Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

April 19, 2017

Stephany Espinal
Flushing Bank
220 RXR Plaza
Uniondale, NY 11556

Re: Tier II Vapor Encroachment Screen
68-16 to 68-48 Main Street
Kew Gardens, NY 11367

Dear Ms. Espinal,

Advanced Cleanup Technologies, Inc. (ACT) performed a Tier II Vapor Encroachment Screen (Tier II VE Screen) at the above referenced property on March 21, 2017. The purpose for the Tier II VE Screen was to determine whether the historical dry cleaning operations at the subject property had created a vapor encroachment condition, defined as "the presence or likely presence of vapors in the subsurface of the subject property caused by the release of vapors from contaminated soil or groundwater either on or near the subject property" *(Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions, ASTM E2600)*.

**Soil Vapor Sampling**

Five sub-slab soil vapor samples (SS-1 through SS-5) and one exterior soil vapor sample (SV-6) were collected at the property at the locations depicted in Figure 1. Sampling was performed in conformity with the "*Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*" (NYSDOH Guidance). Copies of field notes generated during the investigation are enclosed.

The sub-slab soil vapor samples were collected utilizing a power drill, a 1-foot long drill bit, dedicated Teflon tubing and volatile organic compound (VOC) free putty for sealant. A 6-Liter stainless steel Summa canister with a flow regulator set to a flow rate of approximately 0.025 liters per minute was connected to the Teflon tubing exiting each soil vapor probe. Once the canisters were in place, the flow regulators were opened and sampling continued for approximately 4 hours until the canisters were full. Copies of field notes generated during the investigation are enclosed.

The six soil vapor samples were transmitted under chain of custody to York Analytical Laboratories, Inc. (NYSDOH #10854). All samples were analyzed for VOCs in accordance with USEPA Method TO-15. Copies of the laboratory reports are also enclosed.

**Soil Vapor Analysis**

Table 1 summarizes the concentrations of chlorinated VOCs detected in soil vapor as compared to soil vapor screening levels contained in Matrix 1 and Matrix 2 of the NYSDOH Guidance. Tetrachloroethene (PCE) was detected in sub-slab soil vapor samples SS-1 through SS-5 at concentrations of 250,000 µg/m$^3$; 990,000 µg/m$^3$; 2,800 µg/m$^3$; 480,000 µg/m$^3$, and 1,100 µg/m$^3$, respectively. PCE was also detected in soil vapor sample SV-6 at a concentration of 12,000 µg/m$^3$. The NYSDOH soil vapor screening level for PCE is 100 µg/m$^3$.

Trichloroethylene (TCE) was also detected in sub-slab soil vapor samples SS-1 through SS-5 at concentrations of 43,000 µg/m$^3$; 220,000 µg/m$^3$; 490 µg/m$^3$; 72,000 µg/m$^3$, and 33 µg/m$^3$, respectively. TCE was also detected in soil vapor sample SV-6 at a concentration of 370 µg/m$^3$. The NYSDOH soil vapor screening level for TCE is 5 µg/m$^3$.

The soil vapor samples contained other VOCs. Soil vapor samples SS-1, SS-2, SS-4, and SV-6 contained cis-1,2-Dichloroethene at concentrations of 32,000 µg/m$^3$; 20,000 µg/m$^3$; 160,000 µg/m$^3$; and 180 µg/m$^3$, respectively. The NYSDOH soil vapor screening level for cis-1,2-Dichloroethene is 100 µg/m$^3$. Sub-slab soil vapor sample SS-4 contained Vinyl Chloride and 1,1-Dichloroethene at concentrations of 46 µg/m$^3$ and 300 µg/m$^3$, respectively. The NYSDOH soil vapor screening level for Vinyl Chloride and 1,1-Dichloroethene are 5 µg/m$^3$ and 100 µg/m$^3$, respectively.

**Table 1**

**Chlorinated Volatile Organic Compounds in Soil Vapor**

| Sample ID<br>Sampling Date<br>Parameters | NYSDOH Soil Vapor Screening Level | SS-1<br>3/21/17 | SS-2<br>3/21/17 | SS-3<br>3/21/17 | SS-4<br>3/21/17 | SS-5<br>3/21/17 | SV-6<br>3/21/17 |
|---|---|---|---|---|---|---|---|
| Tetrachloroethene | 100 [2] | 250,000 | 990,000 | 2,800 | 480,000 | 1,100 | 12,000 |
| Trichloroethene | 5 [1] | 43,000 | 220,000 | 490 | 72,000 | 33 | 370 |
| Carbon tetrachloride | 5 [1] | ND | ND | ND | ND | ND | ND |
| Vinyl Chloride | 5 [1] | ND | ND | ND | 46 | ND | ND |
| 1,1,1-Trichloroethane | 100 [2] | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethene | 100 [2] | ND | ND | ND | 300 | ND | ND |
| cis-1,2-Dichloroethene | 100 [2] | 32,000 | 20,000 | 24 | 160,000 | ND | 180 |

All units in µg/m3
EPA Method TO-15
Highlighted values signify detection above screening level
ND= Compound not detected
[1] Matrix 1, NYSDOH "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (October 2006)
[2] Matrix 2, NYSDOH "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (October 2006)

**Conclusions and Recommendations**

Based upon the results of the Tier II VE Screen, ACT makes the following conclusions and recommendations concerning the environmental quality of the subject property:

- The presence of Trichloroethene and Tetrachloroethylene in soil vapor above NYSDOH soil vapor screening levels indicates that a Vapor Encroachment Condition exists beneath the subject property. The concentrations of these and other VOCs in soil vapor beneath the Site also indicate that a source of soil and/or groundwater contamination may be present beneath the subject property.

- An active Sub-Slab Depressurization Systems (SSDS) should be installed beneath the building to prevent contaminated soil vapor from migrating into air inside the building. Given the size of the building, the cost to install an active SSDS should not exceed $50,000. The cost for long term operation, maintenance and monitoring cannot be determined at this time.

- ACT recommends that the Site be enrolled into the NYSDEC Brownfield Cleanup Program where future investigations can receive the review and approval of the NYSDEC and NYSDOH. The cost for this task cannot be determined at this time.

Please feel free to contact the undersigned should you have any questions or comments concerning the above.

Dated April 7, 2017:

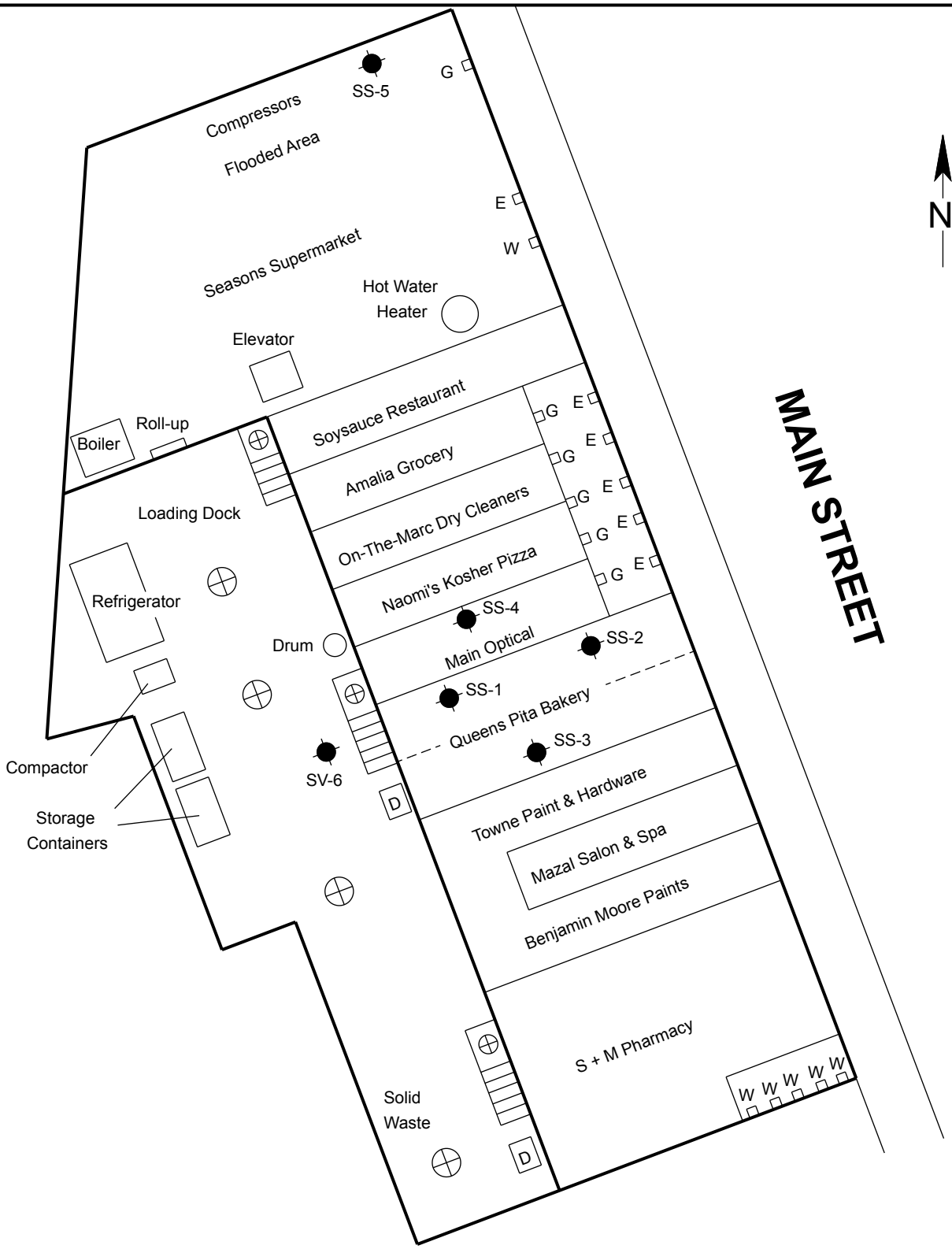
Very truly yours,

Paul P. Stewart, MS, QEP
President

## EXCLUSIONS AND DISCLAIMER

The purpose of this investigation was to assess the potential environmental liabilities at the subject site with respect to data, which Advanced Cleanup Technologies, Inc. has accumulated during the Phase II Environmental Site Assessment. The conclusions presented in this report are based solely on the observations of the site at the time of the investigation. Data provided, including information provided by others, was utilized in assessing the site conditions. The accuracy of this report is subject to the accuracy of the information provided. Advanced Cleanup Technologies, Inc. is not responsible for areas not seen or information not collected. This report is given without a warranty or guarantee of any kind, expressed or implied. Advanced Cleanup Technologies, Inc. assumes no responsibility for losses associated with the use of this report.

# FIGURES




## Legend

Soil Vapor / Sub-Slab Soil Vapor Sampling Location

**Sampling Diagram**

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.: 1 |
| Date: 03/31/2017 | Scale: Not To Scale |

# TABLES

## Table 1

## Chlorinated Volatile Organic Compounds in Soil Vapor

| Sample ID<br>Sampling Date | NYSDOH Soil Vapor Screening Level | **SS-1**<br>3/21/17 | **SS-2**<br>3/21/17 | **SS-3**<br>3/21/17 | **SS-4**<br>3/21/17 | **SS-5**<br>3/21/17 | **SV-6**<br>3/21/17 |
|---|---|---|---|---|---|---|---|
| Parameters | | | | | | | |
| Tetrachloroethene | 100 [2] | **250,000** | **990,000** | **2,800** | **480,000** | **1,100** | **12,000** |
| Trichloroethene | 5 [1] | **43,000** | **220,000** | **490** | **72,000** | **33** | **370** |
| Carbon tetrachloride | 5 [1] | ND | ND | ND | ND | ND | ND |
| Vinyl Chloride | 5 [1] | ND | ND | ND | **46** | ND | ND |
| 1,1,1-Trichloroethane | 100 [2] | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethene | 100 [2] | ND | ND | ND | **300** | ND | ND |
| cis-1,2-Dichloroethene | 100 [2] | **32,000** | **20,000** | **24** | **160,000** | ND | **180** |

All units in µg/m3
EPA Method TO-15
Highlighted values signify detection above screening level
ND= Compound not detected

[1] Matrix 1, NYSDOH "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (October 2006)

[2] Matrix 2, NYSDOH "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (October 2006)

# APPENDIX A

# FIELD NOTES

Gmail by Google

**Tim Young <timy@act.earth>**

# 9233-KGNY Soil Vapor Survey

**Jessica Lam** <jessical@act.earth> Mon, Mar 20, 2017 at 2:07 PM
To: Tim Young <timy@actenvirons.com>
Cc: Alex Keenan <alexk@act.earth>, Mark Gelband <markg@act.earth>

Tim,

Here are the proposed sampling points for tomorrow's project. All points are in the basement besides SV-6, which is in the parking lot.

**Bakery** (former dry cleaner)
SS-1 and SS-2 in the northern portion and SS-3 in the southern portion of the basements ✓

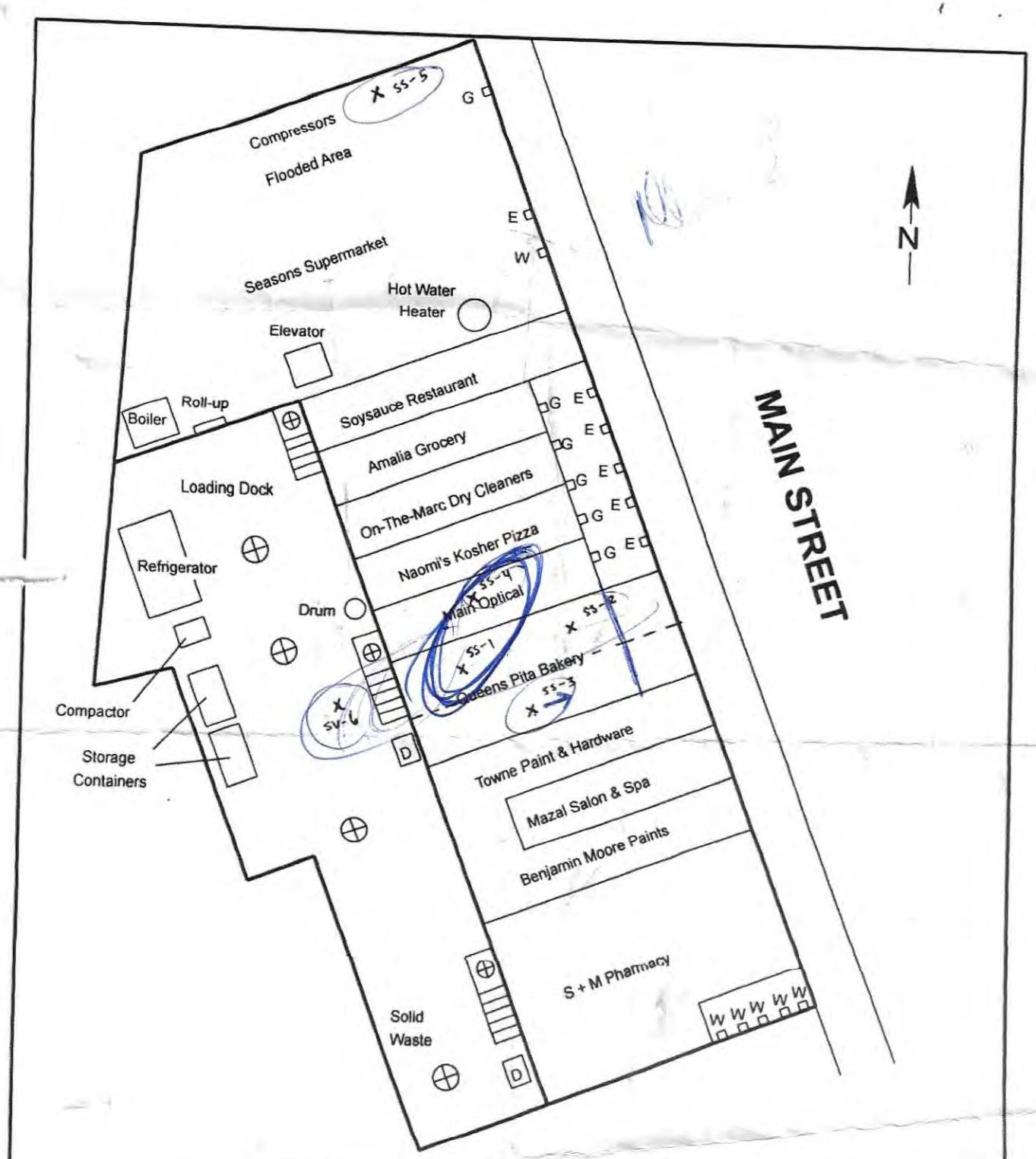
**Optical**
SS-4 in the basement ✓

**Supermarket**
SS-5 in the northern portion of the basement
(to address any vapors from the adjacent filling station to the north)

**Parking Lot**
SV-6 at the rear of the bakery ✓

**2017-03-20 14.01.50.pdf**
201K

68-16
68-48
Main St. Kew Gardens




## Legend

| | | | |
|---|---|---|---|
| ⊕ | Storm Drain | E | Electric Meter |
| D | Dumpster | W | Water Meter |
| | | G | Gas Meter |

**Site Diagram**

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 02/10/2017 | Scale Not To Scale |

Advanced Environmental Technology, Inc.
ENVIRONMENTAL CONSULTANTS

960 S. Broadway Hicksville, NY

Date: 3/21/17

# SAMPLE INFORMATION RECORD

PROJECT NO.: 9233-KGNY Sampling Personnel: TY JL

Job Locations: Queens Pita Bakery (former Dry cleaner)

Field Sample Designation: SS-1 Time: _____

Weather: cloudy ~50's Temperature: _____

## SAMPLE TYPE:

GROUNDWATER: _____ SEDIMENT: _____

SURFACE WATER: _____ SOIL: _____

AIR: sub slab OTHER (describe): _____

## GROUNDWATER INFORMATION:

Depth to Groundwater: _____ Measurement Method: _____

Depth of well or Sampling Point: _____ Measurement Method: _____

Volume of Groundwater Purged: _____ Purge Method: photovac

## FIELD TEST RESULTS:

Color: _____ pH: _____ Odor: _____

Temperature (°F/°C): _____ Specific Conductance (µmhos/cm): _____

Other: PID: _____ ppm Helium Detector: _____ ppm

Canister #: [redacted] 948 Initial Pressure: [redacted] -29 Start Time: [redacted] 1042

Flow Regulator #: [redacted] 5122 Final Pressure: [redacted] -9 End Time: [redacted] 1411

## SAMPLE ANANLYSIS:

TO-15

## REMARKS:

sub-slab style - PID purge 8-10 secs

West Basement 130 ppm

ENVIRONMENTAL CONSULTANTS

960 S. Broadway Hicksville, NY

Date: 3/21/17

## SAMPLE INFORMATION RECORD

PROJECT NO.: 9233-KGNY Sampling Personnel: TY JL

Job Locations: Queens Pita Bakery (former Dry cleaner)

Field Sample Designation: SS-2 Time: _____

Weather: cloudy 50's Temperature: _____

### SAMPLE TYPE:

GROUNDWATER: _____ SEDIMENT: _____

SURFACE WATER: _____ SOIL: _____

AIR: sub slab OTHER (describe): _____

### GROUNDWATER INFORMATION:

Depth to Groundwater: _____ Measurement Method: _____

Depth of well or Sampling Point: _____ Measurement Method: _____

Volume of Groundwater Purged: _____ Purge Method: photovac

### FIELD TEST RESULTS:

Color: _____ pH: _____ Odor: _____

Temperature (°F/°C): _____ Specific Conductance (µmhos/cm): _____

Other: PID: _____ ppm Helium Detector: _____ ppm

Canister #: Y54 Initial Pressure: -28 Start Time: 1040

Flow Regulator #: Y3 Final Pressure: -7 End Time: 1410

### SAMPLE ANANLYSIS:

TO-15 _____ _____ _____

_____ _____ _____ _____

REMARKS:

sub slab style - PID purge 8-10 secs

east basement 0.0 ppm

ENVIRONMENTAL CONSULTANTS

960 S. Broadway Hicksville, NY

Date: 3/21/17

# SAMPLE INFORMATION RECORD

PROJECT NO.: 9233-KGNY Sampling Personnel: TY JL

Job Locations: Queens Pita Bakery (former dry cleaners)

Field Sample Designation: SS-3 Time: _____

Weather: cloudy 50's Temperature: _____

## SAMPLE TYPE:

GROUNDWATER: _____ SEDIMENT: _____

SURFACE WATER: _____ SOIL: _____

AIR: sub slab OTHER (describe): _____

## GROUNDWATER INFORMATION:

Depth to Groundwater: _____ Measurement Method: _____

Depth of well or Sampling Point: _____ Measurement Method: _____

Volume of Groundwater Purged: _____ Purge Method: photovac

## FIELD TEST RESULTS:

Color: _____ pH: _____ Odor: _____

Temperature (°F/°C): _____ Specific Conductance (µmhos/cm): _____

Other: PID: _____ ppm Helium Detector: _____ ppm

Canister #: Y85 Initial Pressure: -30 Start Time: 1050

Flow Regulator #: 3351 Final Pressure: -10 End Time: 1428

## SAMPLE ANANLYSIS:

TO-15 _____ _____ _____

_____ _____ _____ _____

## REMARKS:

sub slab style - PID purge 8-10 secs

South basement 1.0 ppm

ENVIRONMENTAL CONSULTANTS

960 S. Broadway Hicksville, NY

Date: 3/21/17

# SAMPLE INFORMATION RECORD

PROJECT NO.: 9233 - KGNY  Sampling Personnel: TY JL

Job Locations: Main Optical

Field Sample Designation: SS-4  Time: _____

Weather: cloudy 50's  Temperature: _____

## SAMPLE TYPE:

GROUNDWATER: _____  SEDIMENT: _____

SURFACE WATER: _____  SOIL: _____

AIR: sub-slab  OTHER (describe): _____

## GROUNDWATER INFORMATION:

Depth to Groundwater: _____  Measurement Method: _____

Depth of well or Sampling Point: _____  Measurement Method: _____

Volume of Groundwater Purged: _____  Purge Method: photovac

## FIELD TEST RESULTS:

Color: _____  pH: _____  Odor: _____

Temperature (°F/°C): _____  Specific Conductance (µmhos/cm): _____

Other: PID: _____ ppm  Helium Detector: _____ ppm

Canister #: Y67  Initial Pressure: -30  Start Time: 1055

Flow Regulator #: 5121  Final Pressure: -9  End Time: 1431

## SAMPLE ANANLYSIS:

TO-15

## REMARKS:

sub slab style - PID purge 8-10 secs

600+ ppm

ENVIRONMENTAL CONSULTANTS

960 S. Broadway Hicksville, NY

Date: 3/21/17

# SAMPLE INFORMATION RECORD

PROJECT NO.: 9233-KGNY Sampling Personnel: TY SL

Job Locations: Seasons Supermarket

Field Sample Designation: SS-5 Time: _____

Weather: _____ Temperature: _____

## SAMPLE TYPE:

GROUNDWATER: _____ SEDIMENT: _____

SURFACE WATER: _____ SOIL: _____

AIR: sub-slab OTHER (describe): _____

## GROUNDWATER INFORMATION:

Depth to Groundwater: _____ Measurement Method: _____

Depth of well or Sampling Point: _____ Measurement Method: _____

Volume of Groundwater Purged: _____ Purge Method: photovac

## FIELD TEST RESULTS:

Color: _____ pH: _____ Odor: _____

Temperature (°F/°C): _____ Specific Conductance (µmhos/cm): _____

Other: PID: _____ ppm Helium Detector: _____ ppm

Canister #: Y50 Initial Pressure: -27 Start Time: 1105

Flow Regulator #: 7419 Final Pressure: -8 End Time: 1416

## SAMPLE ANANLYSIS:

TO-15

## REMARKS:

sub slab style - PID purge 8-10 seconds 1.0 ppm

North Basement

ENVIRONMENTAL CONSULTANTS

960 S. Broadway Hicksville, NY

Date: 3/21/17

## SAMPLE INFORMATION RECORD

PROJECT NO.: 9233-KGNY Sampling Personnel: TY JL

Job Locations: Back parking lot

Field Sample Designation: SV-6 Time: _____

Weather: cloudy 50's Temperature: _____

### SAMPLE TYPE:

GROUNDWATER: _____ SEDIMENT: _____

SURFACE WATER: _____ SOIL: _____

AIR: sub slab OTHER (describe): _____

### GROUNDWATER INFORMATION:

Depth to Groundwater: _____ Measurement Method: _____

Depth of well or Sampling Point: _____ Measurement Method: _____

Volume of Groundwater Purged: _____ Purge Method: photovac

### FIELD TEST RESULTS:

Color: _____ pH: _____ Odor: _____

Temperature (°F/°C): _____ Specific Conductance (µmhos/cm): _____

Other: PID: _____ ppm Helium Detector: _____ ppm

Canister #: Y80 Initial Pressure: -30 Start Time: 1115

Flow Regulator #: 7420 Final Pressure: -10 End Time: 1420

### SAMPLE ANANLYSIS:

TO-15

### REMARKS:

sub slab style - pin purge 8-10 secs

4.0 ppm

behind Bakery

(active area)

# APPENDIX B

# LABORATORY REPORTS

# Technical Report

prepared for:

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

Report Date: 03/30/2017
**Client Project ID: 9233-KGNY**
York Project (SDG) No.: 17C0779

Report Date: 03/30/2017
Client Project ID: 9233-KGNY
York Project (SDG) No.: 17C0779

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

## 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 March 22, 2017 and listed below. The project was identified as your project: **9233-KGNY**.

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

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

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

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

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

| York Sample ID | Client Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| 17C0779-01 | SS-1 | Soil Vapor | 03/21/2017 | 03/22/2017 |
| 17C0779-02 | SS-2 | Soil Vapor | 03/21/2017 | 03/22/2017 |
| 17C0779-03 | SS-3 | Soil Vapor | 03/21/2017 | 03/22/2017 |
| 17C0779-04 | SS-4 | Soil Vapor | 03/21/2017 | 03/22/2017 |
| 17C0779-05 | SS-5 | Soil Vapor | 03/21/2017 | 03/22/2017 |
| 17C0779-06 | SV-6 | Soil Vapor | 03/21/2017 | 03/22/2017 |

## General Notes for York Project (SDG) No.: 17C0779

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
9. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

**Approved By:** 

**Date:** 03/30/2017

Benjamin Gulizia
Laboratory Director

## Sample Information

**Client Sample ID:** SS-1 **York Sample ID:** 17C0779-01

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane | ND | | ug/m³ | 64 | 64 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | | | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/m³ | 51 | 51 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/m³ | 64 | 64 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/m³ | 71 | 71 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/m³ | 51 | 51 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/m³ | 38 | 38 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/m³ | 37 | 37 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/m³ | 69 | 69 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/m³ | 46 | 46 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/m³ | 71 | 71 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/m³ | 56 | 56 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/m³ | 38 | 38 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/m³ | 43 | 43 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 76-14-2 | 1,2-Dichlorotetrafluoroethane | ND | | ug/m³ | 65 | 65 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/m³ | 46 | 46 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 106-99-0 | 1,3-Butadiene | ND | | ug/m³ | 62 | 62 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/m³ | 56 | 56 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 142-28-9 | * 1,3-Dichloropropane | ND | | ug/m³ | 43 | 43 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | | | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/m³ | 56 | 56 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 123-91-1 | 1,4-Dioxane | ND | | ug/m³ | 67 | 67 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

## Sample Information

**Client Sample ID:** SS-1 **York Sample ID:** 17C0779-01

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 78-93-3 | 2-Butanone | ND | | ug/m³ | 27 | 27 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 591-78-6 | * 2-Hexanone | ND | | ug/m³ | 76 | 76 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | | | |
| 107-05-1 | 3-Chloropropene | ND | | ug/m³ | 150 | 150 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/m³ | 38 | 38 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 67-64-1 | **Acetone** | **46** | | ug/m³ | 44 | 44 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 107-13-1 | Acrylonitrile | ND | | ug/m³ | 20 | 20 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 71-43-2 | Benzene | ND | | ug/m³ | 30 | 30 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 100-44-7 | Benzyl chloride | ND | | ug/m³ | 48 | 48 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/m³ | 62 | 62 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 75-25-2 | Bromoform | ND | | ug/m³ | 96 | 96 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 74-83-9 | Bromomethane | ND | | ug/m³ | 36 | 36 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 75-15-0 | Carbon disulfide | ND | | ug/m³ | 29 | 29 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 56-23-5 | Carbon tetrachloride | ND | | ug/m³ | 15 | 15 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 108-90-7 | Chlorobenzene | ND | | ug/m³ | 43 | 43 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 75-00-3 | Chloroethane | ND | | ug/m³ | 25 | 25 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 67-66-3 | **Chloroform** | **120** | | ug/m³ | 45 | 45 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 74-87-3 | Chloromethane | ND | | ug/m³ | 19 | 19 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 156-59-2 | **cis-1,2-Dichloroethylene** | **32000** | | ug/m³ | 180 | 180 | 464.6 | EPA TO-15 | 03/27/2017 20:31 | 03/27/2017 20:31 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/m³ | 42 | 42 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 110-82-7 | Cyclohexane | ND | | ug/m³ | 32 | 32 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 124-48-1 | Dibromochloromethane | ND | | ug/m³ | 79 | 79 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/m³ | 46 | 46 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |

## Sample Information

**Client Sample ID:** SS-1 **York Sample ID:** 17C0779-01

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 141-78-6 | * Ethyl acetate | ND | | ug/m³ | 67 | 67 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | | | |
| 100-41-4 | Ethyl Benzene | ND | | ug/m³ | 40 | 40 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/m³ | 99 | 99 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 67-63-0 | Isopropanol | ND | | ug/m³ | 46 | 46 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 80-62-6 | Methyl Methacrylate | ND | | ug/m³ | 38 | 38 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/m³ | 34 | 34 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-09-2 | Methylene chloride | ND | | ug/m³ | 65 | 65 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 142-82-5 | n-Heptane | ND | | ug/m³ | 38 | 38 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 110-54-3 | n-Hexane | ND | | ug/m³ | 33 | 33 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 95-47-6 | o-Xylene | ND | | ug/m³ | 40 | 40 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/m³ | 81 | 81 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 622-96-8 | * p-Ethyltoluene | ND | | ug/m³ | 46 | 46 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | | | |
| 115-07-1 | * Propylene | ND | | ug/m³ | 16 | 16 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | | | |
| 100-42-5 | Styrene | ND | | ug/m³ | 40 | 40 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 127-18-4 | **Tetrachloroethylene** | **250000** | | ug/m³ | 320 | 320 | 1858 | EPA TO-15 | 03/28/2017 19:20 | 03/28/2017 19:20 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 109-99-9 | * Tetrahydrofuran | ND | | ug/m³ | 55 | 55 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | | | |
| 108-88-3 | Toluene | ND | | ug/m³ | 35 | 35 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 156-60-5 | **trans-1,2-Dichloroethylene** | **350** | | ug/m³ | 37 | 37 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/m³ | 42 | 42 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 79-01-6 | **Trichloroethylene** | **43000** | | ug/m³ | 62 | 62 | 464.6 | EPA TO-15 | 03/27/2017 20:31 | 03/27/2017 20:31 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | ND | | ug/m³ | 52 | 52 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-05-4 | Vinyl acetate | ND | | ug/m³ | 33 | 33 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

## Sample Information

**Client Sample ID:** SS-1 **York Sample ID:** 17C0779-01

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 593-60-2 | Vinyl bromide | ND | | ug/m³ | 41 | 41 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 75-01-4 | Vinyl Chloride | ND | | ug/m³ | 24 | 24 | 92.92 | EPA TO-15 | 03/24/2017 05:49 | 03/24/2017 05:49 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 460-00-4 | *Surrogate: p-Bromofluorobenzene* | *95.8 %* | *72-118* |

## Sample Information

**Client Sample ID:** SS-2 **York Sample ID:** 17C0779-02

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | * **1,1,1,2-Tetrachloroethane** | **64** | | ug/m³ | 16 | 16 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | | | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/m³ | 13 | 13 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/m³ | 16 | 16 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/m³ | 18 | 18 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/m³ | 13 | 13 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/m³ | 9.7 | 9.7 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/m³ | 9.5 | 9.5 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/m³ | 18 | 18 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 95-63-6 | **1,2,4-Trimethylbenzene** | **190** | | ug/m³ | 12 | 12 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/m³ | 18 | 18 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/m³ | 14 | 14 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/m³ | 9.7 | 9.7 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |

## Sample Information

**Client Sample ID:** SS-2 **York Sample ID:** 17C0779-02

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/m³ | 11 | 11 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 76-14-2 | 1,2-Dichlorotetrafluoroethane | ND | | ug/m³ | 17 | 17 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-67-8 | **1,3,5-Trimethylbenzene** | **52** | | ug/m³ | 12 | 12 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 106-99-0 | 1,3-Butadiene | ND | | ug/m³ | 16 | 16 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/m³ | 14 | 14 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 142-28-9 | * 1,3-Dichloropropane | ND | | ug/m³ | 11 | 11 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | | | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/m³ | 14 | 14 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 123-91-1 | 1,4-Dioxane | ND | | ug/m³ | 17 | 17 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 78-93-3 | **2-Butanone** | **9.9** | | ug/m³ | 7.1 | 7.1 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 591-78-6 | * 2-Hexanone | ND | | ug/m³ | 20 | 20 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | | | |
| 107-05-1 | 3-Chloropropene | ND | | ug/m³ | 38 | 38 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/m³ | 9.8 | 9.8 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 67-64-1 | **Acetone** | **160** | | ug/m³ | 11 | 11 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 107-13-1 | Acrylonitrile | ND | | ug/m³ | 5.2 | 5.2 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 71-43-2 | **Benzene** | **7.7** | | ug/m³ | 7.7 | 7.7 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 100-44-7 | Benzyl chloride | ND | | ug/m³ | 12 | 12 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/m³ | 16 | 16 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-25-2 | Bromoform | ND | | ug/m³ | 25 | 25 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 74-83-9 | Bromomethane | ND | | ug/m³ | 9.3 | 9.3 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-15-0 | **Carbon disulfide** | **9.7** | | ug/m³ | 7.5 | 7.5 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 56-23-5 | Carbon tetrachloride | ND | | ug/m³ | 3.8 | 3.8 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-90-7 | **Chlorobenzene** | **33** | | ug/m³ | 11 | 11 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

## Sample Information

**Client Sample ID:** SS-2 **York Sample ID:** 17C0779-02

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 75-00-3 | Chloroethane | ND | | ug/m³ | 6.3 | 6.3 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 67-66-3 | **Chloroform** | **3200** | | ug/m³ | 12 | 12 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 74-87-3 | Chloromethane | ND | | ug/m³ | 5.0 | 5.0 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 156-59-2 | **cis-1,2-Dichloroethylene** | **20000** | | ug/m³ | 380 | 380 | 960 | EPA TO-15 | 03/27/2017 21:19 | 03/27/2017 21:19 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/m³ | 11 | 11 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 110-82-7 | Cyclohexane | ND | | ug/m³ | 8.3 | 8.3 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 124-48-1 | Dibromochloromethane | ND | | ug/m³ | 20 | 20 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/m³ | 12 | 12 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 141-78-6 | * Ethyl acetate | ND | | ug/m³ | 17 | 17 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | | | |
| 100-41-4 | Ethyl Benzene | ND | | ug/m³ | 10 | 10 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/m³ | 26 | 26 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 67-63-0 | Isopropanol | ND | | ug/m³ | 12 | 12 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 80-62-6 | Methyl Methacrylate | ND | | ug/m³ | 9.8 | 9.8 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/m³ | 8.7 | 8.7 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-09-2 | **Methylene chloride** | **36** | | ug/m³ | 17 | 17 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 142-82-5 | n-Heptane | ND | | ug/m³ | 9.8 | 9.8 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 110-54-3 | n-Hexane | ND | | ug/m³ | 8.5 | 8.5 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 95-47-6 | **o-Xylene** | **15** | | ug/m³ | 10 | 10 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 179601-23-1 | **p- & m- Xylenes** | **23** | | ug/m³ | 21 | 21 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 622-96-8 | * **p-Ethyltoluene** | **77** | | ug/m³ | 12 | 12 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | | | |
| 115-07-1 | * **Propylene** | **90** | | ug/m³ | 4.1 | 4.1 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | | | |
| 100-42-5 | Styrene | ND | | ug/m³ | 10 | 10 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

## Sample Information

**Client Sample ID:** SS-2 **York Sample ID:** 17C0779-02RE2

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 127-18-4 | **Tetrachloroethylene** | **990000** | | ug/m³ | 650 | 650 | 3840 | EPA TO-15 | 03/28/2017 20:07 | 03/28/2017 20:07 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 109-99-9 | * Tetrahydrofuran | ND | | ug/m³ | 14 | 14 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | | | |
| 108-88-3 | **Toluene** | **14** | | ug/m³ | 9.0 | 9.0 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 156-60-5 | **trans-1,2-Dichloroethylene** | **930** | | ug/m³ | 9.5 | 9.5 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/m³ | 11 | 11 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 79-01-6 | **Trichloroethylene** | **220000** | | ug/m³ | 130 | 130 | 960 | EPA TO-15 | 03/27/2017 21:19 | 03/27/2017 21:19 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | ND | | ug/m³ | 13 | 13 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-05-4 | Vinyl acetate | ND | | ug/m³ | 8.5 | 8.5 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 593-60-2 | Vinyl bromide | ND | | ug/m³ | 10 | 10 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-01-4 | Vinyl Chloride | ND | | ug/m³ | 6.1 | 6.1 | 24 | EPA TO-15 | 03/24/2017 02:40 | 03/24/2017 02:40 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 460-00-4 | *Surrogate: p-Bromofluorobenzene* | *99.1 %* | *72-118* |

## Sample Information

**Client Sample ID:** SS-3 **York Sample ID:** 17C0779-03

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane | ND | | ug/m³ | 16 | 16 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | | | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/m³ | 12 | 12 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/m³ | 16 | 16 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/m³ | 18 | 18 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

## Sample Information

**Client Sample ID:** SS-3 **York Sample ID:** 17C0779-03

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/m³ | 12 | 12 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/m³ | 9.3 | 9.3 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/m³ | 9.1 | 9.1 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/m³ | 17 | 17 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/m³ | 11 | 11 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/m³ | 18 | 18 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/m³ | 14 | 14 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/m³ | 9.3 | 9.3 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/m³ | 11 | 11 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 76-14-2 | 1,2-Dichlorotetrafluoroethane | ND | | ug/m³ | 16 | 16 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/m³ | 11 | 11 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 106-99-0 | 1,3-Butadiene | ND | | ug/m³ | 15 | 15 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/m³ | 14 | 14 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 142-28-9 | * 1,3-Dichloropropane | ND | | ug/m³ | 11 | 11 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | | | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/m³ | 14 | 14 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 123-91-1 | 1,4-Dioxane | ND | | ug/m³ | 17 | 17 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 78-93-3 | **2-Butanone** | **28** | | ug/m³ | 6.8 | 6.8 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 591-78-6 | * 2-Hexanone | ND | | ug/m³ | 19 | 19 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | | | |
| 107-05-1 | 3-Chloropropene | ND | | ug/m³ | 36 | 36 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/m³ | 9.4 | 9.4 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 67-64-1 | **Acetone** | **150** | | ug/m³ | 11 | 11 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 107-13-1 | Acrylonitrile | ND | | ug/m³ | 5.0 | 5.0 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

## Sample Information

**Client Sample ID:** SS-3 **York Sample ID:** 17C0779-03

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | ND | | ug/m³ | 7.3 | 7.3 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 100-44-7 | Benzyl chloride | ND | | ug/m³ | 12 | 12 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/m³ | 15 | 15 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-25-2 | Bromoform | ND | | ug/m³ | 24 | 24 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 74-83-9 | Bromomethane | ND | | ug/m³ | 8.9 | 8.9 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-15-0 | **Carbon disulfide** | **10** | | ug/m³ | 7.1 | 7.1 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 56-23-5 | Carbon tetrachloride | ND | | ug/m³ | 3.6 | 3.6 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-90-7 | Chlorobenzene | ND | | ug/m³ | 11 | 11 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-00-3 | Chloroethane | ND | | ug/m³ | 6.0 | 6.0 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 67-66-3 | Chloroform | ND | | ug/m³ | 11 | 11 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 74-87-3 | Chloromethane | ND | | ug/m³ | 4.7 | 4.7 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 156-59-2 | **cis-1,2-Dichloroethylene** | **24** | | ug/m³ | 9.1 | 9.1 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/m³ | 10 | 10 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 110-82-7 | Cyclohexane | ND | | ug/m³ | 7.9 | 7.9 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 124-48-1 | Dibromochloromethane | ND | | ug/m³ | 20 | 20 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/m³ | 11 | 11 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 141-78-6 | * Ethyl acetate | ND | | ug/m³ | 17 | 17 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | | | |
| 100-41-4 | Ethyl Benzene | ND | | ug/m³ | 9.9 | 9.9 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/m³ | 24 | 24 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 67-63-0 | Isopropanol | ND | | ug/m³ | 11 | 11 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 80-62-6 | Methyl Methacrylate | ND | | ug/m³ | 9.4 | 9.4 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/m³ | 8.3 | 8.3 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

## Sample Information

**Client Sample ID:** SS-3 **York Sample ID:** 17C0779-03

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 75-09-2 | **Methylene chloride** | **27** | | ug/m³ | 16 | 16 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 142-82-5 | n-Heptane | ND | | ug/m³ | 9.4 | 9.4 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 110-54-3 | n-Hexane | ND | | ug/m³ | 8.1 | 8.1 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 95-47-6 | o-Xylene | ND | | ug/m³ | 9.9 | 9.9 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/m³ | 20 | 20 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 622-96-8 | * p-Ethyltoluene | ND | | ug/m³ | 11 | 11 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | | | |
| 115-07-1 | * **Propylene** | **39** | | ug/m³ | 3.9 | 3.9 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | | | |
| 100-42-5 | Styrene | ND | | ug/m³ | 9.8 | 9.8 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 127-18-4 | **Tetrachloroethylene** | **2800** | | ug/m³ | 3.9 | 3.9 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 109-99-9 | * Tetrahydrofuran | ND | | ug/m³ | 14 | 14 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | | | |
| 108-88-3 | **Toluene** | **11** | | ug/m³ | 8.6 | 8.6 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/m³ | 9.1 | 9.1 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/m³ | 10 | 10 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 79-01-6 | **Trichloroethylene** | **490** | | ug/m³ | 3.1 | 3.1 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | ND | | ug/m³ | 13 | 13 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-05-4 | Vinyl acetate | ND | | ug/m³ | 8.1 | 8.1 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 593-60-2 | Vinyl bromide | ND | | ug/m³ | 10 | 10 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-01-4 | Vinyl Chloride | ND | | ug/m³ | 5.9 | 5.9 | 22.9 | EPA TO-15 | 03/24/2017 03:27 | 03/24/2017 03:27 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 460-00-4 | *Surrogate: p-Bromofluorobenzene* | *93.9 %* | *72-118* |

## Sample Information

**Client Sample ID:** SS-4 **York Sample ID:** 17C0779-04

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | * **1,1,1,2-Tetrachloroethane** | **200** | | ug/m³ | 65 | 65 | 95.08 | EPA TO-15 Certifications: | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/m³ | 52 | 52 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/m³ | 65 | 65 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/m³ | 73 | 73 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/m³ | 52 | 52 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/m³ | 38 | 38 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 75-35-4 | **1,1-Dichloroethylene** | **300** | | ug/m³ | 38 | 38 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/m³ | 71 | 71 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/m³ | 47 | 47 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/m³ | 73 | 73 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/m³ | 57 | 57 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/m³ | 38 | 38 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/m³ | 44 | 44 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 76-14-2 | 1,2-Dichlorotetrafluoroethane | ND | | ug/m³ | 66 | 66 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/m³ | 47 | 47 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 106-99-0 | 1,3-Butadiene | ND | | ug/m³ | 63 | 63 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/m³ | 57 | 57 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 142-28-9 | * 1,3-Dichloropropane | ND | | ug/m³ | 44 | 44 | 95.08 | EPA TO-15 Certifications: | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/m³ | 57 | 57 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/m³ | 69 | 69 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 78-93-3 | 2-Butanone | ND | | ug/m³ | 28 | 28 | 95.08 | EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| 591-78-6 | * 2-Hexanone | ND | | ug/m³ | 78 | 78 | 95.08 | EPA TO-15 Certifications: | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |

## Sample Information

**Client Sample ID:** SS-4 **York Sample ID:** 17C0779-04

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 107-05-1 | 3-Chloropropene | ND | | ug/m³ | 150 | 150 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/m³ | 39 | 39 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 67-64-1 | **Acetone** | **140** | | ug/m³ | 45 | 45 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 107-13-1 | Acrylonitrile | ND | | ug/m³ | 21 | 21 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 71-43-2 | Benzene | ND | | ug/m³ | 30 | 30 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 100-44-7 | Benzyl chloride | ND | | ug/m³ | 49 | 49 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/m³ | 64 | 64 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-25-2 | Bromoform | ND | | ug/m³ | 98 | 98 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 74-83-9 | Bromomethane | ND | | ug/m³ | 37 | 37 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-15-0 | Carbon disulfide | ND | | ug/m³ | 30 | 30 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 56-23-5 | Carbon tetrachloride | ND | | ug/m³ | 15 | 15 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-90-7 | **Chlorobenzene** | **44** | | ug/m³ | 44 | 44 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-00-3 | Chloroethane | ND | | ug/m³ | 25 | 25 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 67-66-3 | **Chloroform** | **1200** | | ug/m³ | 46 | 46 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 74-87-3 | Chloromethane | ND | | ug/m³ | 20 | 20 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 156-59-2 | **cis-1,2-Dichloroethylene** | **160000** | | ug/m³ | 380 | 380 | 951 | EPA TO-15 | 03/27/2017 22:06 | 03/27/2017 22:06 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/m³ | 43 | 43 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 110-82-7 | Cyclohexane | ND | | ug/m³ | 33 | 33 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 124-48-1 | Dibromochloromethane | ND | | ug/m³ | 81 | 81 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/m³ | 47 | 47 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 141-78-6 | * Ethyl acetate | ND | | ug/m³ | 69 | 69 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | | | |
| 100-41-4 | Ethyl Benzene | ND | | ug/m³ | 41 | 41 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

## Sample Information

**Client Sample ID:** SS-4 **York Sample ID:** 17C0779-04

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 87-68-3 | Hexachlorobutadiene | ND | | ug/m³ | 100 | 100 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 67-63-0 | Isopropanol | ND | | ug/m³ | 47 | 47 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 80-62-6 | Methyl Methacrylate | ND | | ug/m³ | 39 | 39 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/m³ | 34 | 34 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-09-2 | Methylene chloride | ND | | ug/m³ | 66 | 66 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 142-82-5 | n-Heptane | ND | | ug/m³ | 39 | 39 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 110-54-3 | n-Hexane | ND | | ug/m³ | 34 | 34 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 95-47-6 | o-Xylene | ND | | ug/m³ | 41 | 41 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/m³ | 83 | 83 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 622-96-8 | * p-Ethyltoluene | ND | | ug/m³ | 47 | 47 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | | | |
| 115-07-1 | * Propylene | ND | | ug/m³ | 16 | 16 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | | | |
| 100-42-5 | Styrene | ND | | ug/m³ | 41 | 41 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 127-18-4 | **Tetrachloroethylene** | **480000** | | ug/m³ | 640 | 640 | 3803 | EPA TO-15 | 03/28/2017 20:54 | 03/28/2017 20:54 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 109-99-9 | * Tetrahydrofuran | ND | | ug/m³ | 56 | 56 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | | | |
| 108-88-3 | Toluene | ND | | ug/m³ | 36 | 36 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 156-60-5 | **trans-1,2-Dichloroethylene** | **1700** | | ug/m³ | 38 | 38 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/m³ | 43 | 43 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 79-01-6 | **Trichloroethylene** | **72000** | | ug/m³ | 130 | 130 | 951 | EPA TO-15 | 03/27/2017 22:06 | 03/27/2017 22:06 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | ND | | ug/m³ | 53 | 53 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-05-4 | Vinyl acetate | ND | | ug/m³ | 33 | 33 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 593-60-2 | Vinyl bromide | ND | | ug/m³ | 42 | 42 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-01-4 | **Vinyl Chloride** | **46** | | ug/m³ | 24 | 24 | 95.08 | EPA TO-15 | 03/24/2017 06:36 | 03/24/2017 06:36 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

## Sample Information

**Client Sample ID:** SS-4 **York Sample ID:** 17C0779-04RE1

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Surrogate Recoveries** | **Result** | | **Acceptance Range** | | | | | | | |
| 460-00-4 | *Surrogate: p-Bromofluorobenzene* | *95.7 %* | | *72-118* | | | | | | | |

## Sample Information

**Client Sample ID:** SS-5 **York Sample ID:** 17C0779-05

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane | ND | | ug/m³ | 17 | 17 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | | | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/m³ | 13 | 13 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/m³ | 17 | 17 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/m³ | 19 | 19 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/m³ | 13 | 13 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/m³ | 10 | 10 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/m³ | 9.7 | 9.7 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/m³ | 18 | 18 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/m³ | 12 | 12 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/m³ | 19 | 19 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/m³ | 15 | 15 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/m³ | 10 | 10 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/m³ | 11 | 11 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 76-14-2 | 1,2-Dichlorotetrafluoroethane | ND | | ug/m³ | 17 | 17 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

## Sample Information

**Client Sample ID:** SS-5 **York Sample ID:** 17C0779-05

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/m³ | 12 | 12 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 106-99-0 | 1,3-Butadiene | ND | | ug/m³ | 16 | 16 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/m³ | 15 | 15 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 142-28-9 | * 1,3-Dichloropropane | ND | | ug/m³ | 11 | 11 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | | | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/m³ | 15 | 15 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 123-91-1 | 1,4-Dioxane | ND | | ug/m³ | 18 | 18 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 78-93-3 | 2-Butanone | ND | | ug/m³ | 7.3 | 7.3 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 591-78-6 | * 2-Hexanone | ND | | ug/m³ | 20 | 20 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | | | |
| 107-05-1 | 3-Chloropropene | ND | | ug/m³ | 38 | 38 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/m³ | 10 | 10 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 67-64-1 | **Acetone** | **39** | | ug/m³ | 12 | 12 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 107-13-1 | Acrylonitrile | ND | | ug/m³ | 5.3 | 5.3 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 71-43-2 | Benzene | ND | | ug/m³ | 7.9 | 7.9 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 100-44-7 | Benzyl chloride | ND | | ug/m³ | 13 | 13 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/m³ | 16 | 16 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-25-2 | Bromoform | ND | | ug/m³ | 25 | 25 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 74-83-9 | Bromomethane | ND | | ug/m³ | 9.5 | 9.5 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-15-0 | Carbon disulfide | ND | | ug/m³ | 7.7 | 7.7 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 56-23-5 | Carbon tetrachloride | ND | | ug/m³ | 3.9 | 3.9 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-90-7 | Chlorobenzene | ND | | ug/m³ | 11 | 11 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-00-3 | Chloroethane | ND | | ug/m³ | 6.5 | 6.5 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

## Sample Information

**Client Sample ID:** SS-5 **York Sample ID:** 17C0779-05

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67-66-3 | Chloroform | ND | | ug/m³ | 12 | 12 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 74-87-3 | Chloromethane | ND | | ug/m³ | 5.1 | 5.1 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/m³ | 9.7 | 9.7 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/m³ | 11 | 11 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 110-82-7 | Cyclohexane | ND | | ug/m³ | 8.5 | 8.5 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 124-48-1 | Dibromochloromethane | ND | | ug/m³ | 21 | 21 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/m³ | 12 | 12 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 141-78-6 | * Ethyl acetate | ND | | ug/m³ | 18 | 18 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | | | |
| 100-41-4 | Ethyl Benzene | ND | | ug/m³ | 11 | 11 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/m³ | 26 | 26 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 67-63-0 | Isopropanol | ND | | ug/m³ | 12 | 12 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 80-62-6 | Methyl Methacrylate | ND | | ug/m³ | 10 | 10 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/m³ | 8.9 | 8.9 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-09-2 | Methylene chloride | ND | | ug/m³ | 17 | 17 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 142-82-5 | n-Heptane | ND | | ug/m³ | 10 | 10 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 110-54-3 | n-Hexane | ND | | ug/m³ | 8.7 | 8.7 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 95-47-6 | o-Xylene | ND | | ug/m³ | 11 | 11 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/m³ | 21 | 21 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 622-96-8 | * p-Ethyltoluene | ND | | ug/m³ | 12 | 12 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | | | |
| 115-07-1 | * Propylene | ND | | ug/m³ | 4.2 | 4.2 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | | | |
| 100-42-5 | Styrene | ND | | ug/m³ | 10 | 10 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

## Sample Information

**Client Sample ID:** SS-5 **York Sample ID:** 17C0779-05

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 127-18-4 | **Tetrachloroethylene** | **1100** | | ug/m³ | 4.2 | 4.2 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 109-99-9 | * Tetrahydrofuran | ND | | ug/m³ | 15 | 15 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | | | |
| 108-88-3 | Toluene | ND | | ug/m³ | 9.3 | 9.3 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/m³ | 9.7 | 9.7 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/m³ | 11 | 11 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 79-01-6 | **Trichloroethylene** | **33** | | ug/m³ | 3.3 | 3.3 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | ND | | ug/m³ | 14 | 14 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-05-4 | Vinyl acetate | ND | | ug/m³ | 8.7 | 8.7 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 593-60-2 | Vinyl bromide | ND | | ug/m³ | 11 | 11 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-01-4 | Vinyl Chloride | ND | | ug/m³ | 6.3 | 6.3 | 24.59 | EPA TO-15 | 03/24/2017 04:15 | 03/24/2017 04:15 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 460-00-4 | *Surrogate: p-Bromofluorobenzene* | *93.8 %* | *72-118* |

## Sample Information

**Client Sample ID:** SV-6 **York Sample ID:** 17C0779-06

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane | ND | | ug/m³ | 71 | 71 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | | | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/m³ | 56 | 56 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/m³ | 71 | 71 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/m³ | 79 | 79 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

## Sample Information

**Client Sample ID:** SV-6 **York Sample ID:** 17C0779-06

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/m³ | 56 | 56 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/m³ | 42 | 42 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/m³ | 41 | 41 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/m³ | 77 | 77 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/m³ | 51 | 51 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/m³ | 79 | 79 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/m³ | 62 | 62 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/m³ | 42 | 42 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/m³ | 48 | 48 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 76-14-2 | 1,2-Dichlorotetrafluoroethane | ND | | ug/m³ | 72 | 72 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/m³ | 51 | 51 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 106-99-0 | 1,3-Butadiene | ND | | ug/m³ | 69 | 69 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/m³ | 62 | 62 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 142-28-9 | * 1,3-Dichloropropane | ND | | ug/m³ | 48 | 48 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | | | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/m³ | 62 | 62 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 123-91-1 | 1,4-Dioxane | ND | | ug/m³ | 75 | 75 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 78-93-3 | 2-Butanone | ND | | ug/m³ | 30 | 30 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 591-78-6 | * 2-Hexanone | ND | | ug/m³ | 85 | 85 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | | | |
| 107-05-1 | 3-Chloropropene | ND | | ug/m³ | 160 | 160 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/m³ | 42 | 42 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 67-64-1 | Acetone | ND | | ug/m³ | 49 | 49 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |

## Sample Information

**Client Sample ID:** SV-6 **York Sample ID:** 17C0779-06

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 107-13-1 | Acrylonitrile | ND | | ug/m³ | 22 | 22 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 71-43-2 | Benzene | ND | | ug/m³ | 33 | 33 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 100-44-7 | Benzyl chloride | ND | | ug/m³ | 54 | 54 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/m³ | 69 | 69 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 75-25-2 | Bromoform | ND | | ug/m³ | 110 | 110 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 74-83-9 | Bromomethane | ND | | ug/m³ | 40 | 40 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 75-15-0 | Carbon disulfide | ND | | ug/m³ | 32 | 32 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 56-23-5 | Carbon tetrachloride | ND | | ug/m³ | 16 | 16 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 108-90-7 | Chlorobenzene | ND | | ug/m³ | 48 | 48 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 75-00-3 | Chloroethane | ND | | ug/m³ | 27 | 27 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 67-66-3 | Chloroform | ND | | ug/m³ | 50 | 50 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 74-87-3 | Chloromethane | ND | | ug/m³ | 21 | 21 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 156-59-2 | **cis-1,2-Dichloroethylene** | **180** | | ug/m³ | 41 | 41 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/m³ | 47 | 47 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 110-82-7 | Cyclohexane | ND | | ug/m³ | 36 | 36 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 124-48-1 | Dibromochloromethane | ND | | ug/m³ | 88 | 88 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/m³ | 51 | 51 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 141-78-6 | * Ethyl acetate | ND | | ug/m³ | 75 | 75 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | | | |
| 100-41-4 | Ethyl Benzene | ND | | ug/m³ | 45 | 45 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/m³ | 110 | 110 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |
| 67-63-0 | Isopropanol | ND | | ug/m³ | 51 | 51 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | | |

## Sample Information

**Client Sample ID:** SV-6 **York Sample ID:** 17C0779-06

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 17C0779 | 9233-KGNY | Soil Vapor | March 21, 2017 3:00 pm | 03/22/2017 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 80-62-6 | Methyl Methacrylate | ND | | ug/m³ | 42 | 42 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/m³ | 37 | 37 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-09-2 | Methylene chloride | ND | | ug/m³ | 72 | 72 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 142-82-5 | n-Heptane | ND | | ug/m³ | 42 | 42 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 110-54-3 | n-Hexane | ND | | ug/m³ | 36 | 36 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 95-47-6 | o-Xylene | ND | | ug/m³ | 45 | 45 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/m³ | 90 | 90 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 622-96-8 | * p-Ethyltoluene | ND | | ug/m³ | 51 | 51 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | | | |
| 115-07-1 | * Propylene | ND | | ug/m³ | 18 | 18 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | | | |
| 100-42-5 | Styrene | ND | | ug/m³ | 44 | 44 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 127-18-4 | **Tetrachloroethylene** | **12000** | | ug/m³ | 18 | 18 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 109-99-9 | * Tetrahydrofuran | ND | | ug/m³ | 61 | 61 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | | | |
| 108-88-3 | Toluene | ND | | ug/m³ | 39 | 39 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/m³ | 41 | 41 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/m³ | 47 | 47 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 79-01-6 | **Trichloroethylene** | **370** | | ug/m³ | 14 | 14 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | ND | | ug/m³ | 58 | 58 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 108-05-4 | Vinyl acetate | ND | | ug/m³ | 36 | 36 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 593-60-2 | Vinyl bromide | ND | | ug/m³ | 45 | 45 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |
| 75-01-4 | Vinyl Chloride | ND | | ug/m³ | 26 | 26 | 103.4 | EPA TO-15 | 03/24/2017 05:02 | 03/24/2017 05:02 | LDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,NELAC-NY10854-Que | | |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 460-00-4 | *Surrogate: p-Bromofluorobenzene* | *91.2 %* | *72-118* |

## Notes and Definitions

| | |
|---|---|
| QL-02 | This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature. |
| CCV-A | The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf ). This applies to dectected analytes only. |

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

# Field Chain-of-Custody Record - AIR

Page ____ of ____

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

**York Project No.** 17C0779

| YOUR Information | Report To: | Invoice To: | YOUR Project ID | Turn-Around Time | Report Type/Deliverables |
|---|---|---|---|---|---|
| Company: Advanced Cleanup Tech | Company: | Company: | 9233- KGNY | RUSH - Same Day ☐ | Summary Report ✓ |
| Address: 110 Main St. Port Washington | Address: SAME | Address: SAME | Purchase Order No. | RUSH - Next Day ☐ | Summary w/ QA Summary |
| Phone No. 516-441-5800 | Phone No. | Phone No. | | RUSH - Two Day ☐ | CT RCP Package |
| Contact Person: Tim Young | Attention: Jessica Lam | Attention: Karn Friedman | | RUSH - Three Day ☐ | NY ASP A Package |
| E-Mail Address: timy@act.earth | E-Mail Address: jessical@act.earth | E-Mail Address: KarnF@act.earth | Samples from: CT___ NY X NJ___ | RUSH - Four Day ☐ | NY ASP B/CLP Pkg |
| | | | | Standard(5-7 Days) X | NJDEP Reduced |
| | | | | | *Electronic Deliverables:* |
| | | | | | EDD (Specify Type) |
| | | | | | Standard Excel |
| | | | | | Regulatory Comparison Excel |

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

Samples Collected/Authorized By (Signature)

Tim Young
Name (printed)

**Air Matrix Codes**

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

Additional Notes:

**Detection Limits Required**

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

**Special Instructions**

**Please enter the following Field Data**

| Sample Identification | Date Sampled | AIR Matrix | Canister Vacuum Before Sampling (in. Hg) | Canister Vacuum After Sampling (in. Hg) | Canister ID | Flow Cont.ID | ANALYSES REQUESTED | Sampling Media |
|---|---|---|---|---|---|---|---|---|
| SS-1 | 3/21/17 | AS | -29 | -9 | Y48 | 5122 | TO-15 | 6 Liter canister ✓ Tedlar Bag |
| SS-2 | " | " | -28 | -7 | Y54 | Y3 | " | 6 Liter canister ✓ Tedlar Bag |
| SS-3 | " | " | -30 | -10 | Y85 | 3351 | " | 6 Liter canister ✓ Tedlar Bag |
| SS-4 | " | " | -30 | -9 | Y67 | 5121 | " | 6 Liter canister ✓ Tedlar Bag |
| SS-5 | " | " | -27 | -8 | Y50 | 7419 | " | 6 Liter canister ✓ Tedlar Bag |
| SV-6 | " | " | -30 | -10 | Y80 | 7420 | " | 6 Liter canister ✓ Tedlar Bag |
| | | | | | | | | 6 Liter canister ___ Tedlar Bag |
| | | | | | | | | 6 Liter canister ___ Tedlar Bag |
| | | | | | | | | 6 Liter canister ___ Tedlar Bag |
| | | | | | | | | 6 Liter canister ___ Tedlar Bag |
| | | | | | | | | 6 Liter canister ___ Tedlar Bag |

Comments

Samples Relinquished By — Date/Time: 3/22/17 9:50 AM

Samples Relinquished By — Date/Time: 3-22-17 21:05

Samples Received By — Date/Time: 3/22/17 9:50 AM

Samples Received in LAB by — Date/Time: 3-22-17 2105