

Advanced Cleanup Technologies, Inc.

ENVIRONMENTAL CONSULTANTS

June 26, 2017

Diane Macari
Lewis & Murphy Realty, Inc.
47 Hillside Avenue
Manhasset, NY 11030

Re: Indoor Air Survey
68-16 to 68-48 Main Street
Kew Gardens, NY 11367

Dear Ms. Macari,

Advanced Cleanup Technologies (ACT) performed an Indoor Air Survey at the above referenced property (the Site) on June 13, 2017. The purpose for the survey was to determine whether a Sub-Slab Depressurization System (SSDS) recently installed beneath the bakery's northern cellar floor effectively prevented chlorinated volatile organic compounds (CVOCs) from impacting indoor air at the property.

Indoor Air Sampling

On June 13, 2017, indoor air samples were collected from the north and south bakery cellars and the cellar beneath the optometrist. In addition, an indoor air sample was collected from an office on the first floor of the bakery. Sampling was performed in general conformity with "Guidance for Evaluating Soil Vapor Intrusion in the State of New York," October 2006 (NYSDOH Guidance). Field notes generated during the sampling event are enclosed.

The indoor air samples were collected by placing 6-Liter stainless steel Summa canisters on surfaces approximately 3 feet above the floor. Each Summa canister was equipped with a flow regulator set to a flow rate of approximately 0.025 liters per minute. The canisters were opened to initiate sampling, which continued for approximately 4 hours until the canisters were almost full and the regulators were closed.

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



Indoor Air Analysis

Table 1 below summarizes the concentrations of CVOCs detected in indoor air samples as compared to NYSDOH Air Guidelines. It can be seen from Table 1 that Tetrachloroethene, Trichloroethene, Carbon Tetrachloride, cis-1,2-Dichloroethene and Methylene Chloride were detected in all of the indoor air samples. However, none of these compounds were found above NYSDOH Air Guidelines in the first floor of the bakery. Furthermore, only PCE was found in the north cellar beneath the bakery where impacted soil was recently discovered, and then only slightly above its NYSDOH Air Guideline. The results confirm that the recently installed SSDS is having a significant effect in preventing impacted soil vapor from entering air inside the building.

It can also be seen from Table 1 that Tetrachloroethene and Trichloroethene were found in air inside the adjacent cellars slightly above NYSDOH Air Guidelines. These results indicate that the existing SSDS is having only limited effect beneath the adjacent commercial units.

The indoor air samples contained other VOCs. However, none were detected above background concentrations in the metropolitan area. Copies of the laboratory reports including the detection limits for all TO-15 VOCs are also enclosed.

Table 1 Chlorinated Volatile Organic Compounds in Indoor Air					
Sample ID Sampling Date	NYSDOH Air Guideline ¹	IA-1 6/13/17	IA-2 6/13/17	IA-3 6/13/17	IA-4 6/13/17
Location		North Bakery Cellar	Bakery 1st Floor	South Bakery Cellar	Optomitrist Cellar
Tetrachloroethene	30	36	16	170	100
Trichloroethene	2	1.7	0.85	11	6.0
Carbon tetrachloride	NA	0.45	0.5	0.48	0.49
1,1-Dichloroethene	NA	ND	ND	ND	ND
cis-1,2-Dichloroethene	NA	0.94	1.1	7.8	4.0
1,1,1-Trichloroethane	NA	ND	ND	ND	ND
Methylene Chloride	60	3.4	3.1	6.3	4.6
Vinyl Chloride	NA	ND	ND	ND	ND
All units in µg/m ³ EPA Method TO-15 Highlighted values signify detection above screening level ND= Compound not detected ¹ Table 3.1 NYSDOH "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (Revised May 2017)					

June 26, 2017
Ms. Diane Macari
Lewis & Murphy Realty, Inc.



Conclusions

The results of the Indoor Air Survey are contained in this report. Based upon this survey, ACT makes the following conclusions and recommendations:

- The existing SSDS is maintaining air quality within NYSDOH Air Guidelines inside the bakery and resulting in only minor exceedances of NYSDOH Air Guidelines in the cellars beneath the adjacent commercial units.
- ACT recommends installing additional SSDS's beneath the commercial units adjacent to the bakery. Verification testing should also be performed to confirm the effectiveness of the proposed modifications.

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

Very truly yours,

A handwritten signature in black ink, appearing to read "P. P. Stewart".

Paul P. Stewart, MS, QEP
President
ASTM-Certified Vapor Encroachment

June 26, 2017
Ms. Diane Macari
Lewis & Murphy Realty, Inc.



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.

9233-KGNY 6/13/17

Vac Test for system (re-use SS points)
+ samples

SS-1 $\rightarrow$ -0.000 - 0.001"

SS-2 $\rightarrow$ -0.006"

SS-3 $\rightarrow$ -0.023"

} Bakery

SS-4 $\rightarrow$ -0.002"

} optical

Blower

INP 42"

Flow 32.5 Ft³/min

Canisters

9233-INP

9233-MID

9233-EFF

} system

bakery

• IA-1 - basement of bakery
above hot spot

• IA-2 - 1st floor office of
bakery

optical { • IA-3 basement of optical
• IA-4 1st floor optical

(11)

960 S. Broadway Hicksville, NY

Date: 6/13/17SAMPLE INFORMATION RECORDPROJECT NO.: 9233-K6NYSampling Personnel: TY PSJob Locations: Main St. Kew Gardens (Bkery)Field Sample Designation: IA-1Time: ~ 9 AMWeather: hot sunnyTemperature: ~ 90'sSAMPLE TYPE:

GROUNDWATER: _____

SEDIMENT: _____

SURFACE WATER: _____

SOIL: _____

AIR: indoor air

OTHER (describe): _____

GROUNDWATER INFORMATION:

Depth to Groundwater: _____

Measurement Method: _____

Depth of well or Sampling Point: _____

Measurement Method: _____

Volume of Groundwater Purged: _____

Purge Method: N/AFIELD TEST RESULTS:

Color: _____

pH: _____

Odor: _____

Temperature (°F/°C): _____

Specific Conductance (µmhos/cm): _____

Other: PID: _____ ppm

Helium Detector: _____ ppm

Canister #: 18317Initial Pressure: -27Start Time: 0925Flow Regulator #: Y30Final Pressure: -8End Time: 1255SAMPLE ANALYSIS:TO-15REMARKS:Basement by "hot spot"indoor air

960 S. Broadway Hicksville, NY

Date: 6/13/17

SAMPLE INFORMATION RECORD

PROJECT NO.: 9233-K6NY Sampling Personnel: TY PS

Job Locations: Main St. Kew Gardens (Bakery)

Field Sample Designation: IA-2 Time: ~ 9 AM

Weather: hot sunny Temperature: ~ 90's

SAMPLE TYPE:

GROUNDWATER: _____

SEDIMENT: _____

SURFACE WATER: _____

SOIL: _____

AIR: indoor air

OTHER (describe): _____

GROUNDWATER INFORMATION:

Depth to Groundwater: _____

Measurement Method: _____

Depth of well or Sampling Point: _____

Measurement Method: _____

Volume of Groundwater Purged: _____

Purge Method: N/A

FIELD TEST RESULTS:

Color: _____

pH: _____

Odor: _____

Temperature (°F/°C): _____

Specific Conductance (µmhos/cm): _____

Other: PID: _____ ppm

Helium Detector: _____ ppm

Canister #: 24109

Initial Pressure: -29

Start Time: 1045

Flow Regulator #: 5417

Final Pressure: -15

End Time: 1430

SAMPLE ANALYSIS:

TO-15 _____

REMARKS:

First floor office 'Bakery'

Indoor Air

* gauge ran very slow

-24 @ 1215

960 S. Broadway Hicksville, NY

Date: 6/13/17SAMPLE INFORMATION RECORDPROJECT NO.: 9233-KGNY Sampling Personnel: TY PSJob Locations: Main St. Kew Gardens (Optical)Field Sample Designation: JA-3 Time: ~9 AMWeather: hot sunny Temperature: ~90'sSAMPLE TYPE:

GROUNDWATER: _____

SEDIMENT: _____

SURFACE WATER: _____

SOIL: _____

AIR: indoor air

OTHER (describe): _____

GROUNDWATER INFORMATION:

Depth to Groundwater: _____

Measurement Method: _____

Depth of well or Sampling Point: _____

Measurement Method: _____

Volume of Groundwater Purged: _____

Purge Method: N/AFIELD TEST RESULTS:

Color: _____

pH: _____

Odor: _____

Temperature (°F/°C): _____

Specific Conductance (µmhos/cm): _____

Other: PID: _____ ppm

Helium Detector: _____ ppm

Canister #: 18298Initial Pressure: -29Start Time: 0933Flow Regulator #: 5416Final Pressure: -4End Time: 1300SAMPLE ANALYSIS:TO-15

REMARKS:

Basement of Optical
indoor air-11 @ 1215

960 S. Broadway Hicksville, NY

Date: 6/13/17

SAMPLE INFORMATION RECORD

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

Job Locations: Main St. Kew Gardens (Optical)

Field Sample Designation: IA-4 Time: ~9 AM

Weather: hot sunny Temperature: ~90's

SAMPLE TYPE:

GROUNDWATER: _____ SEDIMENT: _____

SURFACE WATER: _____ SOIL: _____

AIR: indoor air OTHER (describe): _____

GROUNDWATER INFORMATION:

Depth to Groundwater: _____ Measurement Method: _____

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

Volume of Groundwater Purged: _____ Purge Method: N/A

FIELD TEST RESULTS:

Color: _____ pH: _____ Odor: _____

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

Other: PID: _____ ppm Helium Detector: _____ ppm

Canister #: 18316 Initial Pressure: -29 Start Time: 0935

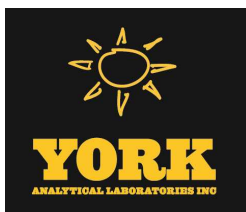
Flow Regulator #: 5613 Final Pressure: -10 End Time: 1340

SAMPLE ANALYSIS:

T0-15 _____

REMARKS:

First Floor optical



Technical Report

prepared for:

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

Report Date: 06/19/2017
Client Project ID: 9233-KGNY
York Project (SDG) No.: 17F0521

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 06/19/2017
Client Project ID: 9233-KGNY
York Project (SDG) No.: 17F0521

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

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 June 14, 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
17F0521-01	IA-1	Indoor Ambient Air	06/13/2017	06/14/2017
17F0521-02	IA-2	Indoor Ambient Air	06/13/2017	06/14/2017
17F0521-03	IA-3	Indoor Ambient Air	06/13/2017	06/14/2017
17F0521-04	IA-4	Indoor Ambient Air	06/13/2017	06/14/2017
17F0521-05	9233-Inf	Vapor Extraction	06/13/2017	06/14/2017
17F0521-06	9233-Mid	Vapor Extraction	06/13/2017	06/14/2017
17F0521-07	9233-Eff	Vapor Extraction	06/13/2017	06/14/2017

General Notes for York Project (SDG) No.: 17F0521

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:



Benjamin Gulizia
Laboratory Director

Date: 06/19/2017





Sample Information

Client Sample ID: IA-1

York Sample ID: 17F0521-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17F0521

9233-KGNY

Indoor Ambient Air

June 13, 2017 3:00 pm

06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.82	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.65	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.82	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.91	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.65	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.48	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.47	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.88	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
95-63-6	1,2,4-Trimethylbenzene	9.3		ug/m ³	0.58	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.91	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.71	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.48	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.55	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.83	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
108-67-8	1,3,5-Trimethylbenzene	2.5		ug/m ³	0.58	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.79	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.71	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.55	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.71	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.86	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
78-93-3	2-Butanone	18		ug/m ³	0.35	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS



Sample Information

Client Sample ID: IA-1

York Sample ID: 17F0521-01

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Indoor Ambient Air

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m ³	0.97	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	1.9	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.49	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
67-64-1	Acetone	240		ug/m ³	11	22.3	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 13:20	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.26	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
71-43-2	Benzene	7.0		ug/m ³	0.38	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.62	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.80	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
75-25-2	Bromoform	ND		ug/m ³	1.2	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.46	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
75-15-0	Carbon disulfide	3.4		ug/m ³	0.37	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
56-23-5	Carbon tetrachloride	0.45		ug/m ³	0.19	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.55	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.31	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
67-66-3	Chloroform	1.9		ug/m ³	0.58	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
74-87-3	Chloromethane	1.7		ug/m ³	0.25	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
156-59-2	cis-1,2-Dichloroethylene	0.94		ug/m ³	0.47	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.54	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
110-82-7	Cyclohexane	3.2		ug/m ³	0.41	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.0	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
75-71-8	Dichlorodifluoromethane	2.9		ug/m ³	0.59	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS
141-78-6	* Ethyl acetate	9.0		ug/m ³	0.86	1.189	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 02:36	LDS



Sample Information

Client Sample ID: IA-1

York Sample ID: 17F0521-01

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Indoor Ambient Air

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	5.7		ug/m ³	0.52	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.3	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
67-63-0	Isopropanol	1.6		ug/m ³	0.58	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
80-62-6	Methyl Methacrylate	4.4		ug/m ³	0.49	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.43	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
75-09-2	Methylene chloride	3.4		ug/m ³	0.83	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
142-82-5	n-Heptane	6.2		ug/m ³	0.49	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
110-54-3	n-Hexane	15		ug/m ³	0.42	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
95-47-6	o-Xylene	6.7		ug/m ³	0.52	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
179601-23-1	p- & m- Xylenes	21		ug/m ³	1.0	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
622-96-8	* p-Ethyltoluene	8.0		ug/m ³	0.58	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
115-07-1	* Propylene	3.6		ug/m ³	0.20	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
100-42-5	Styrene	ND		ug/m ³	0.51	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
127-18-4	Tetrachloroethylene	36		ug/m ³	0.20	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
109-99-9	* Tetrahydrofuran	18		ug/m ³	0.70	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
108-88-3	Toluene	28		ug/m ³	0.45	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.47	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.54	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
79-01-6	Trichloroethylene	1.7		ug/m ³	0.16	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.6		ug/m ³	0.67	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.42	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.52	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.30	1.189	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 02:36	LDS



Sample Information

Client Sample ID: IA-1

York Sample ID: 17F0521-01

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Indoor Ambient Air

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	94.4 %	72-118							

Sample Information

Client Sample ID: IA-2

York Sample ID: 17F0521-02

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Indoor Ambient Air

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

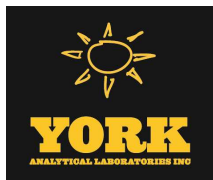
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.588	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 03:46	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.87	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.87	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.64	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.63	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
95-63-6	1,2,4-Trimethylbenzene	2.5		ug/m ³	0.78	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.95	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.64	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.73	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS



Sample Information

Client Sample ID: IA-2

York Sample ID: 17F0521-02

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Indoor Ambient Air

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

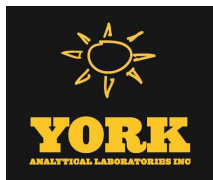
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.78	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.95	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.73	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.95	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
78-93-3	2-Butanone	4.3		ug/m ³	0.47	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	2.5	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.65	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
67-64-1	Acetone	680		ug/m ³	14	29.78	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/15/2017 19:23	06/15/2017 19:23	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.34	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
71-43-2	Benzene	0.91		ug/m ³	0.51	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.82	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
75-25-2	Bromoform	ND		ug/m ³	1.6	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.62	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
75-15-0	Carbon disulfide	2.6		ug/m ³	0.49	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
56-23-5	Carbon tetrachloride	0.50		ug/m ³	0.25	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.73	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.42	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
67-66-3	Chloroform	1.5		ug/m ³	0.78	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS



Sample Information

Client Sample ID: IA-2

York Sample ID: 17F0521-02

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Indoor Ambient Air

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	1.7		ug/m ³	0.33	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
156-59-2	cis-1,2-Dichloroethylene	1.1		ug/m ³	0.63	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.72	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
110-82-7	Cyclohexane	ND		ug/m ³	0.55	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
75-71-8	Dichlorodifluoromethane	2.2		ug/m ³	0.79	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
141-78-6	* Ethyl acetate	15		ug/m ³	1.1	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
100-41-4	Ethyl Benzene	0.69		ug/m ³	0.69	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.7	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
67-63-0	Isopropanol	ND		ug/m ³	0.78	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
80-62-6	Methyl Methacrylate	1.8		ug/m ³	0.65	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.57	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
75-09-2	Methylene chloride	3.1		ug/m ³	1.1	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
142-82-5	n-Heptane	0.91		ug/m ³	0.65	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
110-54-3	n-Hexane	1.2		ug/m ³	0.56	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
95-47-6	o-Xylene	0.97		ug/m ³	0.69	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
179601-23-1	p- & m- Xylenes	2.4		ug/m ³	1.4	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
622-96-8	* p-Ethyltoluene	1.6		ug/m ³	0.78	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
115-07-1	* Propylene	8.9		ug/m ³	0.27	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
100-42-5	Styrene	ND		ug/m ³	0.68	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
127-18-4	Tetrachloroethylene	16		ug/m ³	0.27	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
109-99-9	* Tetrahydrofuran	1.2		ug/m ³	0.94	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
108-88-3	Toluene	5.6		ug/m ³	0.60	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS



Sample Information

Client Sample ID: IA-2

York Sample ID: 17F0521-02

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Indoor Ambient Air

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.63	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.72	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
79-01-6	Trichloroethylene	0.85		ug/m ³	0.21	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.4		ug/m ³	0.89	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.56	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.69	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.41	1.588	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 03:46	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	95.0 %	72-118							

Sample Information

Client Sample ID: IA-3

York Sample ID: 17F0521-03

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Indoor Ambient Air

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.74	1.084	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 04:55	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.59	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.74	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.83	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.59	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.44	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.43	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS



Sample Information

Client Sample ID: IA-3

York Sample ID: 17F0521-03

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Indoor Ambient Air

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.80	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
95-63-6	1,2,4-Trimethylbenzene	3.6		ug/m ³	0.53	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.83	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.65	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.44	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.50	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.76	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
108-67-8	1,3,5-Trimethylbenzene	0.80		ug/m ³	0.53	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.72	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.65	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.50	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.65	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.78	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
78-93-3	2-Butanone	4.4		ug/m ³	0.32	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	0.89	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	1.7	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.44	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
67-64-1	Acetone	610		ug/m ³	9.7	20.32	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/15/2017 20:25	06/15/2017 20:25	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.24	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
71-43-2	Benzene	1.8		ug/m ³	0.35	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.56	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.73	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS



Sample Information

Client Sample ID: IA-3

York Sample ID: 17F0521-03

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Indoor Ambient Air

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/m ³	1.1	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.42	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
75-15-0	Carbon disulfide	0.37		ug/m ³	0.34	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
56-23-5	Carbon tetrachloride	0.48		ug/m ³	0.17	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.50	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.29	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
67-66-3	Chloroform	1.8		ug/m ³	0.53	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
74-87-3	Chloromethane	1.7		ug/m ³	0.22	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
156-59-2	cis-1,2-Dichloroethylene	7.8		ug/m ³	0.43	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.49	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
110-82-7	Cyclohexane	0.56		ug/m ³	0.37	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	0.92	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
75-71-8	Dichlorodifluoromethane	2.3		ug/m ³	0.54	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
141-78-6	* Ethyl acetate	22		ug/m ³	0.78	1.084	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 04:55	LDS
100-41-4	Ethyl Benzene	1.2		ug/m ³	0.47	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.2	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
67-63-0	Isopropanol	ND		ug/m ³	0.53	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
80-62-6	Methyl Methacrylate	10		ug/m ³	0.44	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.39	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
75-09-2	Methylene chloride	6.3		ug/m ³	0.75	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
142-82-5	n-Heptane	1.9		ug/m ³	0.44	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
110-54-3	n-Hexane	1.9		ug/m ³	0.38	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS



Sample Information

Client Sample ID: IA-3

York Sample ID: 17F0521-03

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Indoor Ambient Air

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	1.6		ug/m ³	0.47	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
179601-23-1	p- & m- Xylenes	4.1		ug/m ³	0.94	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
622-96-8	* p-Ethyltoluene	2.1		ug/m ³	0.53	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
115-07-1	* Propylene	2.7		ug/m ³	0.19	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
100-42-5	Styrene	0.55		ug/m ³	0.46	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
127-18-4	Tetrachloroethylene	170		ug/m ³	0.18	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
109-99-9	* Tetrahydrofuran	1.4		ug/m ³	0.64	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
108-88-3	Toluene	12		ug/m ³	0.41	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.43	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.49	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
79-01-6	Trichloroethylene	11		ug/m ³	0.15	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.7		ug/m ³	0.61	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.38	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.47	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.28	1.084	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 04:55	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	98.4 %	72-118							

Sample Information

Client Sample ID: IA-4

York Sample ID: 17F0521-04

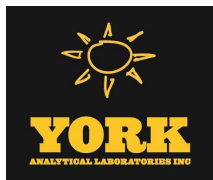
York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Indoor Ambient Air

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017



Sample Information

Client Sample ID: IA-4

York Sample ID: 17F0521-04

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Indoor Ambient Air

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.76	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.60	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.76	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.85	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.60	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.45	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.44	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.82	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
95-63-6	1,2,4-Trimethylbenzene	2.8		ug/m ³	0.54	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.85	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.66	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.45	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.51	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.77	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
108-67-8	1,3,5-Trimethylbenzene	0.81		ug/m ³	0.54	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.73	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.66	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.51	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.66	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.80	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
78-93-3	2-Butanone	5.5		ug/m ³	0.33	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	0.90	1.104	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 06:05	LDS



Sample Information

Client Sample ID: IA-4

York Sample ID: 17F0521-04

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Indoor Ambient Air

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.7	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.45	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
67-64-1	Acetone	450		ug/m ³	9.8	20.71	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/15/2017 21:26	06/15/2017 21:26	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.24	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
71-43-2	Benzene	1.9		ug/m ³	0.35	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.57	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.74	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
75-25-2	Bromoform	ND		ug/m ³	1.1	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.43	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
75-15-0	Carbon disulfide	0.38		ug/m ³	0.34	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
56-23-5	Carbon tetrachloride	0.49		ug/m ³	0.17	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.51	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.29	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
67-66-3	Chloroform	1.5		ug/m ³	0.54	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
74-87-3	Chloromethane	1.8		ug/m ³	0.23	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
156-59-2	cis-1,2-Dichloroethylene	4.0		ug/m ³	0.44	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.50	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
110-82-7	Cyclohexane	0.57		ug/m ³	0.38	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	0.94	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
75-71-8	Dichlorodifluoromethane	2.2		ug/m ³	0.55	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
141-78-6	* Ethyl acetate	17		ug/m ³	0.80	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
100-41-4	Ethyl Benzene	1.5		ug/m ³	0.48	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS



Sample Information

Client Sample ID: IA-4

York Sample ID: 17F0521-04

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Indoor Ambient Air

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

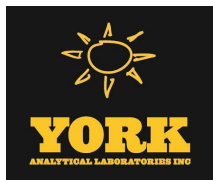
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.2	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
67-63-0	Isopropanol	12		ug/m ³	0.54	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
80-62-6	Methyl Methacrylate	6.5		ug/m ³	0.45	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.40	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
75-09-2	Methylene chloride	4.6		ug/m ³	0.77	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
142-82-5	n-Heptane	1.9		ug/m ³	0.45	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
110-54-3	n-Hexane	2.5		ug/m ³	0.39	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
95-47-6	o-Xylene	1.8		ug/m ³	0.48	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
179601-23-1	p- & m- Xylenes	4.8		ug/m ³	0.96	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
622-96-8	* p-Ethyltoluene	2.4		ug/m ³	0.54	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
115-07-1	* Propylene	2.5		ug/m ³	0.19	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
100-42-5	Styrene	0.71		ug/m ³	0.47	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
127-18-4	Tetrachloroethylene	100		ug/m ³	0.19	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
109-99-9	* Tetrahydrofuran	2.8		ug/m ³	0.65	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
108-88-3	Toluene	11		ug/m ³	0.42	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.44	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.50	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
79-01-6	Trichloroethylene	6.0		ug/m ³	0.15	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.8		ug/m ³	0.62	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.39	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.48	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.28	1.104	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 06:05	LDS
Surrogate Recoveries		Result	Acceptance Range							



Sample Information

Client Sample ID: IA-4

York Sample ID: 17F0521-04

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Indoor Ambient Air

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	Surrogate: p-Bromofluorobenzene	98.3 %			72-118					

Sample Information

Client Sample ID: 9233-Inf

York Sample ID: 17F0521-05

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Vapor Extraction

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

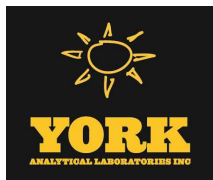
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	12	18.19	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 08:17	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	9.9	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	12	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	14	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	9.9	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	7.4	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	7.2	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	13	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	8.9	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	14	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	11	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	7.4	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	8.4	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	13	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS



Sample Information

Client Sample ID: 9233-Inf

York Sample ID: 17F0521-05

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Vapor Extraction

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	8.9	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	12	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	11	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	8.4	18.19	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 08:17	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	11	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	13	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
78-93-3	2-Butanone	450		ug/m ³	5.4	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	15	18.19	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 08:17	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	28	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	7.5	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
67-64-1	Acetone	110		ug/m ³	8.6	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	3.9	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
71-43-2	Benzene	ND		ug/m ³	5.8	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	9.4	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	12	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
75-25-2	Bromoform	ND		ug/m ³	19	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
74-83-9	Bromomethane	ND		ug/m ³	7.1	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	5.7	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.9	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	8.4	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
75-00-3	Chloroethane	ND		ug/m ³	4.8	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
67-66-3	Chloroform	12		ug/m ³	8.9	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS



Sample Information

Client Sample ID: 9233-Inf

York Sample ID: 17F0521-05

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Vapor Extraction

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/m ³	3.8	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
156-59-2	cis-1,2-Dichloroethylene	620		ug/m ³	7.2	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	8.3	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
110-82-7	Cyclohexane	ND		ug/m ³	6.3	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	15	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	9.0	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	13	18.19	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 08:17	LDS
100-41-4	Ethyl Benzene	ND		ug/m ³	7.9	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	19	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
67-63-0	Isopropanol	ND		ug/m ³	8.9	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	7.4	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.6	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
75-09-2	Methylene chloride	ND		ug/m ³	13	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
142-82-5	n-Heptane	ND		ug/m ³	7.5	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
110-54-3	n-Hexane	ND		ug/m ³	6.4	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
95-47-6	o-Xylene	ND		ug/m ³	7.9	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	16	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	8.9	18.19	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 08:17	LDS
115-07-1	* Propylene	8.5		ug/m ³	3.1	18.19	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 08:17	LDS
100-42-5	Styrene	26		ug/m ³	7.7	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
127-18-4	Tetrachloroethylene	6100		ug/m ³	3.1	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
109-99-9	* Tetrahydrofuran	170		ug/m ³	11	18.19	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 08:17	LDS



Sample Information

Client Sample ID: 9233-Inf

York Sample ID: 17F0521-05

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Vapor Extraction

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/m ³	6.9	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
156-60-5	trans-1,2-Dichloroethylene	7.9		ug/m ³	7.2	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	8.3	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
79-01-6	Trichloroethylene	810		ug/m ³	2.4	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	10	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	6.4	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	8.0	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	4.6	18.19	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 08:17	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	99.6 %	72-118							

Sample Information

Client Sample ID: 9233-Mid

York Sample ID: 17F0521-06

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Vapor Extraction

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	14	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 09:18	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	11	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	14	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	15	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	11	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	8.2	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS



Sample Information

Client Sample ID: 9233-Mid

York Sample ID: 17F0521-06

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Vapor Extraction

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

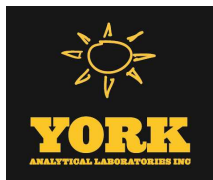
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	8.0	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	15	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	9.9	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	15	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	12	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	8.2	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	9.3	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	14	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	9.9	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	13	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	12	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	9.3	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 09:18	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	12	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	15	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
78-93-3	2-Butanone	47		ug/m ³	5.9	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	17	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 09:18	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	32	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	8.3	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
67-64-1	Acetone	23		ug/m ³	9.6	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	4.4	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
71-43-2	Benzene	ND		ug/m ³	6.4	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	10	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS



Sample Information

Client Sample ID: 9233-Mid

York Sample ID: 17F0521-06

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Vapor Extraction

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

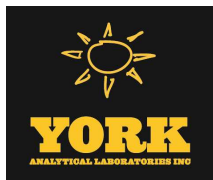
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/m ³	14	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
75-25-2	Bromoform	ND		ug/m ³	21	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
74-83-9	Bromomethane	ND		ug/m ³	7.8	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	6.3	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.2	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	9.3	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
75-00-3	Chloroethane	ND		ug/m ³	5.3	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
67-66-3	Chloroform	ND		ug/m ³	9.8	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
74-87-3	Chloromethane	ND		ug/m ³	4.2	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	8.0	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	9.1	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
110-82-7	Cyclohexane	ND		ug/m ³	6.9	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	17	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	10	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	15	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
100-41-4	Ethyl Benzene	ND		ug/m ³	8.8	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	22	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
67-63-0	Isopropanol	ND		ug/m ³	9.9	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	8.3	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	7.3	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
75-09-2	Methylene chloride	ND		ug/m ³	14	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS



Sample Information

Client Sample ID: 9233-Mid

York Sample ID: 17F0521-06

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Vapor Extraction

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

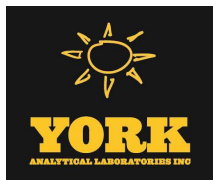
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
142-82-5	n-Heptane	ND		ug/m ³	8.3	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
110-54-3	n-Hexane	ND		ug/m ³	7.1	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
95-47-6	o-Xylene	ND		ug/m ³	8.8	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	18	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	9.9	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 09:18	LDS
115-07-1	* Propylene	10		ug/m ³	3.5	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 09:18	LDS
100-42-5	Styrene	ND		ug/m ³	8.6	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
127-18-4	Tetrachloroethylene	70		ug/m ³	3.4	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
109-99-9	* Tetrahydrofuran	42		ug/m ³	12	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 09:18	LDS
108-88-3	Toluene	ND		ug/m ³	7.6	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	8.0	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	9.1	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
79-01-6	Trichloroethylene	5.4		ug/m ³	2.7	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	11	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	7.1	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	8.8	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	5.2	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 09:18	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	94.2 %	72-118							



Sample Information

Client Sample ID: 9233-Eff

York Sample ID: 17F0521-07

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Vapor Extraction

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	14	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	11	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	14	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	15	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	11	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	8.2	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	8.0	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	15	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	9.9	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	15	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	12	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	8.2	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	9.3	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	14	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	9.9	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	13	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	12	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	9.3	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	12	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	15	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
78-93-3	2-Butanone	ND		ug/m ³	5.9	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS



Sample Information

Client Sample ID: 9233-Eff

York Sample ID: 17F0521-07

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Vapor Extraction

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m ³	17	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	32	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	8.3	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
67-64-1	Acetone	ND		ug/m ³	9.6	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	4.4	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
71-43-2	Benzene	ND		ug/m ³	6.4	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	10	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	14	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
75-25-2	Bromoform	ND		ug/m ³	21	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
74-83-9	Bromomethane	ND		ug/m ³	7.8	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	6.3	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.2	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	9.3	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
75-00-3	Chloroethane	ND		ug/m ³	5.3	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
67-66-3	Chloroform	ND		ug/m ³	9.8	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
74-87-3	Chloromethane	ND		ug/m ³	4.2	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	8.0	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	9.1	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
110-82-7	Cyclohexane	ND		ug/m ³	6.9	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	17	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	10	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS



Sample Information

Client Sample ID: 9233-Eff

York Sample ID: 17F0521-07

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Vapor Extraction

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* Ethyl acetate	ND		ug/m ³	15	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
100-41-4	Ethyl Benzene	ND		ug/m ³	8.8	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	22	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
67-63-0	Isopropanol	ND		ug/m ³	9.9	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	8.3	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	7.3	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
75-09-2	Methylene chloride	ND		ug/m ³	14	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
142-82-5	n-Heptane	ND		ug/m ³	8.3	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
110-54-3	n-Hexane	ND		ug/m ³	7.1	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
95-47-6	o-Xylene	ND		ug/m ³	8.8	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	18	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	9.9	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
115-07-1	* Propylene	6.2		ug/m ³	3.5	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
100-42-5	Styrene	ND		ug/m ³	8.6	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
127-18-4	Tetrachloroethylene	23		ug/m ³	3.4	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	12	20.16	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 10:20	LDS
108-88-3	Toluene	ND		ug/m ³	7.6	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	8.0	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	9.1	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	2.7	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	11	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	7.1	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS



Sample Information

Client Sample ID: 9233-Eff

York Sample ID: 17F0521-07

York Project (SDG) No.
17F0521

Client Project ID
9233-KGNY

Matrix
Vapor Extraction

Collection Date/Time
June 13, 2017 3:00 pm

Date Received
06/14/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m ³	8.8	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	5.2	20.16	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 10:20	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	92.7 %	72-118							





Notes and Definitions

E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.

* Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.

ND NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

LOQ LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.

LOD LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.

MDL METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.

Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



YORK
ANALYTICAL LABORATORIES INC.

Field Chain-of-Custody Record - AIR

Page 1 of 17
York Project No. 17F0521

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.

YOUR Information Company: <u>Advanced Cleanup Tech</u> Address: <u>110 Main St.</u> <u>Port Washington, NY</u> Phone No. <u>516-441-5800</u> Contact Person: <u>Tim Yang</u> E-Mail Address: <u>tim@act.enrth</u>		Report To: Company: <u>ACT</u> Address: <u>"</u> Phone No. <u>"</u> Attention: <u>Paul Stewart</u> E-Mail Address: <u>Pauls@act.enrth</u>		Invoice To: Company: <u>ACT</u> Address: <u>"</u> Phone No. <u>"</u> Attention: <u>Karen Friedman</u> E-Mail Address: <u>Karen@act.enrth</u>		YOUR Project ID <u>9233-KGNY</u> Purchase Order No. Samples from: CT <u>"</u> NY <u>"</u> NJ <u>"</u>		Turn-Around Time RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☒ RUSH - Four Day ☐ Standard (5-7 Days) ☐ Detection Limits Required $\leq 1 \text{ ug/m}^3$ NYSDEC VI Limits (VI = vapor intrusion) NJDEP low level Routine Survey Other		Report Type/Deliverables Summary Report Summary w/ QA Summary CT RCP Package NY ASP A Package NY ASP B/CLP Pkg NJDEP Reduced Electronic Deliverables: EDD (Specify Type) Standard Excel Regulatory Comparison Excel	
--	--	---	--	--	--	--	--	---	--	---	--

Additional Notes:

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.

Air Matrix Codes

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

Samples Collected/Authorized By (Signature)

Tim Yang
Name (printed)

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
IA-1	6/13/17	AI	-27	-8	18317	Y30	TD-15	6 Liter canister Tedlar Bag ✓
IA-2	"	"	-29	-15	24109	5417	"	6 Liter canister Tedlar Bag ✓
IA-3	"	"	-29	-4	18298	5416	"	6 Liter canister Tedlar Bag ✓
IA-4	"	"	-29	-10	18316	5613	"	6 Liter canister Tedlar Bag ✓
9233-INV	"	AE	-30	-4	18302	X	"	6 Liter canister Tedlar Bag ✓
9233-MIP	"	"	-30	-4	22079	X	"	6 Liter canister Tedlar Bag ✓
9233-EFF	"	"	-30	-4	15522	X	"	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
								6 Liter canister Tedlar Bag

Comments

Flow regulators removed for these sample + returned w/ canisters

Samples Relinquished By Jerry Date/Time 6/14/17 11:00 AM

Samples Received By Bob Date/Time 6-14-17 1:00 PM
 Samples Received in LAB by Bob Date/Time 6-14-17 1:00 PM