater sample will be collected from MW-5 following purging as per the RIWP, containerized and transported to York Laboratories for certified laboratory analysis. The groundwater sample will be analyzed for:

- Volatile Organic Compounds by EPA Method 8260;
- Semi-volatile organic compounds by EPA Method 8270;
- Pesticides/PCBs by EPA Method 8081/8082;
- Target Analyte List metals and cyanide by EPA Method 6010/7473;
- Perfluorinated compounds (PFC's) by EPA Method 537, Rev. 1.1;
- 1,4-Dioxane by EPA Method 8270 in "selective ion monitoring" (SIM) mode;
- Both unfiltered (total) and filtered (dissolved) metals;
- Chemical parameters for ISCO alternative (ie. ORP, DO, NO<sub>3</sub>, Mn<sup>+2</sup>, Fe<sup>+2</sup>, SO<sub>4</sub>);
- Physical and chemical parameters for MNA remedial alternative.

Please note that every effort will be made to reach a clean endpoint soil sample at the base of SB-18 using the most powerful portable equipment currently available for confined spaces such as the bakery basement. In the event an endpoint soil sample below protection of groundwater soil cleanup objectives cannot be obtained prior to refusal, additional options will be explored to determine the extent of soil contamination beneath the site.

Feel free to contact me if you have any questions or comments concerning the above.

Very truly yours,


A handwritten signature in black ink, appearing to read 'P. P. Stewart', written in a cursive style.

Paul P. Stewart, MS, QEP

cc: Jane H. O'Connell, (NYSDEC)  
Paul Boyce, P.E. (PWGC)

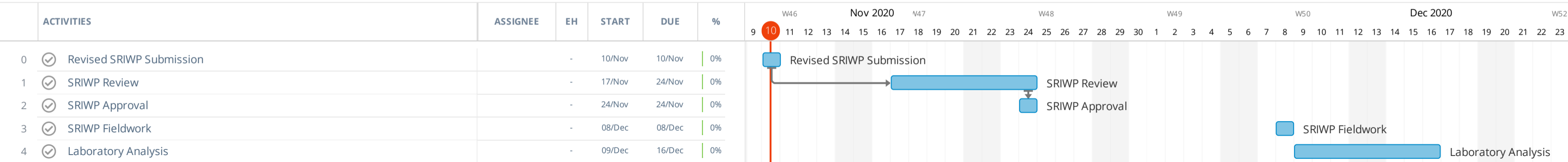
# CERTIFICATION

I, Paul P. Stewart, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 110-12 101<sup>st</sup> Avenue Site, (21TMP0163Q, 21EIAN054Q). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

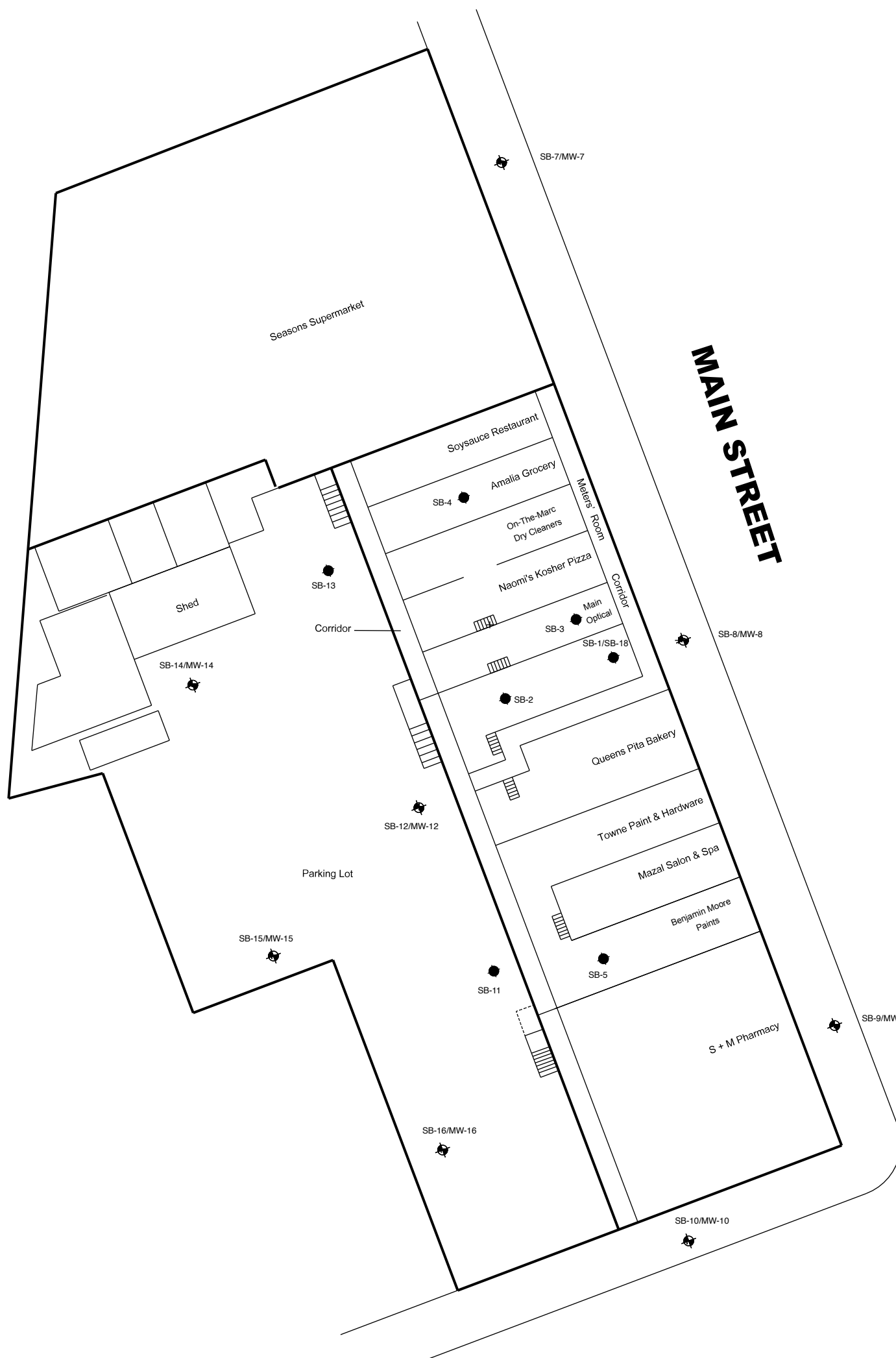
<u>Paul P. Stewart</u>	<u>12/15/20</u>	<u></u>
Qualified Environmental Professional	Date	Signature

# 9233-KGNY 68 - 16 to 68 - 48 Main Stre...

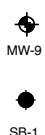
Read-only view, generated on 10 Nov 2020



# Appendix A: Sampling Diagram



Legend



Groundwater Monitoring Well  
Soil Boring Location

**Soil and Groundwater Sampling Locations**

*Advanced Cleanup Technologies, Inc.*  
ENVIRONMENTAL CONSULTANTS

110 Main Street, Suite 103, Port Washington, New York 11050  
Tel: 516-441-5800 Fax: 516-441-5511

Project No.: 9233-KGNY

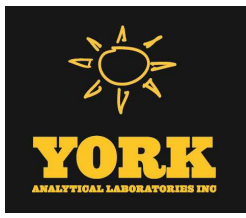
Figure No.: 2

Date: 08/19/2020

Scale: Not To Scale



# Appendix B: Laboratory Reports



# Technical Report

prepared for:

**Advanced Cleanup Technologies, Inc.**  
110 Main Street  
Port Washington NY, 11050  
**Attention: Paul Stewart**

Report Date: 12/05/2019  
**Client Project ID: 9233 - KGNV**  
York Project (SDG) No.: 19K1085

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  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371



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

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 12/05/2019  
Client Project ID: 9233 - KGNV  
York Project (SDG) No.: 19K1085

**Advanced Cleanup Technologies, Inc.**  
110 Main Street  
Port Washington NY, 11050  
Attention: Paul Stewart

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 26, 2019 and listed below. The project was identified as your project: **9233 - KGNV**.

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>
19K1085-01	SB-1 (0-2)	Soil	11/23/2019	11/26/2019
19K1085-02	SB-1 (2-4)	Soil	11/23/2019	11/26/2019
19K1085-03	SB-1 (8-10)	Soil	11/23/2019	11/26/2019
19K1085-04	SB-1 (14-16)	Soil	11/23/2019	11/26/2019
19K1085-05	SB-2 (0-2)	Soil	11/23/2019	11/26/2019
19K1085-06	SB-2 (6-8)	Soil	11/23/2019	11/26/2019
19K1085-07	SB-2 (10-12)	Soil	11/23/2019	11/26/2019
19K1085-08	SB-2 (13-15)	Soil	11/23/2019	11/26/2019
19K1085-09	Equipment Blank	Water	11/23/2019	11/26/2019
19K1085-10	Trip Blank	Water	11/23/2019	11/26/2019

## **General Notes for York Project (SDG) No.: 19K1085**

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:** 12/05/2019





### Sample Information

**Client Sample ID:** SB-1 (0-2)

**York Sample ID:** 19K1085-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
19K1085	9233 - KGNV	Soil	November 23, 2019 4:10 pm	11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

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/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>960</b>	J	ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
123-91-1	1,4-Dioxane	ND		ug/kg dry	10000	21000	250	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
78-93-3	2-Butanone	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
591-78-6	2-Hexanone	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS



### Sample Information

**Client Sample ID:** SB-1 (0-2)

**York Sample ID:** 19K1085-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K1085

9233 - KGNY

Soil

November 23, 2019 4:10 pm

11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
67-64-1	Acetone	ND		ug/kg dry	1000	2100	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
107-02-8	Acrolein	ND		ug/kg dry	1000	2100	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
107-13-1	Acrylonitrile	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
71-43-2	Benzene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
74-97-5	Bromochloromethane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
75-27-4	Bromodichloromethane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
75-25-2	Bromoform	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
74-83-9	Bromomethane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
75-15-0	Carbon disulfide	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
108-90-7	Chlorobenzene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
75-00-3	Chloroethane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
67-66-3	Chloroform	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
74-87-3	Chloromethane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
110-82-7	Cyclohexane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
124-48-1	Dibromochloromethane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
74-95-3	Dibromomethane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
100-41-4	Ethyl Benzene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS



### Sample Information

**Client Sample ID:** SB-1 (0-2)

**York Sample ID:** 19K1085-01

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 4:10 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
79-20-9	Methyl acetate	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
108-87-2	Methylcyclohexane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
75-09-2	Methylene chloride	ND		ug/kg dry	1000	2100	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
104-51-8	<b>n-Butylbenzene</b>	<b>2300</b>		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
103-65-1	n-Propylbenzene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
95-47-6	o-Xylene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/03/2019 07:30	12/03/2019 17:07	RDS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	1000	2100	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/03/2019 07:30	12/03/2019 17:07	RDS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
100-42-5	Styrene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	510	5100	250	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
127-18-4	<b>Tetrachloroethylene</b>	<b>4000000</b>		ug/kg dry	41000	82000	20000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/04/2019 07:30	12/04/2019 16:55	RDS
108-88-3	Toluene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
79-01-6	<b>Trichloroethylene</b>	<b>20000</b>		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
75-01-4	Vinyl Chloride	ND		ug/kg dry	510	1000	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
1330-20-7	Xylenes, Total	ND		ug/kg dry	1500	3100	250	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 17:07	RDS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.3 %	77-125								



### Sample Information

**Client Sample ID:** SB-1 (0-2)

**York Sample ID:** 19K1085-01

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 4:10 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURRE: Toluene-d8	100 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	98.7 %			76-130						

**Total 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
solids	* % Solids	86.0		%	0.100	1	SM 2540G Certifications: CTDOH	12/04/2019 11:32	12/04/2019 14:49	JAG

### Sample Information

**Client Sample ID:** SB-1 (2-4)

**York Sample ID:** 19K1085-02

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 4:15 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

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/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS





### Sample Information

**Client Sample ID:** SB-1 (2-4)

**York Sample ID:** 19K1085-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K1085

9233 - KGNY

Soil

November 23, 2019 4:15 pm

11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>31</b>		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>6.8</b>		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	45	91	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
78-93-3	<b>2-Butanone</b>	<b>4.5</b>		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
67-64-1	<b>Acetone</b>	<b>39</b>		ug/kg dry	4.5	9.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
107-02-8	Acrolein	ND		ug/kg dry	4.5	9.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
75-15-0	<b>Carbon disulfide</b>	<b>3.9</b>	J, B	ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS



### Sample Information

**Client Sample ID:** SB-1 (2-4)

**York Sample ID:** 19K1085-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K1085

9233 - KGNU

Soil

November 23, 2019 4:15 pm

11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>16</b>		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.5	9.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
104-51-8	<b>n-Butylbenzene</b>	<b>32</b>		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/02/2019 07:30	12/02/2019 16:25	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.5	9.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/02/2019 07:30	12/02/2019 16:25	SS
99-87-6	<b>p-Isopropyltoluene</b>	<b>6.5</b>		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
135-98-8	<b>sec-Butylbenzene</b>	<b>4.0</b>	J	ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS



### Sample Information

**Client Sample ID:** SB-1 (2-4)

**York Sample ID:** 19K1085-02

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 4:15 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
75-65-0	tert-Butyl alcohol (TBA)	85		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
127-18-4	Tetrachloroethylene	56000		ug/kg dry	2400	4700	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/04/2019 07:30	12/04/2019 12:54	RDS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
79-01-6	Trichloroethylene	1400		ug/kg dry	240	470	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:01	RDS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.8	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/02/2019 07:30	12/02/2019 16:25	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	102 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	95.0 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	95.5 %	76-130								

**Total 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
solids	* % Solids	82.8		%	0.100	1	SM 2540G Certifications: CTDOH	12/04/2019 11:32	12/04/2019 14:49	JAG

### Sample Information

**Client Sample ID:** SB-1 (8-10)

**York Sample ID:** 19K1085-03

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 4:40 pm	<u>Date Received</u> 11/26/2019
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### Sample Information

**Client Sample ID:** SB-1 (8-10)

**York Sample ID:** 19K1085-03

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 4:40 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

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/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>530</b>		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
123-91-1	1,4-Dioxane	ND		ug/kg dry	4000	8100	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
78-93-3	2-Butanone	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
591-78-6	2-Hexanone	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS



### Sample Information

**Client Sample ID:** SB-1 (8-10)

**York Sample ID:** 19K1085-03

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 4:40 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/kg dry	400	810	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
107-02-8	Acrolein	ND		ug/kg dry	400	810	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
107-13-1	Acrylonitrile	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
71-43-2	Benzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
74-97-5	Bromochloromethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
75-27-4	Bromodichloromethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
75-25-2	Bromoform	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
74-83-9	Bromomethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
75-15-0	Carbon disulfide	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
108-90-7	Chlorobenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
75-00-3	Chloroethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
67-66-3	Chloroform	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
74-87-3	Chloromethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>560</b>		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
110-82-7	Cyclohexane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
124-48-1	Dibromochloromethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
74-95-3	Dibromomethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
100-41-4	Ethyl Benzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
98-82-8	Isopropylbenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS



### Sample Information

**Client Sample ID:** SB-1 (8-10)

**York Sample ID:** 19K1085-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K1085

9233 - KGNU

Soil

November 23, 2019 4:40 pm

11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
108-87-2	Methylcyclohexane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
75-09-2	Methylene chloride	ND		ug/kg dry	400	810	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
104-51-8	<b>n-Butylbenzene</b>	<b>1200</b>		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
103-65-1	n-Propylbenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
95-47-6	o-Xylene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/03/2019 07:30	12/03/2019 18:27	RDS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	400	810	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/03/2019 07:30	12/03/2019 18:27	RDS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
100-42-5	Styrene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	200	2000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
127-18-4	<b>Tetrachloroethylene</b>	<b>550000</b>		ug/kg dry	10000	20000	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/04/2019 07:30	12/04/2019 13:21	RDS
108-88-3	Toluene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
79-01-6	<b>Trichloroethylene</b>	<b>5600</b>		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
75-01-4	Vinyl Chloride	ND		ug/kg dry	200	400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
1330-20-7	Xylenes, Total	ND		ug/kg dry	610	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 18:27	RDS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	97.2 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	99.6 %	85-120								



### Sample Information

**Client Sample ID:** SB-1 (8-10)

**York Sample ID:** 19K1085-03

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 4:40 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			76-130						

**Total 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
solids	* % Solids	90.4		%	0.100	1	SM 2540G Certifications: CTDOH	12/04/2019 11:35	12/04/2019 16:06	JAG

### Sample Information

**Client Sample ID:** SB-1 (14-16)

**York Sample ID:** 19K1085-04

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 4:55 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

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/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS



### Sample Information

**Client Sample ID:** SB-1 (14-16)

**York Sample ID:** 19K1085-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K1085

9233 - KGNY

Soil

November 23, 2019 4:55 pm

11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
123-91-1	1,4-Dioxane	ND		ug/kg dry	4100	8100	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
78-93-3	2-Butanone	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
591-78-6	2-Hexanone	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
67-64-1	Acetone	ND		ug/kg dry	410	810	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
107-02-8	Acrolein	ND		ug/kg dry	410	810	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
107-13-1	Acrylonitrile	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
71-43-2	Benzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
74-97-5	Bromochloromethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
75-27-4	Bromodichloromethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
75-25-2	Bromoform	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
74-83-9	Bromomethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
75-15-0	Carbon disulfide	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
108-90-7	Chlorobenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS





### Sample Information

**Client Sample ID:** SB-1 (14-16)

**York Sample ID:** 19K1085-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K1085

9233 - KGNV

Soil

November 23, 2019 4:55 pm

11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
67-66-3	Chloroform	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
74-87-3	Chloromethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>530</b>		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
110-82-7	Cyclohexane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
124-48-1	Dibromochloromethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
74-95-3	Dibromomethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
100-41-4	Ethyl Benzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
98-82-8	Isopropylbenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
79-20-9	Methyl acetate	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
108-87-2	Methylcyclohexane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
75-09-2	Methylene chloride	ND		ug/kg dry	410	810	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
104-51-8	<b>n-Butylbenzene</b>	<b>260</b>	J	ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
103-65-1	n-Propylbenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
95-47-6	o-Xylene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/03/2019 07:30	12/03/2019 19:21	RDS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	410	810	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/03/2019 07:30	12/03/2019 19:21	RDS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
100-42-5	Styrene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS



### Sample Information

**Client Sample ID:** SB-1 (14-16)

**York Sample ID:** 19K1085-04

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 4:55 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	200	2000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
127-18-4	<b>Tetrachloroethylene</b>	<b>95000</b>		ug/kg dry	2000	4100	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/04/2019 07:30	12/04/2019 13:48	RDS
108-88-3	Toluene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
79-01-6	<b>Trichloroethylene</b>	<b>1100</b>		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
75-01-4	Vinyl Chloride	ND		ug/kg dry	200	410	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
1330-20-7	Xylenes, Total	ND		ug/kg dry	610	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 19:21	RDS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	96.2 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	96.8 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	98.2 %	76-130								

**Total 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
solids	* % Solids	79.9		%	0.100	1	SM 2540G Certifications: CTDOH	12/05/2019 11:02	12/05/2019 16:00	JAG

### Sample Information

**Client Sample ID:** SB-2 (0-2)

**York Sample ID:** 19K1085-05

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 3:20 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**



### Sample Information

**Client Sample ID:** SB-2 (0-2)

**York Sample ID:** 19K1085-05

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNU	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 3:20 pm	<u>Date Received</u> 11/26/2019
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Sample Prepared by Method: EPA 5035A

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/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
123-91-1	1,4-Dioxane	ND		ug/kg dry	33	65	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
78-93-3	2-Butanone	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
591-78-6	2-Hexanone	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
67-64-1	Acetone	5.0	J	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS



### Sample Information

**Client Sample ID:** SB-2 (0-2)

**York Sample ID:** 19K1085-05

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 3:20 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
107-13-1	Acrylonitrile	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
71-43-2	Benzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
74-97-5	Bromochloromethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
75-25-2	Bromoform	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
74-83-9	Bromomethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
75-15-0	Carbon disulfide	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
75-00-3	Chloroethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
67-66-3	Chloroform	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
74-87-3	Chloromethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
110-82-7	Cyclohexane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
74-95-3	Dibromomethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
79-20-9	Methyl acetate	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS



### Sample Information

**Client Sample ID:** SB-2 (0-2)

**York Sample ID:** 19K1085-05

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 3:20 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

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/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
75-09-2	Methylene chloride	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
95-47-6	o-Xylene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/03/2019 07:30	12/03/2019 20:14	RDS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/03/2019 07:30	12/03/2019 20:14	RDS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
100-42-5	Styrene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.6	16	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
127-18-4	<b>Tetrachloroethylene</b>	<b>6.2</b>		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
108-88-3	Toluene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.6	3.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 20:14	RDS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	96.8 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %	76-130								



### Sample Information

**Client Sample ID:** SB-2 (0-2)

**York Sample ID:** 19K1085-05

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 3:20 pm	<u>Date Received</u> 11/26/2019
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**Total 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
solids	* % Solids	91.6		%	0.100	1	SM 2540G Certifications: CTDOH	12/05/2019 11:02	12/05/2019 16:00	JAG

### Sample Information

**Client Sample ID:** SB-2 (6-8)

**York Sample ID:** 19K1085-06

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 3:30 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

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/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS



### Sample Information

**Client Sample ID:** SB-2 (6-8)

**York Sample ID:** 19K1085-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K1085

9233 - KGNV

Soil

November 23, 2019 3:30 pm

11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
123-91-1	1,4-Dioxane	ND		ug/kg dry	30	60	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
78-93-3	2-Butanone	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
591-78-6	2-Hexanone	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
67-64-1	<b>Acetone</b>	<b>3.0</b>	<b>J</b>	ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
107-02-8	Acrolein	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
107-13-1	Acrylonitrile	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
71-43-2	Benzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
74-97-5	Bromochloromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
75-25-2	Bromoform	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
74-83-9	Bromomethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
75-15-0	Carbon disulfide	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
75-00-3	Chloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
67-66-3	Chloroform	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
74-87-3	Chloromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS



### Sample Information

**Client Sample ID:** SB-2 (6-8)

**York Sample ID:** 19K1085-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K1085

9233 - KGNY

Soil

November 23, 2019 3:30 pm

11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
110-82-7	Cyclohexane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
74-95-3	Dibromomethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
79-20-9	Methyl acetate	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
75-09-2	Methylene chloride	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
95-47-6	o-Xylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/03/2019 07:30	12/03/2019 20:41	RDS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/03/2019 07:30	12/03/2019 20:41	RDS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
100-42-5	Styrene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.5	15	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
127-18-4	<b>Tetrachloroethylene</b>	<b>3.9</b>		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS





### Sample Information

**Client Sample ID:** SB-2 (6-8)

**York Sample ID:** 19K1085-06

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 3:30 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.5	3.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 20:41	RDS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	95.8 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			76-130						

**Total 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
solids	* % Solids	86.6		%	0.100	1	SM 2540G Certifications: CTDOH	12/05/2019 11:02	12/05/2019 16:00	JAG

### Sample Information

**Client Sample ID:** SB-2 (10-12)

**York Sample ID:** 19K1085-07

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 3:35 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

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/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS



### Sample Information

**Client Sample ID:** SB-2 (10-12)

**York Sample ID:** 19K1085-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K1085

9233 - KGNV

Soil

November 23, 2019 3:35 pm

11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
78-93-3	<b>2-Butanone</b>	<b>7.6</b>		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
67-64-1	<b>Acetone</b>	<b>18</b>		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS



### Sample Information

**Client Sample ID:** SB-2 (10-12)

**York Sample ID:** 19K1085-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K1085

9233 - KGNV

Soil

November 23, 2019 3:35 pm

11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
71-43-2	Benzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
75-25-2	Bromoform	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
75-15-0	<b>Carbon disulfide</b>	<b>3.2</b>	J, B	ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
67-66-3	Chloroform	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>47</b>		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS



### Sample Information

**Client Sample ID:** SB-2 (10-12)

**York Sample ID:** 19K1085-07

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 3:35 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

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/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/02/2019 07:30	12/02/2019 18:32	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/02/2019 07:30	12/02/2019 18:32	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
100-42-5	Styrene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>140</b>		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
108-88-3	Toluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
79-01-6	<b>Trichloroethylene</b>	<b>64</b>		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.0	12	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/02/2019 07:30	12/02/2019 18:32	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	99.3 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	97.0 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	101 %	76-130								



### Sample Information

**Client Sample ID:** SB-2 (10-12)

**York Sample ID:** 19K1085-07

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 3:35 pm	<u>Date Received</u> 11/26/2019
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**Total 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
solids	* % Solids	84.4		%	0.100	1	SM 2540G Certifications: CTDOH	12/05/2019 11:02	12/05/2019 16:00	JAG

### Sample Information

**Client Sample ID:** SB-2 (13-15)

**York Sample ID:** 19K1085-08

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 3:40 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS



### Sample Information

**Client Sample ID:** SB-2 (13-15)

**York Sample ID:** 19K1085-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K1085

9233 - KGNU

Soil

November 23, 2019 3:40 pm

11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	43	87	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
78-93-3	<b>2-Butanone</b>	<b>22</b>		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
67-64-1	<b>Acetone</b>	<b>58</b>		ug/kg dry	4.3	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
107-02-8	Acrolein	ND		ug/kg dry	4.3	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
75-15-0	<b>Carbon disulfide</b>	<b>3.6</b>	J, B	ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS



### Sample Information

**Client Sample ID:** SB-2 (13-15)

**York Sample ID:** 19K1085-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K1085

9233 - KGNY

Soil

November 23, 2019 3:40 pm

11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	78		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.3	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/02/2019 07:30	12/02/2019 18:57	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.3	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/02/2019 07:30	12/02/2019 18:57	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
100-42-5	Styrene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
75-65-0	tert-Butyl alcohol (TBA)	3.4	J	ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
127-18-4	Tetrachloroethylene	2300		ug/kg dry	260	530	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 21:08	RDS



### Sample Information

**Client Sample ID:** SB-2 (13-15)

**York Sample ID:** 19K1085-08

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGN Y	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 23, 2019 3:40 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
79-01-6	<b>Trichloroethylene</b>	<b>88</b>		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.5	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/02/2019 07:30	12/02/2019 18:57	SS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	100 %	77-125
2037-26-5	Surrogate: SURRE: Toluene-d8	97.6 %	85-120
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	102 %	76-130

**Total 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
solids	* % Solids	77.1		%	0.100	1	SM 2540G Certifications: CTDOH	12/05/2019 11:02	12/05/2019 16:00	JAG

### Sample Information

**Client Sample ID:** Equipment Blank

**York Sample ID:** 19K1085-09

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGN Y	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 23, 2019 5:00 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS





### Sample Information

**Client Sample ID:** Equipment Blank

**York Sample ID:** 19K1085-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K1085

9233 - KGNV

Water

November 23, 2019 5:00 pm

11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
78-93-3	2-Butanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
67-64-1	Acetone	1.5	CCV-E, SCAL- E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS



### Sample Information

**Client Sample ID:** Equipment Blank

**York Sample ID:** 19K1085-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K1085

9233 - KGNY

Water

November 23, 2019 5:00 pm

11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**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
107-02-8	Acrolein	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS



### Sample Information

**Client Sample ID:** Equipment Blank

**York Sample ID:** 19K1085-09

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNU	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 23, 2019 5:00 pm	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
75-09-2	<b>Methylene chloride</b>	<b>1.2</b>	<b>J</b>	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/03/2019 07:30	12/03/2019 18:14	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/03/2019 07:30	12/03/2019 18:14	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 18:14	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	91.7 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	93.5 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	110 %	79-122								



### Sample Information

**Client Sample ID:** Trip Blank

**York Sample ID:** 19K1085-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K1085

9233 - KGNY

Water

November 23, 2019 12:00 am

11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
78-93-3	2-Butanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS



### Sample Information

**Client Sample ID:** Trip Blank

**York Sample ID:** 19K1085-10

<u>York Project (SDG) No.</u> 19K1085	<u>Client Project ID</u> 9233 - KGNV	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 23, 2019 12:00 am	<u>Date Received</u> 11/26/2019
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**Volatile Organics, NJDEP/TCL/Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
107-02-8	Acrolein	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
74-87-3	<b>Chloromethane</b>	<b>0.45</b>	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS



### Sample Information

**Client Sample ID:** Trip Blank

**York Sample ID:** 19K1085-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K1085

9233 - KGNY

Water

November 23, 2019 12:00 am

11/26/2019

**Volatile Organics, NJDEP/TCL/Part 375 List**

**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
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
75-09-2	<b>Methylene chloride</b>	<b>1.6</b>	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/03/2019 07:30	12/03/2019 18:44	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/03/2019 07:30	12/03/2019 18:44	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/03/2019 07:30	12/03/2019 18:44	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.9 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	92.5 %			81-117						



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19K1085-10

York Project (SDG) No. 19K1085

Client Project ID 9233 - KGNV

Matrix Water

Collection Date/Time November 23, 2019 12:00 am

Date Received 11/26/2019

Volatile Organics, NJDEP/TCL/Part 375 List

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
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	110 %			79-122						



## Analytical Batch Summary

**Batch ID:** BL90013      **Preparation Method:** EPA 5035A      **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
19K1085-02	SB-1 (2-4)	12/02/19
19K1085-07	SB-2 (10-12)	12/02/19
19K1085-08	SB-2 (13-15)	12/02/19
BL90013-BLK1	Blank	12/02/19
BL90013-BLK2	Blank	12/02/19
BL90013-BS1	LCS	12/02/19
BL90013-BSD1	LCS Dup	12/02/19

**Batch ID:** BL90107      **Preparation Method:** EPA 5035A      **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
19K1085-01	SB-1 (0-2)	12/03/19
19K1085-02RE1	SB-1 (2-4)	12/03/19
19K1085-03	SB-1 (8-10)	12/03/19
19K1085-04	SB-1 (14-16)	12/03/19
19K1085-05	SB-2 (0-2)	12/03/19
19K1085-06	SB-2 (6-8)	12/03/19
19K1085-08RE1	SB-2 (13-15)	12/03/19
BL90107-BLK1	Blank	12/03/19
BL90107-BLK2	Blank	12/03/19
BL90107-BS1	LCS	12/03/19
BL90107-BSD1	LCS Dup	12/03/19

**Batch ID:** BL90109      **Preparation Method:** EPA 5030B      **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
19K1085-09	Equipment Blank	12/03/19
19K1085-10	Trip Blank	12/03/19
BL90109-BLK1	Blank	12/03/19
BL90109-BS1	LCS	12/03/19
BL90109-BS2	LCS	12/03/19
BL90109-BSD1	LCS Dup	12/03/19
BL90109-BSD2	LCS Dup	12/03/19

**Batch ID:** BL90185      **Preparation Method:** EPA 5035A      **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
19K1085-01RE1	SB-1 (0-2)	12/04/19
19K1085-02RE2	SB-1 (2-4)	12/04/19
19K1085-03RE1	SB-1 (8-10)	12/04/19
19K1085-04RE1	SB-1 (14-16)	12/04/19
BL90185-BLK1	Blank	12/04/19
BL90185-BLK2	Blank	12/04/19
BL90185-BS1	LCS	12/04/19





BL90185-BSD1

LCS Dup

12/04/19

**Batch ID:** BL90202                      **Preparation Method:** % Solids Prep                      **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
19K1085-01	SB-1 (0-2)	12/04/19
19K1085-02	SB-1 (2-4)	12/04/19

**Batch ID:** BL90203                      **Preparation Method:** % Solids Prep                      **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
19K1085-03	SB-1 (8-10)	12/04/19
BL90203-DUP1	Duplicate	12/04/19

**Batch ID:** BL90281                      **Preparation Method:** % Solids Prep                      **Prepared By:** MSP

YORK Sample ID	Client Sample ID	Preparation Date
19K1085-04	SB-1 (14-16)	12/05/19
19K1085-05	SB-2 (0-2)	12/05/19
19K1085-06	SB-2 (6-8)	12/05/19
19K1085-07	SB-2 (10-12)	12/05/19
19K1085-08	SB-2 (13-15)	12/05/19



**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 BL90013 - EPA 5035A**

**Blank (BL90013-BLK1)**

Prepared & Analyzed: 12/02/2019

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	4.0	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								



**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 BL90013 - EPA 5035A**

**Blank (BL90013-BLK1)**

Prepared & Analyzed: 12/02/2019

Methylene chloride	ND	10	ug/kg wet								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	49.5		ug/L	50.0		99.1	77-125				
<i>Surrogate: SURRE: Toluene-d8</i>	48.9		"	50.0		97.8	85-120				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	50.8		"	50.0		102	76-130				

**Blank (BL90013-BLK2)**

Prepared & Analyzed: 12/02/2019

1,1,1,2-Tetrachloroethane	ND	500	ug/kg wet								
1,1,1-Trichloroethane	ND	500	"								
1,1,2,2-Tetrachloroethane	ND	500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	500	"								
1,1,2-Trichloroethane	ND	500	"								
1,1-Dichloroethane	ND	500	"								
1,1-Dichloroethylene	ND	500	"								
1,2,3-Trichlorobenzene	ND	500	"								
1,2,3-Trichloropropane	ND	500	"								
1,2,4-Trichlorobenzene	ND	500	"								
1,2,4-Trimethylbenzene	ND	500	"								
1,2-Dibromo-3-chloropropane	ND	500	"								
1,2-Dibromoethane	ND	500	"								
1,2-Dichlorobenzene	ND	500	"								
1,2-Dichloroethane	ND	500	"								
1,2-Dichloropropane	ND	500	"								
1,3,5-Trimethylbenzene	ND	500	"								
1,3-Dichlorobenzene	ND	500	"								
1,4-Dichlorobenzene	ND	500	"								
1,4-Dioxane	ND	10000	"								
2-Butanone	ND	500	"								
2-Hexanone	ND	500	"								
4-Methyl-2-pentanone	ND	500	"								
Acetone	ND	1000	"								
Acrolein	ND	1000	"								
Acrylonitrile	ND	500	"								
Benzene	ND	500	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BL90013 - EPA 5035A**

**Blank (BL90013-BLK2)**

Prepared & Analyzed: 12/02/2019

Bromochloromethane	ND	500	ug/kg wet								
Bromodichloromethane	ND	500	"								
Bromoform	ND	500	"								
Bromomethane	ND	500	"								
Carbon disulfide	400	500	"								
Carbon tetrachloride	ND	500	"								
Chlorobenzene	ND	500	"								
Chloroethane	ND	500	"								
Chloroform	ND	500	"								
Chloromethane	ND	500	"								
cis-1,2-Dichloroethylene	ND	500	"								
cis-1,3-Dichloropropylene	ND	500	"								
Cyclohexane	ND	500	"								
Dibromochloromethane	ND	500	"								
Dibromomethane	ND	500	"								
Dichlorodifluoromethane	ND	500	"								
Ethyl Benzene	ND	500	"								
Hexachlorobutadiene	ND	500	"								
Isopropylbenzene	ND	500	"								
Methyl acetate	ND	500	"								
Methyl tert-butyl ether (MTBE)	ND	500	"								
Methylcyclohexane	ND	500	"								
Methylene chloride	ND	1000	"								
n-Butylbenzene	ND	500	"								
n-Propylbenzene	ND	500	"								
o-Xylene	ND	500	"								
p- & m- Xylenes	ND	1000	"								
p-Isopropyltoluene	ND	500	"								
sec-Butylbenzene	ND	500	"								
Styrene	ND	500	"								
tert-Butyl alcohol (TBA)	ND	500	"								
tert-Butylbenzene	ND	500	"								
Tetrachloroethylene	ND	500	"								
Toluene	ND	500	"								
trans-1,2-Dichloroethylene	ND	500	"								
trans-1,3-Dichloropropylene	ND	500	"								
Trichloroethylene	ND	500	"								
Trichlorofluoromethane	ND	500	"								
Vinyl Chloride	ND	500	"								
Xylenes, Total	ND	1500	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>50.9</i>		<i>ug/L</i>	<i>50.0</i>		<i>102</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>48.9</i>		<i>"</i>	<i>50.0</i>		<i>97.9</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>50.5</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>76-130</i>				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit
<b>Batch BL90013 - EPA 5035A</b>										
<b>LCS (BL90013-BS1)</b>										
Prepared & Analyzed: 12/02/2019										
1,1,1,2-Tetrachloroethane	55		ug/L	50.0		110	75-129			
1,1,1-Trichloroethane	57		"	50.0		113	71-137			
1,1,2,2-Tetrachloroethane	54		"	50.0		108	79-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0		107	58-146			
1,1,2-Trichloroethane	52		"	50.0		104	83-123			
1,1-Dichloroethane	53		"	50.0		106	75-130			
1,1-Dichloroethylene	55		"	50.0		110	64-137			
1,2,3-Trichlorobenzene	50		"	50.0		100	81-140			
1,2,3-Trichloropropane	52		"	50.0		105	81-126			
1,2,4-Trichlorobenzene	50		"	50.0		100	80-141			
1,2,4-Trimethylbenzene	50		"	50.0		100	84-125			
1,2-Dibromo-3-chloropropane	49		"	50.0		97.9	74-142			
1,2-Dibromoethane	55		"	50.0		109	86-123			
1,2-Dichlorobenzene	48		"	50.0		95.9	85-122			
1,2-Dichloroethane	53		"	50.0		106	71-133			
1,2-Dichloropropane	52		"	50.0		104	81-122			
1,3,5-Trimethylbenzene	50		"	50.0		99.9	82-126			
1,3-Dichlorobenzene	48		"	50.0		95.4	84-124			
1,4-Dichlorobenzene	48		"	50.0		96.4	84-124			
1,4-Dioxane	1200		"	1050		117	10-228			
2-Butanone	56		"	50.0		112	58-147			
2-Hexanone	57		"	50.0		114	70-139			
4-Methyl-2-pentanone	57		"	50.0		114	72-132			
Acetone	47		"	50.0		94.7	36-155			
Acrolein	52		"	50.0		104	10-238			
Acrylonitrile	58		"	50.0		115	66-141			
Benzene	53		"	50.0		106	77-127			
Bromochloromethane	56		"	50.0		112	74-129			
Bromodichloromethane	59		"	50.0		117	81-124			
Bromoform	53		"	50.0		107	80-136			
Bromomethane	55		"	50.0		111	32-177			
Carbon disulfide	57		"	50.0		114	10-136			
Carbon tetrachloride	57		"	50.0		113	66-143			
Chlorobenzene	49		"	50.0		98.8	86-120			
Chloroethane	47		"	50.0		94.2	51-142			
Chloroform	54		"	50.0		107	76-131			
Chloromethane	50		"	50.0		100	49-132			
cis-1,2-Dichloroethylene	54		"	50.0		107	74-132			
cis-1,3-Dichloropropylene	57		"	50.0		115	81-129			
Cyclohexane	63		"	50.0		125	70-130			
Dibromochloromethane	53		"	50.0		106	10-200			
Dibromomethane	52		"	50.0		104	83-124			
Dichlorodifluoromethane	66		"	50.0		133	28-158			
Ethyl Benzene	52		"	50.0		103	84-125			
Hexachlorobutadiene	49		"	50.0		98.7	83-133			
Isopropylbenzene	48		"	50.0		96.5	81-127			
Methyl acetate	54		"	50.0		108	41-143			
Methyl tert-butyl ether (MTBE)	57		"	50.0		114	74-131			
Methylcyclohexane	51		"	50.0		102	70-130			
Methylene chloride	56		"	50.0		111	57-141			



**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 BL90013 - EPA 5035A**

**LCS (BL90013-BS1)**

Prepared & Analyzed: 12/02/2019

n-Butylbenzene	52		ug/L	50.0		104	80-130				
n-Propylbenzene	49		"	50.0		98.7	74-136				
o-Xylene	51		"	50.0		102	83-123				
p- & m- Xylenes	100		"	100		102	82-128				
p-Isopropyltoluene	50		"	50.0		101	85-125				
sec-Butylbenzene	52		"	50.0		104	83-125				
Styrene	52		"	50.0		103	86-126				
tert-Butyl alcohol (TBA)	310		"	250		124	70-130				
tert-Butylbenzene	42		"	50.0		84.6	80-127				
Tetrachloroethylene	47		"	50.0		93.5	80-129				
Toluene	51		"	50.0		103	85-121				
trans-1,2-Dichloroethylene	56		"	50.0		112	72-132				
trans-1,3-Dichloropropylene	53		"	50.0		105	78-132				
Trichloroethylene	52		"	50.0		104	84-123				
Trichlorofluoromethane	49		"	50.0		98.3	62-140				
Vinyl Chloride	45		"	50.0		90.1	52-130				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>50.6</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>49.1</i>		<i>"</i>	<i>50.0</i>		<i>98.3</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>51.3</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>76-130</i>				

**LCS Dup (BL90013-BS1)**

Prepared & Analyzed: 12/02/2019

1,1,1,2-Tetrachloroethane	54		ug/L	50.0		109	75-129		0.916	30	
1,1,1-Trichloroethane	56		"	50.0		113	71-137		0.195	30	
1,1,2,2-Tetrachloroethane	53		"	50.0		105	79-129		2.34	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0		107	58-146		0.0562	30	
1,1,2-Trichloroethane	52		"	50.0		104	83-123		0.885	30	
1,1-Dichloroethane	53		"	50.0		105	75-130		0.209	30	
1,1-Dichloroethylene	55		"	50.0		109	64-137		0.876	30	
1,2,3-Trichlorobenzene	50		"	50.0		99.1	81-140		1.24	30	
1,2,3-Trichloropropane	51		"	50.0		101	81-126		3.84	30	
1,2,4-Trichlorobenzene	48		"	50.0		96.6	80-141		3.86	30	
1,2,4-Trimethylbenzene	50		"	50.0		99.3	84-125		0.683	30	
1,2-Dibromo-3-chloropropane	48		"	50.0		95.6	74-142		2.34	30	
1,2-Dibromoethane	54		"	50.0		108	86-123		0.921	30	
1,2-Dichlorobenzene	47		"	50.0		94.8	85-122		1.09	30	
1,2-Dichloroethane	55		"	50.0		110	71-133		3.97	30	
1,2-Dichloropropane	52		"	50.0		104	81-122		0.115	30	
1,3,5-Trimethylbenzene	49		"	50.0		98.8	82-126		1.11	30	
1,3-Dichlorobenzene	47		"	50.0		94.7	84-124		0.779	30	
1,4-Dichlorobenzene	48		"	50.0		95.0	84-124		1.42	30	
1,4-Dioxane	1200		"	1050		118	10-228		0.165	30	
2-Butanone	56		"	50.0		111	58-147		0.840	30	
2-Hexanone	55		"	50.0		110	70-139		3.49	30	
4-Methyl-2-pentanone	56		"	50.0		113	72-132		1.18	30	
Acetone	46		"	50.0		92.5	36-155		2.41	30	
Acrolein	51		"	50.0		102	10-238		1.88	30	
Acrylonitrile	57		"	50.0		115	66-141		0.782	30	
Benzene	53		"	50.0		106	77-127		0.282	30	
Bromochloromethane	55		"	50.0		111	74-129		1.38	30	
Bromodichloromethane	58		"	50.0		116	81-124		0.822	30	



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BL90013 - EPA 5035A**

**LCS Dup (BL90013-BSD1)**

Prepared & Analyzed: 12/02/2019

Bromoform	53		ug/L	50.0	105	80-136		1.25	30
Bromomethane	51		"	50.0	102	32-177		7.81	30
Carbon disulfide	56		"	50.0	113	10-136		1.01	30
Carbon tetrachloride	57		"	50.0	113	66-143		0.176	30
Chlorobenzene	49		"	50.0	98.6	86-120		0.223	30
Chloroethane	46		"	50.0	91.7	51-142		2.78	30
Chloroform	54		"	50.0	108	76-131		0.559	30
Chloromethane	47		"	50.0	94.5	49-132		5.67	30
cis-1,2-Dichloroethylene	54		"	50.0	107	74-132		0.0745	30
cis-1,3-Dichloropropylene	57		"	50.0	113	81-129		1.38	30
Cyclohexane	62		"	50.0	124	70-130		0.609	30
Dibromochloromethane	53		"	50.0	105	10-200		0.0948	30
Dibromomethane	52		"	50.0	104	83-124		0.403	30
Dichlorodifluoromethane	65		"	50.0	131	28-158		1.50	30
Ethyl Benzene	51		"	50.0	102	84-125		0.545	30
Hexachlorobutadiene	50		"	50.0	99.1	83-133		0.364	30
Isopropylbenzene	48		"	50.0	96.2	81-127		0.311	30
Methyl acetate	53		"	50.0	106	41-143		2.37	30
Methyl tert-butyl ether (MTBE)	57		"	50.0	114	74-131		0.386	30
Methylcyclohexane	51		"	50.0	102	70-130		0.550	30
Methylene chloride	55		"	50.0	110	57-141		0.830	30
n-Butylbenzene	51		"	50.0	102	80-130		1.57	30
n-Propylbenzene	49		"	50.0	97.5	74-136		1.24	30
o-Xylene	51		"	50.0	102	83-123		0.236	30
p- & m- Xylenes	100		"	100	102	82-128		0.469	30
p-Isopropyltoluene	50		"	50.0	99.7	85-125		1.08	30
sec-Butylbenzene	52		"	50.0	104	83-125		0.0964	30
Styrene	51		"	50.0	102	86-126		0.642	30
tert-Butyl alcohol (TBA)	310		"	250	122	70-130		1.37	30
tert-Butylbenzene	42		"	50.0	84.6	80-127		0.0236	30
Tetrachloroethylene	47		"	50.0	93.3	80-129		0.214	30
Toluene	51		"	50.0	102	85-121		0.429	30
trans-1,2-Dichloroethylene	56		"	50.0	111	72-132		0.215	30
trans-1,3-Dichloropropylene	52		"	50.0	104	78-132		1.01	30
Trichloroethylene	52		"	50.0	103	84-123		0.309	30
Trichlorofluoromethane	47		"	50.0	93.2	62-140		5.35	30
Vinyl Chloride	43		"	50.0	86.0	52-130		4.70	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>50.5</i>		<i>"</i>	<i>50.0</i>	<i>101</i>	<i>77-125</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>48.9</i>		<i>"</i>	<i>50.0</i>	<i>97.7</i>	<i>85-120</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>50.9</i>		<i>"</i>	<i>50.0</i>	<i>102</i>	<i>76-130</i>			



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BL90107 - EPA 5035A**

**Blank (BL90107-BLK1)**

Prepared & Analyzed: 12/03/2019

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet
1,1,1-Trichloroethane	ND	5.0	"
1,1,2,2-Tetrachloroethane	ND	5.0	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"
1,1,2-Trichloroethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,1-Dichloroethylene	ND	5.0	"
1,2,3-Trichlorobenzene	ND	5.0	"
1,2,3-Trichloropropane	ND	5.0	"
1,2,4-Trichlorobenzene	ND	5.0	"
1,2,4-Trimethylbenzene	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
1,2-Dibromoethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
1,3,5-Trimethylbenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
1,4-Dioxane	ND	100	"
2-Butanone	ND	5.0	"
2-Hexanone	ND	5.0	"
4-Methyl-2-pentanone	ND	5.0	"
Acetone	ND	10	"
Acrolein	ND	10	"
Acrylonitrile	ND	5.0	"
Benzene	ND	5.0	"
Bromochloromethane	ND	5.0	"
Bromodichloromethane	ND	5.0	"
Bromoform	ND	5.0	"
Bromomethane	ND	5.0	"
Carbon disulfide	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	5.0	"
cis-1,2-Dichloroethylene	ND	5.0	"
cis-1,3-Dichloropropylene	ND	5.0	"
Cyclohexane	ND	5.0	"
Dibromochloromethane	ND	5.0	"
Dibromomethane	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
Ethyl Benzene	ND	5.0	"
Hexachlorobutadiene	ND	5.0	"
Isopropylbenzene	ND	5.0	"
Methyl acetate	ND	5.0	"
Methyl tert-butyl ether (MTBE)	ND	5.0	"
Methylcyclohexane	ND	5.0	"
Methylene chloride	ND	10	"





**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BL90107 - EPA 5035A**

**Blank (BL90107-BLK1)**

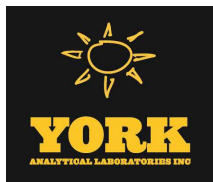
Prepared & Analyzed: 12/03/2019

n-Butylbenzene	ND	5.0	ug/kg wet								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	50.2		ug/L	50.0		100	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	48.2		"	50.0		96.5	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	50.5		"	50.0		101	76-130				

**Blank (BL90107-BLK2)**

Prepared & Analyzed: 12/03/2019

1,1,1,2-Tetrachloroethane	ND	500	ug/kg wet								
1,1,1-Trichloroethane	ND	500	"								
1,1,2,2-Tetrachloroethane	ND	500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	500	"								
1,1,2-Trichloroethane	ND	500	"								
1,1-Dichloroethane	ND	500	"								
1,1-Dichloroethylene	ND	500	"								
1,2,3-Trichlorobenzene	ND	500	"								
1,2,3-Trichloropropane	ND	500	"								
1,2,4-Trichlorobenzene	ND	500	"								
1,2,4-Trimethylbenzene	ND	500	"								
1,2-Dibromo-3-chloropropane	ND	500	"								
1,2-Dibromoethane	ND	500	"								
1,2-Dichlorobenzene	ND	500	"								
1,2-Dichloroethane	ND	500	"								
1,2-Dichloropropane	ND	500	"								
1,3,5-Trimethylbenzene	ND	500	"								
1,3-Dichlorobenzene	ND	500	"								
1,4-Dichlorobenzene	ND	500	"								
1,4-Dioxane	ND	10000	"								
2-Butanone	ND	500	"								
2-Hexanone	ND	500	"								
4-Methyl-2-pentanone	ND	500	"								
Acetone	ND	1000	"								
Acrolein	ND	1000	"								
Acrylonitrile	ND	500	"								
Benzene	ND	500	"								
Bromochloromethane	ND	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 BL90107 - EPA 5035A

Blank (BL90107-BLK2)

Prepared & Analyzed: 12/03/2019

Bromodichloromethane	ND	500	ug/kg wet								
Bromoform	ND	500	"								
Bromomethane	ND	500	"								
Carbon disulfide	ND	500	"								
Carbon tetrachloride	ND	500	"								
Chlorobenzene	ND	500	"								
Chloroethane	ND	500	"								
Chloroform	ND	500	"								
Chloromethane	ND	500	"								
cis-1,2-Dichloroethylene	ND	500	"								
cis-1,3-Dichloropropylene	ND	500	"								
Cyclohexane	ND	500	"								
Dibromochloromethane	ND	500	"								
Dibromomethane	ND	500	"								
Dichlorodifluoromethane	ND	500	"								
Ethyl Benzene	ND	500	"								
Hexachlorobutadiene	ND	500	"								
Isopropylbenzene	ND	500	"								
Methyl acetate	ND	500	"								
Methyl tert-butyl ether (MTBE)	ND	500	"								
Methylcyclohexane	ND	500	"								
Methylene chloride	ND	1000	"								
n-Butylbenzene	ND	500	"								
n-Propylbenzene	ND	500	"								
o-Xylene	ND	500	"								
p- & m- Xylenes	ND	1000	"								
p-Isopropyltoluene	ND	500	"								
sec-Butylbenzene	ND	500	"								
Styrene	ND	500	"								
tert-Butyl alcohol (TBA)	ND	500	"								
tert-Butylbenzene	ND	500	"								
Tetrachloroethylene	ND	500	"								
Toluene	ND	500	"								
trans-1,2-Dichloroethylene	ND	500	"								
trans-1,3-Dichloropropylene	ND	500	"								
Trichloroethylene	ND	500	"								
Trichlorofluoromethane	ND	500	"								
Vinyl Chloride	ND	500	"								
Xylenes, Total	ND	1500	"								

Surrogate: SURRE: 1,2-Dichloroethane-d4	50.3		ug/L	50.0		101	77-125				
Surrogate: SURRE: Toluene-d8	48.0		"	50.0		96.1	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	50.1		"	50.0		100	76-130				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BL90107 - EPA 5035A**

**LCS (BL90107-BS1)**

Prepared & Analyzed: 12/03/2019

1,1,1,2-Tetrachloroethane	49		ug/L	50.0		98.6	75-129				
1,1,1-Trichloroethane	50		"	50.0		99.7	71-137				
1,1,2,2-Tetrachloroethane	48		"	50.0		95.9	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52		"	50.0		105	58-146				
1,1,2-Trichloroethane	49		"	50.0		97.7	83-123				
1,1-Dichloroethane	50		"	50.0		100	75-130				
1,1-Dichloroethylene	51		"	50.0		102	64-137				
1,2,3-Trichlorobenzene	47		"	50.0		93.5	81-140				
1,2,3-Trichloropropane	47		"	50.0		94.5	81-126				
1,2,4-Trichlorobenzene	44		"	50.0		89.0	80-141				
1,2,4-Trimethylbenzene	49		"	50.0		97.3	84-125				
1,2-Dibromo-3-chloropropane	44		"	50.0		87.9	74-142				
1,2-Dibromoethane	50		"	50.0		100	86-123				
1,2-Dichlorobenzene	48		"	50.0		96.0	85-122				
1,2-Dichloroethane	51		"	50.0		101	71-133				
1,2-Dichloropropane	49		"	50.0		97.4	81-122				
1,3,5-Trimethylbenzene	49		"	50.0		97.4	82-126				
1,3-Dichlorobenzene	46		"	50.0		91.9	84-124				
1,4-Dichlorobenzene	47		"	50.0		93.6	84-124				
1,4-Dioxane	1200		"	1050		111	10-228				
2-Butanone	50		"	50.0		99.7	58-147				
2-Hexanone	47		"	50.0		93.4	70-139				
4-Methyl-2-pentanone	47		"	50.0		93.1	72-132				
Acetone	43		"	50.0		85.0	36-155				
Acrolein	40		"	50.0		80.6	10-238				
Acrylonitrile	51		"	50.0		103	66-141				
Benzene	52		"	50.0		103	77-127				
Bromochloromethane	49		"	50.0		97.5	74-129				
Bromodichloromethane	48		"	50.0		95.4	81-124				
Bromoform	44		"	50.0		88.0	80-136				
Bromomethane	52		"	50.0		104	32-177				
Carbon disulfide	48		"	50.0		95.3	10-136				
Carbon tetrachloride	48		"	50.0		95.2	66-143				
Chlorobenzene	49		"	50.0		98.2	86-120				
Chloroethane	49		"	50.0		98.7	51-142				
Chloroform	50		"	50.0		100	76-131				
Chloromethane	43		"	50.0		86.7	49-132				
cis-1,2-Dichloroethylene	50		"	50.0		101	74-132				
cis-1,3-Dichloropropylene	49		"	50.0		97.7	81-129				
Cyclohexane	52		"	50.0		104	70-130				
Dibromochloromethane	47		"	50.0		94.8	10-200				
Dibromomethane	50		"	50.0		99.0	83-124				
Dichlorodifluoromethane	51		"	50.0		101	28-158				
Ethyl Benzene	51		"	50.0		101	84-125				
Hexachlorobutadiene	48		"	50.0		96.9	83-133				
Isopropylbenzene	46		"	50.0		92.7	81-127				
Methyl acetate	48		"	50.0		95.7	41-143				
Methyl tert-butyl ether (MTBE)	49		"	50.0		98.7	74-131				
Methylcyclohexane	51		"	50.0		102	70-130				
Methylene chloride	48		"	50.0		95.6	57-141				



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 BL90107 - EPA 5035A

LCS (BL90107-BS1)

Prepared & Analyzed: 12/03/2019

n-Butylbenzene	52		ug/L	50.0		105	80-130				
n-Propylbenzene	47		"	50.0		93.3	74-136				
o-Xylene	50		"	50.0		101	83-123				
p- & m- Xylenes	100		"	100		100	82-128				
p-Isopropyltoluene	49		"	50.0		98.2	85-125				
sec-Butylbenzene	51		"	50.0		102	83-125				
Styrene	51		"	50.0		101	86-126				
tert-Butyl alcohol (TBA)	220		"	250		87.3	70-130				
tert-Butylbenzene	42		"	50.0		83.3	80-127				
Tetrachloroethylene	45		"	50.0		90.5	80-129				
Toluene	50		"	50.0		100	85-121				
trans-1,2-Dichloroethylene	53		"	50.0		106	72-132				
trans-1,3-Dichloropropylene	46		"	50.0		93.0	78-132				
Trichloroethylene	51		"	50.0		101	84-123				
Trichlorofluoromethane	46		"	50.0		92.7	62-140				
Vinyl Chloride	42		"	50.0		84.1	52-130				

Surrogate: SURR: 1,2-Dichloroethane-d4

49.5

"

50.0

99.0

77-125

Surrogate: SURR: Toluene-d8

48.7

"

50.0

97.4

85-120

Surrogate: SURR: p-Bromofluorobenzene

49.9

"

50.0

99.8

76-130

LCS Dup (BL90107-BSD1)

Prepared & Analyzed: 12/03/2019

1,1,1,2-Tetrachloroethane	46		ug/L	50.0		92.0	75-129		6.88	30	
1,1,1-Trichloroethane	47		"	50.0		94.5	71-137		5.34	30	
1,1,2,2-Tetrachloroethane	45		"	50.0		90.2	79-129		6.08	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49		"	50.0		98.3	58-146		6.42	30	
1,1,2-Trichloroethane	45		"	50.0		90.3	83-123		7.79	30	
1,1-Dichloroethane	48		"	50.0		95.1	75-130		5.05	30	
1,1-Dichloroethylene	48		"	50.0		96.3	64-137		5.41	30	
1,2,3-Trichlorobenzene	45		"	50.0		89.3	81-140		4.66	30	
1,2,3-Trichloropropane	45		"	50.0		89.5	81-126		5.44	30	
1,2,4-Trichlorobenzene	44		"	50.0		87.4	80-141		1.77	30	
1,2,4-Trimethylbenzene	47		"	50.0		93.2	84-125		4.26	30	
1,2-Dibromo-3-chloropropane	42		"	50.0		84.5	74-142		3.90	30	
1,2-Dibromoethane	46		"	50.0		92.6	86-123		7.87	30	
1,2-Dichlorobenzene	46		"	50.0		91.8	85-122		4.50	30	
1,2-Dichloroethane	49		"	50.0		98.2	71-133		2.91	30	
1,2-Dichloropropane	46		"	50.0		92.0	81-122		5.72	30	
1,3,5-Trimethylbenzene	47		"	50.0		93.3	82-126		4.32	30	
1,3-Dichlorobenzene	45		"	50.0		89.6	84-124		2.51	30	
1,4-Dichlorobenzene	45		"	50.0		90.2	84-124		3.72	30	
1,4-Dioxane	1100		"	1050		105	10-228		5.45	30	
2-Butanone	47		"	50.0		93.4	58-147		6.53	30	
2-Hexanone	43		"	50.0		85.5	70-139		8.86	30	
4-Methyl-2-pentanone	43		"	50.0		85.4	72-132		8.56	30	
Acetone	39		"	50.0		78.7	36-155		7.74	30	
Acrolein	38		"	50.0		76.1	10-238		5.80	30	
Acrylonitrile	47		"	50.0		93.9	66-141		8.86	30	
Benzene	48		"	50.0		97.0	77-127		6.25	30	
Bromochloromethane	46		"	50.0		91.9	74-129		5.85	30	
Bromodichloromethane	45		"	50.0		90.0	81-124		5.83	30	



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BL90107 - EPA 5035A**

**LCS Dup (BL90107-BSD1)**

Prepared & Analyzed: 12/03/2019

Bromoform	41		ug/L	50.0		81.8	80-136		7.33	30
Bromomethane	50		"	50.0		99.8	32-177		4.31	30
Carbon disulfide	45		"	50.0		90.9	10-136		4.79	30
Carbon tetrachloride	45		"	50.0		90.1	66-143		5.50	30
Chlorobenzene	47		"	50.0		93.2	86-120		5.31	30
Chloroethane	46		"	50.0		92.6	51-142		6.33	30
Chloroform	48		"	50.0		95.2	76-131		4.88	30
Chloromethane	41		"	50.0		82.2	49-132		5.33	30
cis-1,2-Dichloroethylene	47		"	50.0		94.8	74-132		6.11	30
cis-1,3-Dichloropropylene	45		"	50.0		90.7	81-129		7.39	30
Cyclohexane	49		"	50.0		98.4	70-130		5.65	30
Dibromochloromethane	45		"	50.0		89.9	10-200		5.26	30
Dibromomethane	45		"	50.0		90.2	83-124		9.36	30
Dichlorodifluoromethane	47		"	50.0		95.0	28-158		6.20	30
Ethyl Benzene	48		"	50.0		95.0	84-125		6.26	30
Hexachlorobutadiene	45		"	50.0		90.8	83-133		6.41	30
Isopropylbenzene	45		"	50.0		89.1	81-127		3.94	30
Methyl acetate	43		"	50.0		86.6	41-143		10.0	30
Methyl tert-butyl ether (MTBE)	47		"	50.0		93.1	74-131		5.82	30
Methylcyclohexane	47		"	50.0		94.7	70-130		6.97	30
Methylene chloride	45		"	50.0		89.7	57-141		6.35	30
n-Butylbenzene	46		"	50.0		93.0	80-130		12.0	30
n-Propylbenzene	45		"	50.0		89.5	74-136		4.18	30
o-Xylene	48		"	50.0		95.4	83-123		5.31	30
p- & m- Xylenes	95		"	100		94.6	82-128		5.55	30
p-Isopropyltoluene	47		"	50.0		94.6	85-125		3.80	30
sec-Butylbenzene	49		"	50.0		97.4	83-125		4.28	30
Styrene	48		"	50.0		95.4	86-126		6.14	30
tert-Butyl alcohol (TBA)	200		"	250		81.9	70-130		6.35	30
tert-Butylbenzene	40		"	50.0		79.9	80-127	Low Bias	4.17	30
Tetrachloroethylene	43		"	50.0		86.0	80-129		5.17	30
Toluene	47		"	50.0		94.1	85-121		6.00	30
trans-1,2-Dichloroethylene	51		"	50.0		102	72-132		3.60	30
trans-1,3-Dichloropropylene	44		"	50.0		87.6	78-132		5.96	30
Trichloroethylene	47		"	50.0		94.1	84-123		7.19	30
Trichlorofluoromethane	43		"	50.0		86.9	62-140		6.50	30
Vinyl Chloride	41		"	50.0		81.3	52-130		3.46	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>48.5</i>		<i>"</i>	<i>50.0</i>		<i>97.0</i>	<i>77-125</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>48.3</i>		<i>"</i>	<i>50.0</i>		<i>96.6</i>	<i>85-120</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>49.6</i>		<i>"</i>	<i>50.0</i>		<i>99.1</i>	<i>76-130</i>			



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BL90109 - EPA 5030B**

**Blank (BL90109-BLK1)**

Prepared & Analyzed: 12/03/2019

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	2.0	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	2.0	"								
Acrylonitrile	ND	2.0	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BL90109 - EPA 5030B**

**Blank (BL90109-BLK1)**

Prepared & Analyzed: 12/03/2019

n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	10	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
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Surrogate: SURRE: 1,2-Dichloroethane-d4	8.82		"	10.0		88.2	69-130				
Surrogate: SURRE: Toluene-d8	9.48		"	10.0		94.8	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	10.7		"	10.0		107	79-122				

**LCS (BL90109-BS1)**

Prepared & Analyzed: 12/03/2019

1,1,1,2-Tetrachloroethane	10		ug/L	10.0		99.7	82-126				
1,1,1-Trichloroethane	11		"	10.0		114	78-136				
1,1,2,2-Tetrachloroethane	9.3		"	10.0		92.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		116	54-165				
1,1,2-Trichloroethane	10		"	10.0		105	82-123				
1,1-Dichloroethane	10		"	10.0		99.5	82-129				
1,1-Dichloroethylene	10		"	10.0		104	68-138				
1,2,3-Trichlorobenzene	9.1		"	10.0		90.8	76-136				
1,2,3-Trichloropropane	9.2		"	10.0		92.2	77-128				
1,2,4-Trichlorobenzene	8.9		"	10.0		88.7	76-137				
1,2,4-Trimethylbenzene	9.1		"	10.0		91.1	82-132				
1,2-Dibromo-3-chloropropane	9.3		"	10.0		93.1	45-147				
1,2-Dibromoethane	10		"	10.0		99.6	83-124				
1,2-Dichlorobenzene	9.3		"	10.0		92.8	79-123				
1,2-Dichloroethane	10		"	10.0		101	73-132				
1,2-Dichloropropane	9.7		"	10.0		96.9	78-126				
1,3,5-Trimethylbenzene	9.5		"	10.0		95.0	80-131				
1,3-Dichlorobenzene	9.4		"	10.0		94.1	86-122				
1,4-Dichlorobenzene	8.9		"	10.0		88.9	85-124				
1,4-Dioxane	330		"	210		158	10-349				
2-Butanone	11		"	10.0		114	49-152				
2-Hexanone	9.4		"	10.0		93.9	51-146				
4-Methyl-2-pentanone	8.9		"	10.0		89.3	57-145				
Acetone	12		"	10.0		120	14-150				
Acrolein	8.2		"	10.0		81.8	10-153				
Acrylonitrile	11		"	10.0		110	51-150				
Benzene	11		"	10.0		109	85-126				
Bromochloromethane	9.4		"	10.0		94.0	77-128				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BL90109 - EPA 5030B**

**LCS (BL90109-BS1)**

Prepared & Analyzed: 12/03/2019

Bromodichloromethane	10		ug/L	10.0	100	79-128					
Bromoform	9.0		"	10.0	89.9	78-133					
Bromomethane	2.3		"	10.0	22.6	43-168	Low Bias				
Carbon disulfide	10		"	10.0	100	68-146					
Carbon tetrachloride	11		"	10.0	111	77-141					
Chlorobenzene	9.6		"	10.0	96.1	88-120					
Chloroethane	9.5		"	10.0	95.2	65-136					
Chloroform	11		"	10.0	111	82-128					
Chloromethane	7.6		"	10.0	75.7	43-155					
cis-1,2-Dichloroethylene	10		"	10.0	101	83-129					
cis-1,3-Dichloropropylene	9.8		"	10.0	97.5	80-131					
Cyclohexane	10		"	10.0	99.6	63-149					
Dibromochloromethane	10		"	10.0	100	80-130					
Dibromomethane	9.5		"	10.0	95.1	72-134					
Dichlorodifluoromethane	11		"	10.0	114	44-144					
Ethyl Benzene	10		"	10.0	103	80-131					
Hexachlorobutadiene	9.1		"	10.0	91.1	67-146					
Isopropylbenzene	9.3		"	10.0	92.8	76-140					
Methyl acetate	9.6		"	10.0	96.4	51-139					
Methyl tert-butyl ether (MTBE)	10		"	10.0	105	76-135					
Methylcyclohexane	11		"	10.0	105	72-143					
Methylene chloride	10		"	10.0	104	55-137					
n-Butylbenzene	8.8		"	10.0	88.2	79-132					
n-Propylbenzene	9.0		"	10.0	90.1	78-133					
o-Xylene	10		"	10.0	103	78-130					
p- & m- Xylenes	18		"	20.0	91.2	77-133					
p-Isopropyltoluene	10		"	10.0	100	81-136					
sec-Butylbenzene	10		"	10.0	100	79-137					
Styrene	10		"	10.0	102	67-132					
tert-Butyl alcohol (TBA)	59		"	50.0	118	25-162					
tert-Butylbenzene	9.2		"	10.0	92.2	77-138					
Tetrachloroethylene	9.2		"	10.0	91.9	82-131					
Toluene	10		"	10.0	100	80-127					
trans-1,2-Dichloroethylene	10		"	10.0	104	80-132					
trans-1,3-Dichloropropylene	9.2		"	10.0	92.1	78-131					
Trichloroethylene	9.7		"	10.0	96.7	82-128					
Trichlorofluoromethane	11		"	10.0	107	67-139					
Vinyl Chloride	8.8		"	10.0	87.9	58-145					
<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	8.98		"	10.0	89.8	69-130					
<i>Surrogate: Surr: Toluene-d8</i>	9.67		"	10.0	96.7	81-117					
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	10.4		"	10.0	104	79-122					





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit
<b>Batch BL90109 - EPA 5030B</b>										
<b>LCS (BL90109-BS2)</b>										
Prepared & Analyzed: 12/03/2019										
1,1,1,2-Tetrachloroethane	9.9		ug/L	10.0		99.3	82-126			
1,1,1-Trichloroethane	12		"	10.0		124	78-136			
1,1,2,2-Tetrachloroethane	8.7		"	10.0		87.1	76-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14		"	10.0		136	54-165			
1,1,2-Trichloroethane	10		"	10.0		100	82-123			
1,1-Dichloroethane	11		"	10.0		109	82-129			
1,1-Dichloroethylene	12		"	10.0		118	68-138			
1,2,3-Trichlorobenzene	8.4		"	10.0		84.4	76-136			
1,2,3-Trichloropropane	8.9		"	10.0		89.4	77-128			
1,2,4-Trichlorobenzene	8.5		"	10.0		84.6	76-137			
1,2,4-Trimethylbenzene	9.3		"	10.0		92.9	82-132			
1,2-Dibromo-3-chloropropane	8.1		"	10.0		81.4	45-147			
1,2-Dibromoethane	9.4		"	10.0		93.6	83-124			
1,2-Dichlorobenzene	9.2		"	10.0		92.2	79-123			
1,2-Dichloroethane	11		"	10.0		109	73-132			
1,2-Dichloropropane	8.9		"	10.0		89.1	78-126			
1,3,5-Trimethylbenzene	9.7		"	10.0		96.6	80-131			
1,3-Dichlorobenzene	9.5		"	10.0		94.6	86-122			
1,4-Dichlorobenzene	8.7		"	10.0		86.8	85-124			
1,4-Dioxane	260		"	210		125	10-349			
2-Butanone	12		"	10.0		123	49-152			
2-Hexanone	8.0		"	10.0		80.0	51-146			
4-Methyl-2-pentanone	8.4		"	10.0		84.3	57-145			
Acetone	10		"	10.0		102	14-150			
Acrolein	7.3		"	10.0		73.2	10-153			
Acrylonitrile	9.8		"	10.0		97.9	51-150			
Benzene	12		"	10.0		120	85-126			
Bromochloromethane	10		"	10.0		102	77-128			
Bromodichloromethane	9.3		"	10.0		93.0	79-128			
Bromoform	8.7		"	10.0		87.2	78-133			
Bromomethane	3.4		"	10.0		33.7	43-168	Low Bias		
Carbon disulfide	11		"	10.0		114	68-146			
Carbon tetrachloride	12		"	10.0		124	77-141			
Chlorobenzene	9.5		"	10.0		94.8	88-120			
Chloroethane	11		"	10.0		108	65-136			
Chloroform	12		"	10.0		120	82-128			
Chloromethane	8.1		"	10.0		81.3	43-155			
cis-1,2-Dichloroethylene	11		"	10.0		112	83-129			
cis-1,3-Dichloropropylene	9.3		"	10.0		93.4	80-131			
Cyclohexane	11		"	10.0		113	63-149			
Dibromochloromethane	9.2		"	10.0		92.0	80-130			
Dibromomethane	9.3		"	10.0		93.0	72-134			
Dichlorodifluoromethane	13		"	10.0		131	44-144			
Ethyl Benzene	10		"	10.0		101	80-131			
Hexachlorobutadiene	8.8		"	10.0		87.8	67-146			
Isopropylbenzene	9.2		"	10.0		92.2	76-140			
Methyl acetate	9.6		"	10.0		96.3	51-139			
Methyl tert-butyl ether (MTBE)	11		"	10.0		111	76-135			
Methylcyclohexane	10		"	10.0		104	72-143			
Methylene chloride	12		"	10.0		115	55-137			



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 BL90109 - EPA 5030B

LCS (BL90109-BS2)

Prepared & Analyzed: 12/03/2019

n-Butylbenzene	8.9		ug/L	10.0		88.7	79-132				
n-Propylbenzene	9.1		"	10.0		91.2	78-133				
o-Xylene	10		"	10.0		102	78-130				
p- & m- Xylenes	18		"	20.0		90.2	77-133				
p-Isopropyltoluene	10		"	10.0		103	81-136				
sec-Butylbenzene	10		"	10.0		103	79-137				
Styrene	10		"	10.0		100	67-132				
tert-Butyl alcohol (TBA)	55		"	50.0		111	25-162				
tert-Butylbenzene	9.3		"	10.0		93.4	77-138				
Tetrachloroethylene	8.8		"	10.0		88.1	82-131				
Toluene	10		"	10.0		100	80-127				
trans-1,2-Dichloroethylene	12		"	10.0		124	80-132				
trans-1,3-Dichloropropylene	9.0		"	10.0		90.0	78-131				
Trichloroethylene	9.3		"	10.0		93.4	82-128				
Trichlorofluoromethane	12		"	10.0		120	67-139				
Vinyl Chloride	9.8		"	10.0		97.7	58-145				

Surrogate: SURR: 1,2-Dichloroethane-d4

9.97

"

10.0

99.7

69-130

Surrogate: SURR: Toluene-d8

9.23

"

10.0

92.3

81-117

Surrogate: SURR: p-Bromofluorobenzene

10.3

"

10.0

103

79-122

LCS Dup (BL90109-BSD1)

Prepared & Analyzed: 12/03/2019

1,1,1,2-Tetrachloroethane	9.6		ug/L	10.0		95.6	82-126		4.20	30	
1,1,1-Trichloroethane	11		"	10.0		113	78-136		0.352	30	
1,1,2,2-Tetrachloroethane	8.6		"	10.0		85.7	76-129		7.96	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		118	54-165		1.03	30	
1,1,2-Trichloroethane	10		"	10.0		102	82-123		2.81	30	
1,1-Dichloroethane	10		"	10.0		101	82-129		1.20	30	
1,1-Dichloroethylene	11		"	10.0		107	68-138		3.03	30	
1,2,3-Trichlorobenzene	8.4		"	10.0		84.4	76-136		7.31	30	
1,2,3-Trichloropropane	9.0		"	10.0		89.5	77-128		2.97	30	
1,2,4-Trichlorobenzene	8.3		"	10.0		83.1	76-137		6.52	30	
1,2,4-Trimethylbenzene	8.9		"	10.0		88.6	82-132		2.78	30	
1,2-Dibromo-3-chloropropane	8.4		"	10.0		83.9	45-147		10.4	30	
1,2-Dibromoethane	9.9		"	10.0		98.8	83-124		0.806	30	
1,2-Dichlorobenzene	8.7		"	10.0		87.2	79-123		6.22	30	
1,2-Dichloroethane	10		"	10.0		103	73-132		2.06	30	
1,2-Dichloropropane	8.9		"	10.0		88.9	78-126		8.61	30	
1,3,5-Trimethylbenzene	9.2		"	10.0		91.6	80-131		3.64	30	
1,3-Dichlorobenzene	9.0		"	10.0		89.8	86-122		4.68	30	
1,4-Dichlorobenzene	8.4		"	10.0		84.1	85-124	Low Bias	5.55	30	
1,4-Dioxane	320		"	210		153	10-349		3.29	30	
2-Butanone	12		"	10.0		122	49-152		6.19	30	
2-Hexanone	9.1		"	10.0		91.1	51-146		3.03	30	
4-Methyl-2-pentanone	9.1		"	10.0		90.9	57-145		1.78	30	
Acetone	12		"	10.0		118	14-150		1.35	30	
Acrolein	6.5		"	10.0		64.8	10-153		23.2	30	
Acrylonitrile	10		"	10.0		105	51-150		5.29	30	
Benzene	11		"	10.0		109	85-126		0.184	30	
Bromochloromethane	10		"	10.0		101	77-128		7.57	30	
Bromodichloromethane	9.5		"	10.0		95.3	79-128		4.91	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 BL90109 - EPA 5030B**

**LCS Dup (BL90109-BSD1)**

Prepared & Analyzed: 12/03/2019

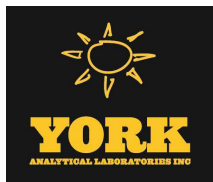
Bromoform	9.1		ug/L	10.0		90.7	78-133		0.886	30	
Bromomethane	3.0		"	10.0		29.9	43-168	Low Bias	27.8	30	
Carbon disulfide	10		"	10.0		104	68-146		3.63	30	
Carbon tetrachloride	11		"	10.0		113	77-141		1.97	30	
Chlorobenzene	9.2		"	10.0		92.3	88-120		4.03	30	
Chloroethane	10		"	10.0		99.9	65-136		4.82	30	
Chloroform	11		"	10.0		110	82-128		0.543	30	
Chloromethane	7.4		"	10.0		74.4	43-155		1.73	30	
cis-1,2-Dichloroethylene	10		"	10.0		101	83-129		0.395	30	
cis-1,3-Dichloropropylene	9.4		"	10.0		93.5	80-131		4.19	30	
Cyclohexane	10		"	10.0		102	63-149		2.67	30	
Dibromochloromethane	9.7		"	10.0		96.7	80-130		3.85	30	
Dibromomethane	9.4		"	10.0		93.8	72-134		1.38	30	
Dichlorodifluoromethane	12		"	10.0		119	44-144		4.80	30	
Ethyl Benzene	9.9		"	10.0		98.7	80-131		4.26	30	
Hexachlorobutadiene	8.3		"	10.0		82.9	67-146		9.43	30	
Isopropylbenzene	8.9		"	10.0		88.6	76-140		4.63	30	
Methyl acetate	9.8		"	10.0		97.9	51-139		1.54	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		108	76-135		3.00	30	
Methylcyclohexane	10		"	10.0		99.7	72-143		5.56	30	
Methylene chloride	10		"	10.0		103	55-137		1.16	30	
n-Butylbenzene	8.8		"	10.0		87.7	79-132		0.568	30	
n-Propylbenzene	8.6		"	10.0		86.3	78-133		4.31	30	
o-Xylene	10		"	10.0		101	78-130		2.25	30	
p- & m- Xylenes	18		"	20.0		89.4	77-133		1.94	30	
p-Isopropyltoluene	9.7		"	10.0		96.7	81-136		3.75	30	
sec-Butylbenzene	9.7		"	10.0		97.4	79-137		3.03	30	
Styrene	10		"	10.0		99.7	67-132		2.08	30	
tert-Butyl alcohol (TBA)	55		"	50.0		110	25-162		6.61	30	
tert-Butylbenzene	8.8		"	10.0		87.7	77-138		5.00	30	
Tetrachloroethylene	9.5		"	10.0		94.9	82-131		3.21	30	
Toluene	9.9		"	10.0		99.0	80-127		1.20	30	
trans-1,2-Dichloroethylene	11		"	10.0		107	80-132		2.56	30	
trans-1,3-Dichloropropylene	9.0		"	10.0		90.1	78-131		2.20	30	
Trichloroethylene	9.8		"	10.0		98.4	82-128		1.74	30	
Trichlorofluoromethane	11		"	10.0		106	67-139		0.935	30	
Vinyl Chloride	8.8		"	10.0		87.9	58-145		0.00	30	
Surrogate: SURRE: 1,2-Dichloroethane-d4	9.13		"	10.0		91.3	69-130				
Surrogate: SURRE: Toluene-d8	9.55		"	10.0		95.5	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BL90109 - EPA 5030B</b>											
<b>LCS Dup (BL90109-BSD2)</b>											
Prepared & Analyzed: 12/03/2019											
1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		95.4	82-126		4.01	30	
1,1,1-Trichloroethane	11		"	10.0		114	78-136		7.74	30	
1,1,2,2-Tetrachloroethane	8.6		"	10.0		86.4	76-129		0.807	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		120	54-165		12.2	30	
1,1,2-Trichloroethane	9.4		"	10.0		94.2	82-123		6.27	30	
1,1-Dichloroethane	10		"	10.0		100	82-129		8.13	30	
1,1-Dichloroethylene	10		"	10.0		104	68-138		12.3	30	
1,2,3-Trichlorobenzene	8.2		"	10.0		82.0	76-136		2.88	30	
1,2,3-Trichloropropane	8.3		"	10.0		82.8	77-128		7.67	30	
1,2,4-Trichlorobenzene	8.0		"	10.0		80.0	76-137		5.59	30	
1,2,4-Trimethylbenzene	8.8		"	10.0		87.5	82-132		5.99	30	
1,2-Dibromo-3-chloropropane	8.3		"	10.0		82.6	45-147		1.46	30	
1,2-Dibromoethane	9.3		"	10.0		93.3	83-124		0.321	30	
1,2-Dichlorobenzene	8.7		"	10.0		86.9	79-123		5.92	30	
1,2-Dichloroethane	9.9		"	10.0		99.4	73-132		8.94	30	
1,2-Dichloropropane	8.6		"	10.0		85.5	78-126		4.12	30	
1,3,5-Trimethylbenzene	9.0		"	10.0		90.2	80-131		6.85	30	
1,3-Dichlorobenzene	9.1		"	10.0		91.3	86-122		3.55	30	
1,4-Dichlorobenzene	8.4		"	10.0		84.4	85-124	Low Bias	2.80	30	
1,4-Dioxane	310		"	210		149	10-349		17.2	30	
2-Butanone	12		"	10.0		122	49-152		0.982	30	
2-Hexanone	8.2		"	10.0		82.2	51-146		2.71	30	
4-Methyl-2-pentanone	8.5		"	10.0		84.9	57-145		0.709	30	
Acetone	11		"	10.0		108	14-150		5.33	30	
Acrolein	7.1		"	10.0		71.1	10-153		2.91	30	
Acrylonitrile	9.7		"	10.0		97.1	51-150		0.821	30	
Benzene	11		"	10.0		108	85-126		10.7	30	
Bromochloromethane	9.6		"	10.0		96.1	77-128		5.66	30	
Bromodichloromethane	9.4		"	10.0		94.4	79-128		1.49	30	
Bromoform	8.7		"	10.0		87.3	78-133		0.115	30	
Bromomethane	2.9		"	10.0		29.2	43-168	Low Bias	14.3	30	
Carbon disulfide	10		"	10.0		104	68-146		8.80	30	
Carbon tetrachloride	11		"	10.0		111	77-141		11.6	30	
Chlorobenzene	9.1		"	10.0		90.7	88-120		4.42	30	
Chloroethane	10		"	10.0		100	65-136		7.78	30	
Chloroform	11		"	10.0		110	82-128		8.16	30	
Chloromethane	7.2		"	10.0		71.5	43-155		12.8	30	
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129		6.14	30	
cis-1,3-Dichloropropylene	9.0		"	10.0		89.6	80-131		4.15	30	
Cyclohexane	10		"	10.0		102	63-149		11.0	30	
Dibromochloromethane	9.1		"	10.0		91.2	80-130		0.873	30	
Dibromomethane	8.7		"	10.0		86.6	72-134		7.13	30	
Dichlorodifluoromethane	12		"	10.0		122	44-144		7.30	30	
Ethyl Benzene	9.8		"	10.0		97.5	80-131		3.82	30	
Hexachlorobutadiene	8.2		"	10.0		82.0	67-146		6.83	30	
Isopropylbenzene	8.6		"	10.0		86.5	76-140		6.38	30	
Methyl acetate	8.5		"	10.0		84.6	51-139		12.9	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		102	76-135		7.69	30	
Methylcyclohexane	10		"	10.0		99.5	72-143		4.81	30	
Methylene chloride	10		"	10.0		104	55-137		10.8	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 BL90109 - EPA 5030B

LCS Dup (BL90109-BSD2)

Prepared & Analyzed: 12/03/2019

n-Butylbenzene	9.0		ug/L	10.0		90.4	79-132		1.90	30	
n-Propylbenzene	8.6		"	10.0		86.1	78-133		5.75	30	
o-Xylene	9.9		"	10.0		99.1	78-130		3.08	30	
p- & m- Xylenes	17		"	20.0		87.4	77-133		3.10	30	
p-Isopropyltoluene	9.6		"	10.0		96.0	81-136		7.13	30	
sec-Butylbenzene	9.4		"	10.0		94.0	79-137		9.04	30	
Styrene	9.5		"	10.0		94.9	67-132		5.73	30	
tert-Butyl alcohol (TBA)	57		"	50.0		114	25-162		2.94	30	
tert-Butylbenzene	8.9		"	10.0		88.6	77-138		5.27	30	
Tetrachloroethylene	8.2		"	10.0		81.7	82-131	Low Bias	7.54	30	
Toluene	9.6		"	10.0		95.7	80-127		4.89	30	
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132		15.8	30	
trans-1,3-Dichloropropylene	8.7		"	10.0		87.0	78-131		3.39	30	
Trichloroethylene	9.1		"	10.0		90.7	82-128		2.93	30	
Trichlorofluoromethane	10		"	10.0		104	67-139		13.7	30	
Vinyl Chloride	8.8		"	10.0		87.9	58-145		10.6	30	

Surrogate: SURR: 1,2-Dichloroethane-d4

9.26

"

10.0

92.6

69-130

Surrogate: SURR: Toluene-d8

9.42

"

10.0

94.2

81-117

Surrogate: SURR: p-Bromofluorobenzene

10.2

"

10.0

102

79-122

Batch BL90185 - EPA 5035A

Blank (BL90185-BLK1)

Prepared & Analyzed: 12/04/2019

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BL90185 - EPA 5035A**

**Blank (BL90185-BLK1)**

Prepared & Analyzed: 12/04/2019

Bromodichloromethane	ND	5.0	ug/kg wet										
Bromoform	ND	5.0	"										
Bromomethane	ND	5.0	"										
Carbon disulfide	ND	5.0	"										
Carbon tetrachloride	ND	5.0	"										
Chlorobenzene	ND	5.0	"										
Chloroethane	ND	5.0	"										
Chloroform	ND	5.0	"										
Chloromethane	ND	5.0	"										
cis-1,2-Dichloroethylene	ND	5.0	"										
cis-1,3-Dichloropropylene	ND	5.0	"										
Cyclohexane	ND	5.0	"										
Dibromochloromethane	ND	5.0	"										
Dibromomethane	ND	5.0	"										
Dichlorodifluoromethane	ND	5.0	"										
Ethyl Benzene	ND	5.0	"										
Hexachlorobutadiene	ND	5.0	"										
Isopropylbenzene	ND	5.0	"										
Methyl acetate	ND	5.0	"										
Methyl tert-butyl ether (MTBE)	ND	5.0	"										
Methylcyclohexane	ND	5.0	"										
Methylene chloride	ND	10	"										
n-Butylbenzene	ND	5.0	"										
n-Propylbenzene	ND	5.0	"										
o-Xylene	ND	5.0	"										
p- & m- Xylenes	ND	10	"										
p-Isopropyltoluene	ND	5.0	"										
sec-Butylbenzene	ND	5.0	"										
Styrene	ND	5.0	"										
tert-Butyl alcohol (TBA)	ND	5.0	"										
tert-Butylbenzene	ND	5.0	"										
Tetrachloroethylene	ND	5.0	"										
Toluene	ND	5.0	"										
trans-1,2-Dichloroethylene	ND	5.0	"										
trans-1,3-Dichloropropylene	ND	5.0	"										
Trichloroethylene	ND	5.0	"										
Trichlorofluoromethane	ND	5.0	"										
Vinyl Chloride	ND	5.0	"										
Xylenes, Total	ND	15	"										

Surrogate: SURRE: 1,2-Dichloroethane-d4	50.2		ug/L	50.0		100	77-125
Surrogate: SURRE: Toluene-d8	48.0		"	50.0		96.1	85-120
Surrogate: SURRE: p-Bromofluorobenzene	50.9		"	50.0		102	76-130



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BL90185 - EPA 5035A**

**Blank (BL90185-BLK2)**

Prepared & Analyzed: 12/04/2019

1,1,1,2-Tetrachloroethane	ND	500	ug/kg wet
1,1,1-Trichloroethane	ND	500	"
1,1,2,2-Tetrachloroethane	ND	500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	500	"
1,1,2-Trichloroethane	ND	500	"
1,1-Dichloroethane	ND	500	"
1,1-Dichloroethylene	ND	500	"
1,2,3-Trichlorobenzene	ND	500	"
1,2,3-Trichloropropane	ND	500	"
1,2,4-Trichlorobenzene	ND	500	"
1,2,4-Trimethylbenzene	ND	500	"
1,2-Dibromo-3-chloropropane	ND	500	"
1,2-Dibromoethane	ND	500	"
1,2-Dichlorobenzene	ND	500	"
1,2-Dichloroethane	ND	500	"
1,2-Dichloropropane	ND	500	"
1,3,5-Trimethylbenzene	ND	500	"
1,3-Dichlorobenzene	ND	500	"
1,4-Dichlorobenzene	ND	500	"
1,4-Dioxane	ND	10000	"
2-Butanone	ND	500	"
2-Hexanone	ND	500	"
4-Methyl-2-pentanone	ND	500	"
Acetone	ND	1000	"
Acrolein	ND	1000	"
Acrylonitrile	ND	500	"
Benzene	ND	500	"
Bromochloromethane	ND	500	"
Bromodichloromethane	ND	500	"
Bromoform	ND	500	"
Bromomethane	ND	500	"
Carbon disulfide	ND	500	"
Carbon tetrachloride	ND	500	"
Chlorobenzene	ND	500	"
Chloroethane	ND	500	"
Chloroform	ND	500	"
Chloromethane	ND	500	"
cis-1,2-Dichloroethylene	ND	500	"
cis-1,3-Dichloropropylene	ND	500	"
Cyclohexane	ND	500	"
Dibromochloromethane	ND	500	"
Dibromomethane	ND	500	"
Dichlorodifluoromethane	ND	500	"
Ethyl Benzene	ND	500	"
Hexachlorobutadiene	ND	500	"
Isopropylbenzene	ND	500	"
Methyl acetate	ND	500	"
Methyl tert-butyl ether (MTBE)	ND	500	"
Methylcyclohexane	ND	500	"
Methylene chloride	ND	1000	"



**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 BL90185 - EPA 5035A**

**Blank (BL90185-BLK2)**

Prepared & Analyzed: 12/04/2019

n-Butylbenzene	ND	500	ug/kg wet								
n-Propylbenzene	ND	500	"								
o-Xylene	ND	500	"								
p- & m- Xylenes	ND	1000	"								
p-Isopropyltoluene	ND	500	"								
sec-Butylbenzene	ND	500	"								
Styrene	ND	500	"								
tert-Butyl alcohol (TBA)	ND	500	"								
tert-Butylbenzene	ND	500	"								
Tetrachloroethylene	ND	500	"								
Toluene	ND	500	"								
trans-1,2-Dichloroethylene	ND	500	"								
trans-1,3-Dichloropropylene	ND	500	"								
Trichloroethylene	ND	500	"								
Trichlorofluoromethane	ND	500	"								
Vinyl Chloride	ND	500	"								
Xylenes, Total	ND	1500	"								
<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	50.9		ug/L	50.0		102	77-125				
<i>Surrogate: Surr: Toluene-d8</i>	47.9		"	50.0		95.9	85-120				
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	50.4		"	50.0		101	76-130				

**LCS (BL90185-BS1)**

Prepared & Analyzed: 12/04/2019

1,1,1,2-Tetrachloroethane	47		ug/L	50.0		94.8	75-129				
1,1,1-Trichloroethane	50		"	50.0		99.6	71-137				
1,1,2,2-Tetrachloroethane	49		"	50.0		98.0	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0		107	58-146				
1,1,2-Trichloroethane	48		"	50.0		96.9	83-123				
1,1-Dichloroethane	50		"	50.0		99.1	75-130				
1,1-Dichloroethylene	52		"	50.0		104	64-137				
1,2,3-Trichlorobenzene	48		"	50.0		95.2	81-140				
1,2,3-Trichloropropane	49		"	50.0		98.1	81-126				
1,2,4-Trichlorobenzene	47		"	50.0		93.4	80-141				
1,2,4-Trimethylbenzene	49		"	50.0		98.5	84-125				
1,2-Dibromo-3-chloropropane	45		"	50.0		90.8	74-142				
1,2-Dibromoethane	50		"	50.0		100	86-123				
1,2-Dichlorobenzene	49		"	50.0		97.2	85-122				
1,2-Dichloroethane	53		"	50.0		107	71-133				
1,2-Dichloropropane	49		"	50.0		97.5	81-122				
1,3,5-Trimethylbenzene	49		"	50.0		97.9	82-126				
1,3-Dichlorobenzene	47		"	50.0		95.0	84-124				
1,4-Dichlorobenzene	48		"	50.0		96.3	84-124				
1,4-Dioxane	1100		"	1050		104	10-228				
2-Butanone	52		"	50.0		103	58-147				
2-Hexanone	47		"	50.0		94.6	70-139				
4-Methyl-2-pentanone	48		"	50.0		95.5	72-132				
Acetone	43		"	50.0		85.2	36-155				
Acrolein	42		"	50.0		84.6	10-238				
Acrylonitrile	52		"	50.0		105	66-141				
Benzene	52		"	50.0		103	77-127				
Bromochloromethane	50		"	50.0		99.5	74-129				





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BL90185 - EPA 5035A

LCS (BL90185-BS1)

Prepared & Analyzed: 12/04/2019

Bromodichloromethane	47		ug/L	50.0		94.9	81-124				
Bromoform	44		"	50.0		87.1	80-136				
Bromomethane	56		"	50.0		112	32-177				
Carbon disulfide	49		"	50.0		98.5	10-136				
Carbon tetrachloride	48		"	50.0		95.4	66-143				
Chlorobenzene	49		"	50.0		97.6	86-120				
Chloroethane	53		"	50.0		106	51-142				
Chloroform	50		"	50.0		100	76-131				
Chloromethane	49		"	50.0		97.9	49-132				
cis-1,2-Dichloroethylene	50		"	50.0		101	74-132				
cis-1,3-Dichloropropylene	48		"	50.0		97.0	81-129				
Cyclohexane	52		"	50.0		104	70-130				
Dibromochloromethane	47		"	50.0		94.1	10-200				
Dibromomethane	49		"	50.0		97.2	83-124				
Dichlorodifluoromethane	63		"	50.0		126	28-158				
Ethyl Benzene	50		"	50.0		100	84-125				
Hexachlorobutadiene	47		"	50.0		94.1	83-133				
Isopropylbenzene	47		"	50.0		93.5	81-127				
Methyl acetate	47		"	50.0		94.8	41-143				
Methyl tert-butyl ether (MTBE)	50		"	50.0		99.3	74-131				
Methylcyclohexane	50		"	50.0		99.6	70-130				
Methylene chloride	47		"	50.0		95.0	57-141				
n-Butylbenzene	47		"	50.0		93.6	80-130				
n-Propylbenzene	47		"	50.0		94.2	74-136				
o-Xylene	50		"	50.0		99.8	83-123				
p- & m- Xylenes	100		"	100		99.7	82-128				
p-Isopropyltoluene	50		"	50.0		99.3	85-125				
sec-Butylbenzene	51		"	50.0		102	83-125				
Styrene	50		"	50.0		101	86-126				
tert-Butyl alcohol (TBA)	220		"	250		87.2	70-130				
tert-Butylbenzene	42		"	50.0		83.3	80-127				
Tetrachloroethylene	45		"	50.0		90.5	80-129				
Toluene	50		"	50.0		99.6	85-121				
trans-1,2-Dichloroethylene	54		"	50.0		108	72-132				
trans-1,3-Dichloropropylene	46		"	50.0		92.9	78-132				
Trichloroethylene	50		"	50.0		99.6	84-123				
Trichlorofluoromethane	50		"	50.0		100	62-140				
Vinyl Chloride	48		"	50.0		95.5	52-130				
Surrogate: SURRE: 1,2-Dichloroethane-d4	49.8		"	50.0		99.5	77-125				
Surrogate: SURRE: Toluene-d8	48.5		"	50.0		97.0	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	50.5		"	50.0		101	76-130				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level
<b>Batch BL90185 - EPA 5035A</b>										
<b>LCS Dup (BL90185-BSD1)</b>										
Prepared & Analyzed: 12/04/2019										
1,1,1,2-Tetrachloroethane	49		ug/L	50.0	97.7	75-129			2.99	30
1,1,1-Trichloroethane	51		"	50.0	102	71-137			1.97	30
1,1,2,2-Tetrachloroethane	50		"	50.0	99.1	79-129			1.10	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0	108	58-146			0.745	30
1,1,2-Trichloroethane	49		"	50.0	98.9	83-123			1.96	30
1,1-Dichloroethane	51		"	50.0	103	75-130			3.47	30
1,1-Dichloroethylene	53		"	50.0	106	64-137			2.16	30
1,2,3-Trichlorobenzene	47		"	50.0	94.7	81-140			0.463	30
1,2,3-Trichloropropane	50		"	50.0	99.6	81-126			1.60	30
1,2,4-Trichlorobenzene	47		"	50.0	93.9	80-141			0.555	30
1,2,4-Trimethylbenzene	49		"	50.0	98.8	84-125			0.264	30
1,2-Dibromo-3-chloropropane	45		"	50.0	90.9	74-142			0.0660	30
1,2-Dibromoethane	51		"	50.0	102	86-123			1.50	30
1,2-Dichlorobenzene	49		"	50.0	97.5	85-122			0.288	30
1,2-Dichloroethane	52		"	50.0	104	71-133			2.28	30
1,2-Dichloropropane	49		"	50.0	98.7	81-122			1.16	30
1,3,5-Trimethylbenzene	49		"	50.0	98.4	82-126			0.530	30
1,3-Dichlorobenzene	47		"	50.0	94.6	84-124			0.338	30
1,4-Dichlorobenzene	48		"	50.0	96.0	84-124			0.333	30
1,4-Dioxane	1200		"	1050	110	10-228			6.13	30
2-Butanone	54		"	50.0	108	58-147			4.04	30
2-Hexanone	48		"	50.0	96.9	70-139			2.40	30
4-Methyl-2-pentanone	49		"	50.0	97.6	72-132			2.20	30
Acetone	45		"	50.0	90.1	36-155			5.62	30
Acrolein	43		"	50.0	85.9	10-238			1.55	30
Acrylonitrile	55		"	50.0	109	66-141			4.33	30
Benzene	53		"	50.0	106	77-127			2.03	30
Bromochloromethane	50		"	50.0	100	74-129			0.641	30
Bromodichloromethane	48		"	50.0	97.0	81-124			2.17	30
Bromoform	45		"	50.0	89.2	80-136			2.43	30
Bromomethane	59		"	50.0	117	32-177			4.49	30
Carbon disulfide	50		"	50.0	101	10-136			2.15	30
Carbon tetrachloride	49		"	50.0	98.8	66-143			3.48	30
Chlorobenzene	50		"	50.0	99.7	86-120			2.11	30
Chloroethane	54		"	50.0	108	51-142			2.47	30
Chloroform	51		"	50.0	103	76-131			2.78	30
Chloromethane	50		"	50.0	99.3	49-132			1.36	30
cis-1,2-Dichloroethylene	52		"	50.0	103	74-132			2.41	30
cis-1,3-Dichloropropylene	49		"	50.0	98.9	81-129			2.00	30
Cyclohexane	53		"	50.0	107	70-130			2.31	30
Dibromochloromethane	48		"	50.0	96.1	10-200			2.08	30
Dibromomethane	50		"	50.0	99.3	83-124			2.14	30
Dichlorodifluoromethane	64		"	50.0	128	28-158			1.12	30
Ethyl Benzene	51		"	50.0	102	84-125			1.64	30
Hexachlorobutadiene	47		"	50.0	94.2	83-133			0.170	30
Isopropylbenzene	47		"	50.0	94.0	81-127			0.533	30
Methyl acetate	47		"	50.0	94.7	41-143			0.127	30
Methyl tert-butyl ether (MTBE)	51		"	50.0	102	74-131			2.37	30
Methylcyclohexane	50		"	50.0	99.8	70-130			0.201	30
Methylene chloride	49		"	50.0	98.8	57-141			3.90	30



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BL90185 - EPA 5035A**

**LCS Dup (BL90185-BSD1)**

Prepared & Analyzed: 12/04/2019

n-Butylbenzene	46		ug/L	50.0		91.9	80-130			1.83	30		
n-Propylbenzene	47		"	50.0		94.3	74-136			0.170	30		
o-Xylene	51		"	50.0		102	83-123			1.98	30		
p- & m- Xylenes	100		"	100		101	82-128			1.39	30		
p-Isopropyltoluene	50		"	50.0		99.2	85-125			0.161	30		
sec-Butylbenzene	51		"	50.0		102	83-125			0.588	30		
Styrene	51		"	50.0		102	86-126			1.01	30		
tert-Butyl alcohol (TBA)	230		"	250		91.7	70-130			5.02	30		
tert-Butylbenzene	42		"	50.0		83.5	80-127			0.312	30		
Tetrachloroethylene	46		"	50.0		92.2	80-129			1.86	30		
Toluene	50		"	50.0		100	85-121			0.780	30		
trans-1,2-Dichloroethylene	55		"	50.0		111	72-132			2.12	30		
trans-1,3-Dichloropropylene	48		"	50.0		95.5	78-132			2.80	30		
Trichloroethylene	51		"	50.0		102	84-123			2.11	30		
Trichlorofluoromethane	50		"	50.0		101	62-140			0.637	30		
Vinyl Chloride	49		"	50.0		97.0	52-130			1.62	30		

*Surrogate: SURR: 1,2-Dichloroethane-d4*

50.3

"

50.0

101

77-125

*Surrogate: SURR: Toluene-d8*

48.1

"

50.0

96.3

85-120

*Surrogate: SURR: p-Bromofluorobenzene*

49.3

"

50.0

98.7

76-130



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 BL90203 - % Solids Prep**

<b>Duplicate (BL90203-DUP1)</b>	*Source sample: 19K1085-03 (SB-1 (8-10))						Prepared & Analyzed: 12/04/2019				
% Solids	96.0	0.100	%		90.4				5.93	20	



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19K1085-01	SB-1 (0-2)	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
19K1085-02	SB-1 (2-4)	40mL Vial with Stir Bar-Cool 4° C
19K1085-03	SB-1 (8-10)	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
19K1085-04	SB-1 (14-16)	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
19K1085-05	SB-2 (0-2)	40mL Vial with Stir Bar-Cool 4° C
19K1085-06	SB-2 (6-8)	40mL Vial with Stir Bar-Cool 4° C
19K1085-07	SB-2 (10-12)	40mL Vial with Stir Bar-Cool 4° C
19K1085-08	SB-2 (13-15)	40mL Vial with Stir Bar-Cool 4° C
19K1085-09	Equipment Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19K1085-10	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

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

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# Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.  
 19K1085

Page \_\_\_ of \_\_\_

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number	
Company: <b>Advanced Cleanup Tech</b>	Company: <b>ACT</b>	Company: <b>ACT</b>	Company: <b>ACT</b>	Company: <b>ACT</b>	Company: <b>ACT</b>	Company: <b>ACT</b>	Company: <b>ACT</b>
Address: <b>110 Main St. Port Washington NY</b>	Address: <b>same</b>	Address: <b>same</b>	Address: <b>same</b>	Address: <b>same</b>	Address: <b>same</b>	Address: <b>same</b>	Address: <b>same</b>
Phone: <b>516-441-5800</b>	Phone: <b>same</b>	Phone: <b>same</b>	Phone: <b>same</b>	Phone: <b>same</b>	Phone: <b>same</b>	Phone: <b>same</b>	Phone: <b>same</b>
Contact: <b>Jason Stewart</b>	Contact: <b>Paul Stewart</b>	Contact: <b>Paul Stewart</b>	Contact: <b>Paul Stewart</b>	Contact: <b>Karen Friedman</b>	Contact: <b>Karen Friedman</b>	Contact: <b>Karen Friedman</b>	Contact: <b>Karen Friedman</b>
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**YOUR PO#:**

**Report / EDD Type (circle selections)**

<input checked="" type="checkbox"/> Summary Report	<input type="checkbox"/> CT RCP	<input type="checkbox"/> Standard Excel EDD
<input type="checkbox"/> QA Report	<input type="checkbox"/> CT RCP DOA/DUE	<input type="checkbox"/> EQUIS (Standard)
<input type="checkbox"/> NY ASP A Package	<input type="checkbox"/> NJDEP Reduced Deliverables	<input type="checkbox"/> NYSDEC EQUIS
<input type="checkbox"/> NY ASP B Package	<input type="checkbox"/> NJDEP SRP HazSite	<input type="checkbox"/> NJDEP SRP HazSite
<input type="checkbox"/> Other:	<input type="checkbox"/> NJDKQP	<input type="checkbox"/> Other:

**YORK Reg. Comp.**  
 Compared to the following Regulation(s): (please fill in)  
 NYSDEC Part-375  
 WWSLO Part-250  
 CSCO

Sample Identification	Sample Matrix	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analysis Requested	Container Description
SB-1 (0-2)	S	<input checked="" type="checkbox"/> Soil / solid	New York	<input checked="" type="checkbox"/> Summary Report	VOC	VOC Kit
SB-1 (2-4)	S	GW - groundwater	New Jersey	<input type="checkbox"/> QA Report	"	"
SB-1 (8-10)	S	DW - drinking water	Connecticut	<input type="checkbox"/> NY ASP A Package	"	"
SB-1 (14-16)	S	WW - wastewater	Pennsylvania	<input type="checkbox"/> NY ASP B Package	"	"
SB-2 (0-2)	S	O - Oil ; Other	Other		"	"
SB-2 (6-8)	S				"	"
SB-2 (10-12)	S				"	"
SB-2 (13-15)	S				"	"
Equipment Blank	Other: Di				"	2 VOC w/ HCC
TRIP Blank	Other: Di				"	2 VOC w/ HCC

**Comments:**

Preservation: (check all that apply)  
 HCl  MeOH \_\_\_ HNO3 \_\_\_ H2SO4 \_\_\_ NaOH \_\_\_ ZnAc \_\_\_  
 Ascorbic Acid \_\_\_ Other: **Di**

Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company
11/26/19 9:30 AM	Kobayashi	11/26/19 9:30 AM	Kobayashi
11/26/19 11:26/19 1900		11/26/19 1900	