

March 22, 2017

Anthony J. Colavita
Town of Eastchester
75 White Plains Road, #1
Eastchester, New York 10709

via e-mail: acolavita@eastchester.org

Re: Letter Report of Ambient Air Quality Sampling conducted in the Town of Eastchester,
Westchester County, New York
WCD File: EE17024.30

Dear Mr. Colavita,

This Letter Report of Ambient Air Quality Sampling (Letter Report) summarizes the results of outdoor air quality sampling conducted on February 16 and March 3, 2017 by WCD Group, LLC (WCD) in the Town of Eastchester.

Overview

Remedial activities are currently underway at the Former Marble Quarry Landfill Site located at Marbledale Road (NYSDEC Brownfield Cleanup Program [BCP] Site No. C360143). WCD conducted two rounds of air quality sampling on February 16 and March 3, 2017, in a residential area east of the BCP Site. Round one was conducted to establish “baseline” conditions for ambient air (site work for that day consisted of backfilling of excavation areas with clean fill and movement of soils that are slated to remain on-site). Round two was conducted during the excavation of impacted materials intended to be disposed off-site, which could potentially release elevated concentrations of volatile organic compounds (VOCs) into the air in the surrounding neighborhood.

Fieldwork Methodology

Sampling was conducted east of the BCP Site at, and in the general vicinity of, Hall Avenue. Air sampling was conducted in general conformance with applicable protocols set forth in the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH Guidance), dated October 2006. A Fieldwork Map indicating the BCP Site and all sampling locations is provided as Attachment A.

All samples were collected into laboratory supplied 6-liter Summa Canisters equipped with 8-hour flow regulators, which were placed on secured tripods at a height of approximately five feet above the ground surface (within the “breathing zone”). All sampling canisters were located away from areas that could potentially contain point sources of VOCs, such as waste receptacles. Sampling locations were periodically inspected (approximately every 30 minutes) to ensure proper operation of the sampling canisters and control valves. All sampling valves were properly closed after a sampling period of approximately 8 hours, with each canister maintaining a final negative internal pressure.

Samples were transported on February 20 and March 7, 2017 via courier to York Analytical Laboratories, Inc. (NYSDOH ELAP Certification Number 10854) for analysis. Appropriate chain-of-custody procedures were followed. All samples were submitted for analysis of VOCs utilizing USEPA Method TO-15.

A. J. Colavita
March 22, 2017
WCD File: EE17024.30
Page 2 of 3

Laboratory Results

Laboratory results are discussed below. A data summary table is provided as Attachment B and a complete copy of the laboratory data package is included as Attachment C.

Note: The NYSDOH uses background levels when initially evaluating air quality data. The term "background level", as defined in this Letter Report, is the concentration of a contaminant that is likely to be found in air, and is most appropriately expressed as a range of values. For purposes of data presentation, however, discreet background values (25th percentile data, based on a NYSDOH study¹) are noted in the laboratory data table. Where analytes are detected, the reported "upper fence" values (calculated values used to indicate data outliers) are provided to help identify likely significant air contamination. Ambient contaminant concentration ranges are expected to be higher in densely developed areas (such as the Town of Eastchester), especially in and near commercial/industrial zones and transportation corridors.

Several solvents and petroleum related VOCs were detected in all samples, consistent with the urban nature of the sampling area. Trichloroethylene (TCE) was above the upper fence value (0.5 µg/m³) at concentrations of 12 µg/m³ in Round 1 and 14 µg/m³ in Round 2, respectively, at AQ-1 (Hall Avenue close to Marbledale Road), with slight exceedances of upper fence values at AQ-2 and AQ-3 in Round 2. Methylene chloride was marginally below the upper fence at AQ-3, and above the upper fence at AQ-4, in Round 2. No other exceedances of upper fence values were reported. All other detected concentrations of VOCs were well within expected background levels.

A total of 18 compounds were detected in air samples during both sampling rounds. Of these, the following were identified at the BCP Site at levels indicating a potential concern: benzene, Freon 11, Freon 12, hexane, tetrachloroethylene (PCE), TCE, toluene and xylene. None of the above chemicals were detected in elevated concentrations in any of the sampled locations, with the exception of TCE. TCE values are suggestive of a local source area for these compounds (potentially from the landfill or one of several commercial facilities on Marbledale Road).

Conclusions

Current data document the presence of several VOCs in the outdoor air throughout the area east of the BCP Site, consistent with values typically encountered in urban settings. No significant differences between Round 1 and Round 2 have been noted. Relatively elevated concentrations of TCE, identified as a concern at the BCP Site, were detected; these values, however, represent concentrations typical for commercial or industrial zones and the absence of any meaningful change in concentrations between rounds suggests that the source of this compound is not the BCP Site.

There is no evidence of a significant impact in the area east of the BCP Site that is likely to have been caused by remedial activities.

¹ NYSDOH Guidance, Table C1. NYSDOH 2003: Study of volatile organic chemicals in air of fuel oil heated homes.

A. J. Colavita
March 22, 2017
WCD File: EE17024.30
Page 3 of 3

Please review this document and contact me at (845) 452-1658 should you have any questions or require additional information.

Sincerely,

ECOSYSTEMS STRATEGIES
a WCD Group Company



Paul H. Ciminello
Executive Vice President

Attachments:

- A - Fieldwork Map
- B - Laboratory Data Tables
- C - Laboratory Report

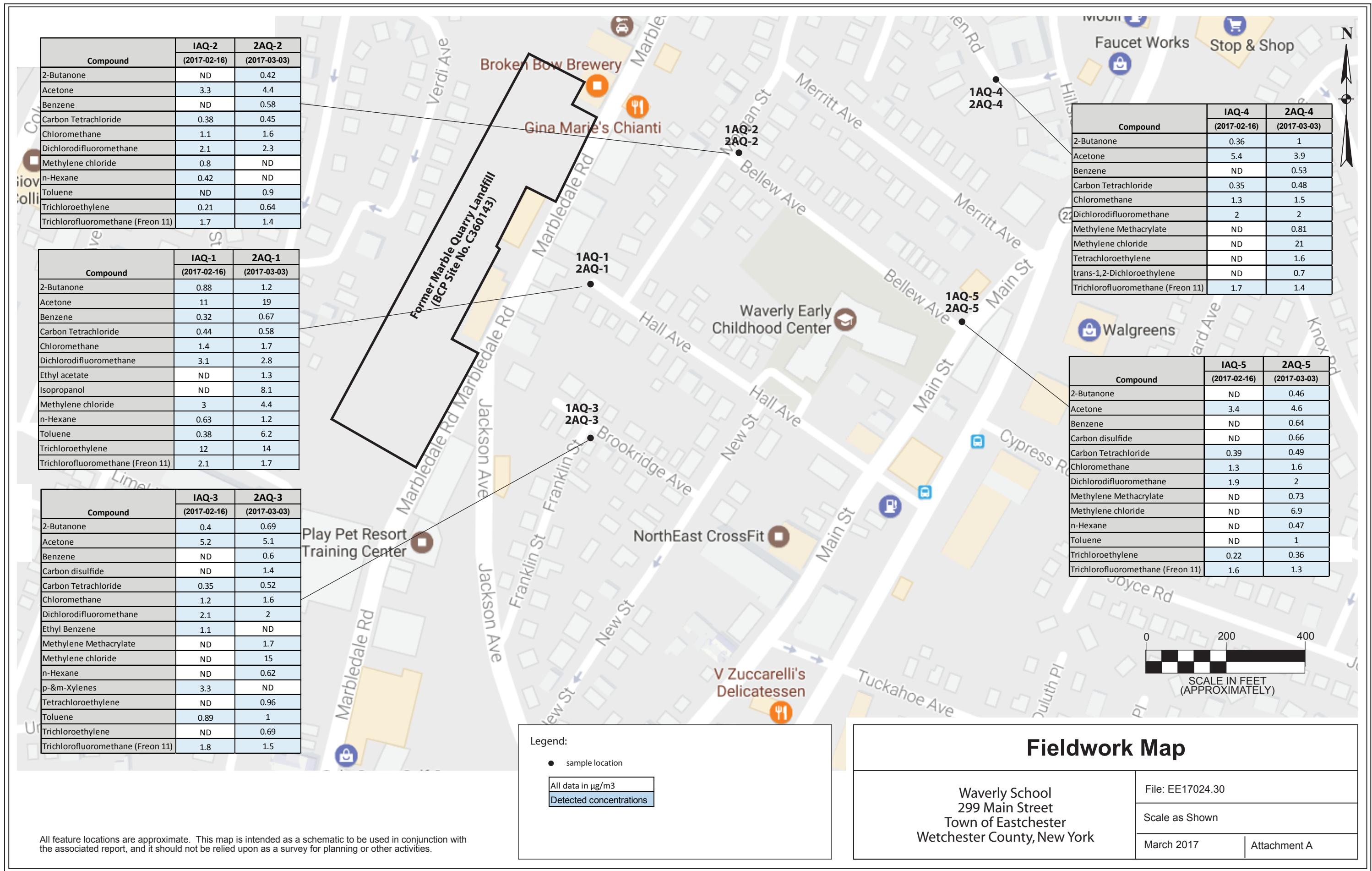


Table 1: VOCs in Air

All data in $\mu\text{g}/\text{m}^3$ U= Not Detected ≥ value	Sample ID Sample Date Dilution Factor	1AQ-1		2AQ-1		1AQ-2		2AQ-2		1AQ-3		2AQ-3		1AQ-4		2AQ-4		1AQ-5		2AQ-5	
		(2017-02-16)		(2017-03-03)		(2017-02-16)		(2017-03-03)		(2017-02-16)		(2017-03-03)		(2017-02-16)		(2017-03-03)		(2017-02-16)		(2017-03-03)	
		1	1.1611	1	1.2	1.12	1.1754	1.12	1.101	1.0994	1.046	1.0994	1.046	1.0994	1.046	1.0994	1.046	1.0994	1.046	1.0994	1.046
VOCs, TO-15	Background	Result	Qualifier																		
1,1,1,2-Tetrachloroethane	~	0.69	U	0.8	U	0.69	U	0.82	U	0.77	U	0.81	U	0.76	U	0.75	U	0.72	U	0.76	U
1,1,1-Trichloroethane	<0.25	0.55	U	0.63	U	0.55	U	0.65	U	0.61	U	0.64	U	0.6	U	0.6	U	0.57	U	0.6	U
1,1,2,2-Tetrachloroethane	<0.25	0.69	U	0.8	U	0.69	U	0.82	U	0.77	U	0.81	U	0.76	U	0.75	U	0.72	U	0.76	U
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.25	0.77	U	0.89	U	0.77	U	0.92	U	0.86	U	0.9	U	0.84	U	0.84	U	0.8	U	0.85	U
1,1,2-Trichloroethane	<0.25	0.55	U	0.63	U	0.55	U	0.65	U	0.61	U	0.64	U	0.6	U	0.6	U	0.57	U	0.6	U
1,1-Dichloroethane	<0.25	0.4	U	0.47	U	0.4	U	0.49	U	0.45	U	0.48	U	0.45	U	0.44	U	0.42	U	0.45	U
1,1-Dichloroethylene	<0.25	0.4	U	0.46	U	0.4	U	0.48	U	0.44	U	0.47	U	0.44	U	0.44	U	0.41	U	0.44	U
1,2,4-Trichlorobenzene	<0.25	0.74	U	0.86	U	0.74	U	0.89	U	0.83	U	0.87	U	0.82	U	0.82	U	0.78	U	0.82	U
1,2,4-Trimethylbenzene	<0.25	0.49	U	0.57	U	0.49	U	0.59	U	0.55	U	0.58	U	0.54	U	0.54	U	0.51	U	0.54	U
1,2-Dibromoethane	<0.25	0.77	U	0.89	U	0.77	U	0.92	U	0.86	U	0.9	U	0.85	U	0.84	U	0.8	U	0.85	U
1,2-Dichlorobenzene	<0.25	0.6	U	0.7	U	0.6	U	0.72	U	0.67	U	0.71	U	0.66	U	0.66	U	0.63	U	0.67	U
1,2-Dichloroethane	<0.25	0.4	U	0.47	U	0.4	U	0.49	U	0.45	U	0.48	U	0.45	U	0.44	U	0.42	U	0.45	U
1,2-Dichloropropane	<0.25	0.46	U	0.54	U	0.46	U	0.55	U	0.52	U	0.54	U	0.51	U	0.51	U	0.48	U	0.51	U
1,2-Dichlorotetrafluoroethane	<0.25	0.7	U	0.81	U	0.7	U	0.84	U	0.78	U	0.82	U	0.77	U	0.77	U	0.73	U	0.77	U
1,3,5-Trimethylbenzene	<0.25	0.49	U	0.57	U	0.49	U	0.59	U	0.55	U	0.58	U	0.54	U	0.54	U	0.51	U	0.54	U
1,3-Butadiene	~	0.66	U	0.77	U	0.66	U	0.8	U	0.74	U	0.78	U	0.73	U	0.73	U	0.69	U	0.73	U
1,3-Dichlorobenzene	<0.25	0.6	U	0.7	U	0.6	U	0.72	U	0.67	U	0.71	U	0.66	U	0.66	U	0.63	U	0.67	U
1,3-Dichloropropane	~	0.46	U	0.54	U	0.46	U	0.55	U	0.52	U	0.54	U	0.51	U	0.51	U	0.48	U	0.51	U
1,4-Dichlorobenzene	<0.25	0.6	U	0.7	U	0.6	U	0.72	U	0.67	U	0.71	U	0.66	U	0.66	U	0.63	U	0.67	U
1,4-Dioxane	~	0.72	U	0.84	U	0.72	U	0.86	U	0.81	U	0.85	U	0.79	U	0.79	U	0.75	U	0.8	U
2-Butanone	<0.25 (16)	0.88	1.2	D	0.29	U	0.42	D	0.4	D	0.69	D	0.36	D	1	D	0.31	U	0.46	D	
2-Hexanone	~	0.82	U	0.95	U	0.82	U	0.98	U	0.92	U	0.96	U	0.9	U	0.9	U	0.86	U	0.91	U
3-Chloropropene	~	1.6	U	1.8	U	1.6	U	1.9	U	1.8	U	1.8	U	1.7	U	1.7	U	1.6	U	1.7	U
4-Methyl-2-pentanone	<0.25	0.41	U	0.48	U	0.41	U	0.49	U	0.46	U	0.48	U	0.45	U	0.45	U	0.43	U	0.45	U
Acetone	3.4 (115)	11	19	D	3.3	4.4	D	5.2	D	5.1	D	5.4	D	3.9	D	3.4	D	4.6	D		
Acrylonitrile	~	0.22	U	0.25	U	0.22	U	0.26	U	0.24	U	0.26	U	0.24	U	0.24	U	0.23	U	0.24	U
Benzene	0.6 (13)	0.32	U	0.67	D	0.32	U	0.58	D	0.36	U	0.6	D	0.35	U	0.53	D	0.33	U	0.64	D
Benzyl chloride	~	0.52	U	0.6	U	0.52	U	0.62	U	0.58	U	0.61	U	0.57	U	0.57	U	0.54	U	0.57	U
Bromodichloromethane	~	0.67	U	0.78	U	0.67	U	0.8	U	0.75	U	0.79	U	0.74	U	0.74	U	0.7	U	0.74	U
Bromoforom	~	1	U	1.2	U	1	U	1.2	U	1.2	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U
Bromomethane	<0.25	0.39	U	0.45	U	0.39	U	0.47	U	0.43	U	0.46	U	0.43	U	0.43	U	0.41	U	0.43	U
Carbon disulfide	~	0.31	U	0.36	U	0.31	U	0.37	U	0.35	U	1.4	D	0.34	U	0.34	U	0.33	U	0.66	D
Carbon tetrachloride	<0.25 (1.3)	0.44	U	0.58	D	0.38	U	0.45	D	0.35	D	0.52	D	0.35	D	0.48	D	0.39	D	0.49	D
Chlorobenzene	<0.25	0.46	U	0.53	U	0.46	U	0.55	U	0.52	U	0.54	U	0.51	U	0.51	U	0.48	U	0.51	U
Chloroethane	<0.25	0.26	U	0.31	U	0.26	U	0.32	U	0.3	U	0.31	U	0.29	U	0.29	U	0.28	U	0.29	U
Chloroform	<0.25	0.49	U	0.57	U	0.49	U	0.59	U	0.55	U	0.57	U	0.54	U	0.54	U	0.51	U	0.54	U
Chloromethane	<0.25 (4.2)	1.4	1.7	D	1.1	1.6	D	1.2	D	1.6	D	1.3	D	1.5	D	1.3	D	1.6	D		
cis-1,2-Dichloroethylene	<0.25	0.4	U	0.46	U	0.4	U	0.48	U	0.44	U	0.47	U	0.44	U	0.44	U	0.41	U	0.44	U
cis-1,3-Dichloropropylene	<0.25	0.45	U	0.53	U	0.45	U	0.54	U	0.51	U	0.53	U	0.5	U	0.5	U	0.47	U	0.5	U
Cyclohexane	<0.25	0.34	U	0.4	U	0.34	U	0.41	U	0.39	U	0.4	U	0.38	U	0.38	U	0.36	U	0.38	U
Dibromochloromethane	~	0.85	U	0.99	U	0.85	U	1	U	0.95	U	1	U	0.94	U	0.94	U	0.89	U	0.94	U
Dichlorodifluoromethane (Freon 12)	<0.25 (10)	3.1	2.8	D	2.1	2.3	D	2.1	D	2	D	2	D	2	D	2	D	2	D	2	D
Ethyl acetate	~	0.72	U	1.3	D	0.72	U	0.86	U	0.81	U	0.85	U	0.79	U	0.79	U	0.75	U	0.8	U
Ethyl benzene	<0.25 (6.4)	0.43	U	0.5	U	0.43	U	0.52	U	1.1	D	0.51	U	0.48	U	0.48	U	0.45	U	0.48	U
Hexachlorobutadiene	<0.25	1.1	U	1.2	U	1.1	U	1.3	U	1.2	U	1.3	U	1.2	U	1.2	U	1.1	U	1.2	U
Isopropanol	~	0.49	U	8.1	D	0.49	U	0.59	U	0.55	U	0.58	U	0.54	U	0.54	U	0.51	U	0.54	U
Methyl methacrylate	<0.25	0.41	U	0.48	U	0.41	U	0.49	U	0.46	U	1.7	D	0.45	U	0.81	D	0.43	U	0.73	D
Methylt butyl ether (MTBE)	<0.25	0.36	U	0.42	U	0.36	U	0.43	U	0.4	U	0.42	U	0.4	U	0.4	U	0.38	U	0.4	U
Methylene chloride	<0.25 (16)	3	4.4	D	0.8	0.83	U	0.78	U	15	D	0.76	U	21	D	0.73	U	6.9	D		
Naphthalene	~	5.2	U	6.1	U	5.2	U	6.3	U	5.9	U	6.2	U	5.8	U	5.8	U	5.5	U	5.8	U
n-Heptane	<0.25	0.41	U	0.48	U	0.41	U	0.49	U	0.46	U	0.48	U	0.45	U	0.45	U	0.43	U	0.45	U
n-Hexane	<0.25 (14)	0.63	U	1.2	D	0.42	U	0.42	U	0.39	U	0.62	D	0.39	U	0.39	U	0.37	U	0.47	D
o-Xylene	<0.25	0.43	U	0.5	U	0.43	U	0.52	U	0.49	U	0.51	U	0.48	U	0.48	U	0.45	U	0.48	U
p- & m- Xylenes	<0.25 (11)	0.87	U	1	U	0.87	U	1	U	3.3	D	1	U	0.96	U	0.95	U	0.91	U	0.96	U
p-Ethyltoluene	~	0.49	U	0.57	U	0.49	U	0.59	U	0.55	U	0.58	U	0.54	U	0.54	U	0.51	U	0.54	U
Propylene	~	0.17	U	0.2	U</td																



Technical Report

prepared for:

ES/WCD
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Edyta Banasiak

Report Date: 02/28/2017
Client Project ID: EE17024
York Project (SDG) No.: 17B0661

Revision No. 1.0

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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: 02/28/2017
Client Project ID: EE17024
York Project (SDG) No.: 17B0661

ES/WCD
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Edyta Banasiak

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 February 20, 2017 and listed below. The project was identified as your project: **EE17024**.

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>
17B0661-01	1AQ-1	Outdoor Ambient Ai	02/16/2017	02/20/2017
17B0661-02	1AQ-2	Outdoor Ambient Ai	02/16/2017	02/20/2017
17B0661-03	1AQ-3	Outdoor Ambient Ai	02/16/2017	02/20/2017
17B0661-04	1AQ-4	Outdoor Ambient Ai	02/16/2017	02/20/2017
17B0661-05	1AQ-5	Outdoor Ambient Ai	02/16/2017	02/20/2017

General Notes for York Project (SDG) No.: 17B0661

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: 02/28/2017





Sample Information

Client Sample ID:	1AQ-1	York Sample ID:	17B0661-01
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time
17B0661	EE17024	Outdoor Ambient Air	February 16, 2017 3:00 pm

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.69	0.69	1	EPA TO-15 Certifications:	02/21/2017 23:30	02/21/2017 23:30	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.69	0.69	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.77	0.77	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.74	0.74	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.77	0.77	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.46	0.46	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.70	0.70	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	0.66	0.66	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.46	0.46	1	EPA TO-15 Certifications:	02/21/2017 23:30	02/21/2017 23:30	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	0.72	0.72	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
78-93-3	2-Butanone	0.88		ug/m³	0.29	0.29	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	0.82	0.82	1	EPA TO-15 Certifications:	02/21/2017 23:30	02/21/2017 23:30	LDS



Sample Information

Client Sample ID: 1AQ-1

York Sample ID: 17B0661-01

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	1.6	1.6	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
67-64-1	Acetone	11		ug/m³	0.48	0.48	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.22	0.22	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
71-43-2	Benzene	0.32		ug/m³	0.32	0.32	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
100-44-7	Benzyl chloride	ND		ug/m³	0.52	0.52	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	0.67	0.67	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
75-25-2	Bromoform	ND		ug/m³	1.0	1.0	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
74-83-9	Bromomethane	ND		ug/m³	0.39	0.39	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
75-15-0	Carbon disulfide	ND		ug/m³	0.31	0.31	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
56-23-5	Carbon tetrachloride	0.44		ug/m³	0.16	0.16	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.46	0.46	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
75-00-3	Chloroethane	ND		ug/m³	0.26	0.26	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
67-66-3	Chloroform	ND		ug/m³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
74-87-3	Chloromethane	1.4		ug/m³	0.21	0.21	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.45	0.45	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
110-82-7	Cyclohexane	ND		ug/m³	0.34	0.34	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	0.85	0.85	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
75-71-8	Dichlorodifluoromethane	3.1		ug/m³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	0.72	0.72	1	EPA TO-15 Certifications:	02/21/2017 23:30	02/21/2017 23:30	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/21/2017 23:30	02/21/2017 23:30	LDS



Sample Information

Client Sample ID: 1AQ-1

York Sample ID: 17B0661-01

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	ND		ug/m³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.36	0.36	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
75-09-2	Methylene chloride	3.0		ug/m³	0.69	0.69	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
91-20-3	Naphthalene	ND		ug/m³	5.2	5.2	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NJDEP-Queens	02/21/2017 23:30	02/21/2017 23:30	LDS
142-82-5	n-Heptane	ND		ug/m³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
110-54-3	n-Hexane	0.63		ug/m³	0.35	0.35	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
95-47-6	o-Xylene	ND		ug/m³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.87	0.87	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.49	0.49	1	EPA TO-15 Certifications:	02/21/2017 23:30	02/21/2017 23:30	LDS
115-07-1	* Propylene	ND		ug/m³	0.17	0.17	1	EPA TO-15 Certifications:	02/21/2017 23:30	02/21/2017 23:30	LDS
100-42-5	Styrene	ND		ug/m³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
127-18-4	Tetrachloroethylene	ND		ug/m³	0.17	0.17	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.59	0.59	1	EPA TO-15 Certifications:	02/21/2017 23:30	02/21/2017 23:30	LDS
108-88-3	Toluene	0.38		ug/m³	0.38	0.38	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.45	0.45	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
79-01-6	Trichloroethylene	12		ug/m³	0.13	0.13	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	2.1		ug/m³	0.56	0.56	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
108-05-4	Vinyl acetate	ND		ug/m³	0.35	0.35	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
593-60-2	Vinyl bromide	ND		ug/m³	0.44	0.44	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.26	0.26	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/21/2017 23:30	02/21/2017 23:30	LDS

Surrogate Recoveries

Result

Acceptance Range

460-00-4 Surrogate: *p*-Bromofluorobenzene 99.7 %

72-118



Sample Information

Client Sample ID: 1AQ-1

York Sample ID: 17B0661-01

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Sample Information

Client Sample ID: 1AQ-2

York Sample ID: 17B0661-02

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.69	0.69	1	EPA TO-15 Certifications:	02/22/2017 00:30	02/22/2017 00:30	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.69	0.69	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.77	0.77	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.74	0.74	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.77	0.77	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.46	0.46	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.70	0.70	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	0.66	0.66	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.46	0.46	1	EPA TO-15 Certifications:	02/22/2017 00:30	02/22/2017 00:30	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS



Sample Information

Client Sample ID: 1AQ-2

York Sample ID: 17B0661-02

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m³	0.72	0.72	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
78-93-3	2-Butanone	ND		ug/m³	0.29	0.29	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	0.82	0.82	1	EPA TO-15 Certifications:	02/22/2017 00:30	02/22/2017 00:30	LDS
107-05-1	3-Chloropropene	ND		ug/m³	1.6	1.6	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
67-64-1	Acetone	3.3		ug/m³	0.48	0.48	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.22	0.22	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
71-43-2	Benzene	ND		ug/m³	0.32	0.32	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
100-44-7	Benzyl chloride	ND		ug/m³	0.52	0.52	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	0.67	0.67	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
75-25-2	Bromoform	ND		ug/m³	1.0	1.0	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
74-83-9	Bromomethane	ND		ug/m³	0.39	0.39	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
75-15-0	Carbon disulfide	ND		ug/m³	0.31	0.31	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
56-23-5	Carbon tetrachloride	0.38		ug/m³	0.16	0.16	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.46	0.46	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
75-00-3	Chloroethane	ND		ug/m³	0.26	0.26	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
67-66-3	Chloroform	ND		ug/m³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
74-87-3	Chloromethane	1.1		ug/m³	0.21	0.21	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.45	0.45	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
110-82-7	Cyclohexane	ND		ug/m³	0.34	0.34	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	0.85	0.85	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
75-71-8	Dichlorodifluoromethane	2.1		ug/m³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS



Sample Information

Client Sample ID: 1AQ-2

York Sample ID: 17B0661-02

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* Ethyl acetate	ND		ug/m³	0.72	0.72	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
67-63-0	Isopropanol	ND		ug/m³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.36	0.36	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
75-09-2	Methylene chloride	0.80		ug/m³	0.69	0.69	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
91-20-3	Naphthalene	ND		ug/m³	5.2	5.2	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NJDEP-Queens	02/22/2017 00:30	02/22/2017 00:30	LDS
142-82-5	n-Heptane	ND		ug/m³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
110-54-3	n-Hexane	0.42		ug/m³	0.35	0.35	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
95-47-6	o-Xylene	ND		ug/m³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.87	0.87	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
115-07-1	* Propylene	ND		ug/m³	0.17	0.17	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
100-42-5	Styrene	ND		ug/m³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
127-18-4	Tetrachloroethylene	ND		ug/m³	0.17	0.17	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.59	0.59	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
108-88-3	Toluene	ND		ug/m³	0.38	0.38	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.45	0.45	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
79-01-6	Trichloroethylene	0.21		ug/m³	0.13	0.13	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.7		ug/m³	0.56	0.56	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
108-05-4	Vinyl acetate	ND		ug/m³	0.35	0.35	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS



Sample Information

Client Sample ID: 1AQ-2

York Sample ID: 17B0661-02

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m³	0.44	0.44	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.26	0.26	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 00:30	02/22/2017 00:30	LDS
Surrogate Recoveries											
460-00-4	Surrogate: p-Bromofluorobenzene	Result		Acceptance Range							
		98.2 %		72-118							

Sample Information

Client Sample ID: 1AQ-3

York Sample ID: 17B0661-03

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.77	0.77	1.12	EPA TO-15 Certifications:	02/22/2017 01:30	02/22/2017 01:30	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.61	0.61	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.77	0.77	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.86	0.86	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.61	0.61	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.45	0.45	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.44	0.44	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.83	0.83	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.55	0.55	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.86	0.86	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.67	0.67	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.45	0.45	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.52	0.52	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS



Sample Information

Client Sample ID: 1AQ-3

York Sample ID: 17B0661-03

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.78	0.78	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.55	0.55	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	0.74	0.74	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.67	0.67	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.52	0.52	1.12	EPA TO-15 Certifications:	02/22/2017 01:30	02/22/2017 01:30	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.67	0.67	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	0.81	0.81	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
78-93-3	2-Butanone	0.40		ug/m³	0.33	0.33	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	0.92	0.92	1.12	EPA TO-15 Certifications:	02/22/2017 01:30	02/22/2017 01:30	LDS
107-05-1	3-Chloropropene	ND		ug/m³	1.8	1.8	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.46	0.46	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
67-64-1	Acetone	5.2		ug/m³	0.53	0.53	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.24	0.24	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
71-43-2	Benzene	ND		ug/m³	0.36	0.36	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
100-44-7	Benzyl chloride	ND		ug/m³	0.58	0.58	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	0.75	0.75	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
75-25-2	Bromoform	ND		ug/m³	1.2	1.2	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
74-83-9	Bromomethane	ND		ug/m³	0.43	0.43	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
75-15-0	Carbon disulfide	ND		ug/m³	0.35	0.35	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
56-23-5	Carbon tetrachloride	0.35		ug/m³	0.18	0.18	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.52	0.52	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
75-00-3	Chloroethane	ND		ug/m³	0.30	0.30	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS
67-66-3	Chloroform	ND		ug/m³	0.55	0.55	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 01:30	02/22/2017 01:30	LDS



Sample Information

Client Sample ID: 1AQ-3

York Sample ID: 17B0661-03

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	1.2		ug/m³	0.23	0.23	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.44	0.44	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.51	0.51	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
110-82-7	Cyclohexane	ND		ug/m³	0.39	0.39	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	0.95	0.95	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
75-71-8	Dichlorodifluoromethane	2.1		ug/m³	0.55	0.55	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	0.81	0.81	1.12	EPA TO-15 Certifications:	02/22/2017 01:30	02/22/2017 01:30	LDS
100-41-4	Ethyl Benzene	1.1		ug/m³	0.49	0.49	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.2	1.2	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
67-63-0	Isopropanol	ND		ug/m³	0.55	0.55	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	0.46	0.46	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.40	0.40	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
75-09-2	Methylene chloride	ND		ug/m³	0.78	0.78	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
91-20-3	Naphthalene	ND		ug/m³	5.9	5.9	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NJDEP-Queens	02/22/2017 01:30	02/22/2017 01:30	LDS
142-82-5	n-Heptane	ND		ug/m³	0.46	0.46	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
110-54-3	n-Hexane	ND		ug/m³	0.39	0.39	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
95-47-6	o-Xylene	ND		ug/m³	0.49	0.49	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
179601-23-1	p- & m- Xylenes	3.3		ug/m³	0.97	0.97	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.55	0.55	1.12	EPA TO-15 Certifications:	02/22/2017 01:30	02/22/2017 01:30	LDS
115-07-1	* Propylene	ND		ug/m³	0.19	0.19	1.12	EPA TO-15 Certifications:	02/22/2017 01:30	02/22/2017 01:30	LDS
100-42-5	Styrene	ND		ug/m³	0.48	0.48	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
127-18-4	Tetrachloroethylene	ND		ug/m³	0.19	0.19	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	02/22/2017 01:30	02/22/2017 01:30	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.66	0.66	1.12	EPA TO-15 Certifications:	02/22/2017 01:30	02/22/2017 01:30	LDS



Sample Information

Client Sample ID: 1AQ-3

York Sample ID: 17B0661-03

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	0.89		ug/m³	0.42	0.42	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.44	0.44	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.51	0.51	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
79-01-6	Trichloroethylene	ND		ug/m³	0.15	0.15	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.8		ug/m³	0.63	0.63	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
108-05-4	Vinyl acetate	ND		ug/m³	0.39	0.39	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
593-60-2	Vinyl bromide	ND		ug/m³	0.49	0.49	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.29	0.29	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 01:30	02/22/2017 01:30	LDS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %									
Sample Information											

Client Sample ID: 1AQ-4

York Sample ID: 17B0661-04

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.76	0.76	1.101	EPA TO-15 Certifications:	02/22/2017 02:30	02/22/2017 02:30	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.60	0.60	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.76	0.76	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.84	0.84	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.60	0.60	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.45	0.45	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.44	0.44	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS



Sample Information

Client Sample ID: 1AQ-4

York Sample ID: 17B0661-04

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.82	0.82	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.54	0.54	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.85	0.85	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.66	0.66	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.45	0.45	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.51	0.51	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
76-14-2	1,2-Dichlortetrafluoroethane	ND		ug/m³	0.77	0.77	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.54	0.54	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	0.73	0.73	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.66	0.66	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.51	0.51	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.66	0.66	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	0.79	0.79	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
78-93-3	2-Butanone	0.36		ug/m³	0.32	0.32	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	0.90	0.90	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
107-05-1	3-Chloropropene	ND		ug/m³	1.7	1.7	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.45	0.45	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
67-64-1	Acetone	5.4		ug/m³	0.52	0.52	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.24	0.24	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
71-43-2	Benzene	ND		ug/m³	0.35	0.35	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
100-44-7	Benzyl chloride	ND		ug/m³	0.57	0.57	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	0.74	0.74	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS



Sample Information

Client Sample ID: 1AQ-4

York Sample ID: 17B0661-04

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/m³	0.43	0.43	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
75-15-0	Carbon disulfide	ND		ug/m³	0.34	0.34	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
56-23-5	Carbon tetrachloride	0.35		ug/m³	0.17	0.17	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.51	0.51	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
75-00-3	Chloroethane	ND		ug/m³	0.29	0.29	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
67-66-3	Chloroform	ND		ug/m³	0.54	0.54	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
74-87-3	Chloromethane	1.3		ug/m³	0.23	0.23	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.44	0.44	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.50	0.50	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
110-82-7	Cyclohexane	ND		ug/m³	0.38	0.38	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	0.94	0.94	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
75-71-8	Dichlorodifluoromethane	2.0		ug/m³	0.54	0.54	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	0.79	0.79	1.101	EPA TO-15 Certifications:	02/22/2017 02:30	02/22/2017 02:30	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	0.48	0.48	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.2	1.2	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
67-63-0	Isopropanol	ND		ug/m³	0.54	0.54	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	0.45	0.45	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.40	0.40	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
75-09-2	Methylene chloride	ND		ug/m³	0.76	0.76	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
91-20-3	Naphthalene	ND		ug/m³	5.8	5.8	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NJDEP-Queens	02/22/2017 02:30	02/22/2017 02:30	LDS
142-82-5	n-Heptane	ND		ug/m³	0.45	0.45	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
110-54-3	n-Hexane	ND		ug/m³	0.39	0.39	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
95-47-6	o-Xylene	ND		ug/m³	0.48	0.48	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS



Sample Information

Client Sample ID: 1AQ-4

York Sample ID: 17B0661-04

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.96	0.96	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.54	0.54	1.101	EPA TO-15 Certifications:	02/22/2017 02:30	02/22/2017 02:30	LDS
115-07-1	* Propylene	ND		ug/m³	0.19	0.19	1.101	EPA TO-15 Certifications:	02/22/2017 02:30	02/22/2017 02:30	LDS
100-42-5	Styrene	ND		ug/m³	0.47	0.47	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
127-18-4	Tetrachloroethylene	ND		ug/m³	0.19	0.19	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.65	0.65	1.101	EPA TO-15 Certifications:	02/22/2017 02:30	02/22/2017 02:30	LDS
108-88-3	Toluene	ND		ug/m³	0.41	0.41	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.44	0.44	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.50	0.50	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
79-01-6	Trichloroethylene	ND		ug/m³	0.15	0.15	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.7		ug/m³	0.62	0.62	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
108-05-4	Vinyl acetate	ND		ug/m³	0.39	0.39	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
593-60-2	Vinyl bromide	ND		ug/m³	0.48	0.48	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.28	0.28	1.101	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 02:30	02/22/2017 02:30	LDS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	72-118								

Sample Information

Client Sample ID: 1AQ-5

York Sample ID: 17B0661-05

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.72	0.72	1.046	EPA TO-15 Certifications:	02/22/2017 03:30	02/22/2017 03:30	LDS
120 RESEARCH DRIVE				STRATFORD, CT 06615				132-02 89th AVENUE			
(203) 325-1371				FAX (203) 357-0166				RICHMOND HILL, NY 11418			
www.YORKLAB.com				ClientServices@				Page 16 of 27			



Sample Information

Client Sample ID: 1AQ-5

York Sample ID: 17B0661-05

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.57	0.57	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.72	0.72	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.80	0.80	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.57	0.57	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.42	0.42	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.41	0.41	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.78	0.78	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.51	0.51	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.80	0.80	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.63	0.63	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.42	0.42	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.48	0.48	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.73	0.73	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.51	0.51	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
106-99-0	1,3-Butadiene	ND		ug/m³	0.69	0.69	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.63	0.63	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.48	0.48	1.046	EPA TO-15 Certifications:	02/22/2017 03:30	02/22/2017 03:30
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.63	0.63	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
123-91-1	1,4-Dioxane	ND		ug/m³	0.75	0.75	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
78-93-3	2-Butanone	ND		ug/m³	0.31	0.31	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
591-78-6	* 2-Hexanone	ND		ug/m³	0.86	0.86	1.046	EPA TO-15 Certifications:	02/22/2017 03:30	02/22/2017 03:30
107-05-1	3-Chloropropene	ND		ug/m³	1.6	1.6	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.43	0.43	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Quc	02/22/2017 03:30	02/22/2017 03:30



Sample Information

Client Sample ID: 1AQ-5

York Sample ID: 17B0661-05

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	3.4		ug/m³	0.50	0.50	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
107-13-1	Acrylonitrile	ND		ug/m³	0.23	0.23	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
71-43-2	Benzene	ND		ug/m³	0.33	0.33	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
100-44-7	Benzyl chloride	ND		ug/m³	0.54	0.54	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
75-27-4	Bromodichloromethane	ND		ug/m³	0.70	0.70	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
74-83-9	Bromomethane	ND		ug/m³	0.41	0.41	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
75-15-0	Carbon disulfide	ND		ug/m³	0.33	0.33	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
56-23-5	Carbon tetrachloride	0.39		ug/m³	0.16	0.16	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
108-90-7	Chlorobenzene	ND		ug/m³	0.48	0.48	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
75-00-3	Chloroethane	ND		ug/m³	0.28	0.28	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
67-66-3	Chloroform	ND		ug/m³	0.51	0.51	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
74-87-3	Chloromethane	1.3		ug/m³	0.22	0.22	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.41	0.41	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.47	0.47	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
110-82-7	Cyclohexane	ND		ug/m³	0.36	0.36	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
124-48-1	Dibromochloromethane	ND		ug/m³	0.89	0.89	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
75-71-8	Dichlorodifluoromethane	1.9		ug/m³	0.52	0.52	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
141-78-6	* Ethyl acetate	ND		ug/m³	0.75	0.75	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.45	0.45	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
67-63-0	Isopropanol	ND		ug/m³	0.51	0.51	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.43	0.43	1.046	EPA TO-15	02/22/2017 03:30	02/22/2017 03:30	LDS
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Quc		



Sample Information

Client Sample ID: 1AQ-5

York Sample ID: 17B0661-05

York Project (SDG) No.

17B0661

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

February 16, 2017 3:00 pm

Date Received

02/20/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.38	0.38	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 03:30	02/22/2017 03:30	LDS
75-09-2	Methylene chloride	ND		ug/m³	0.73	0.73	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 03:30	02/22/2017 03:30	LDS
91-20-3	Naphthalene	ND		ug/m³	5.5	5.5	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NJDEP-Queens	02/22/2017 03:30	02/22/2017 03:30	LDS
142-82-5	n-Heptane	ND		ug/m³	0.43	0.43	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 03:30	02/22/2017 03:30	LDS
110-54-3	n-Hexane	ND		ug/m³	0.37	0.37	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 03:30	02/22/2017 03:30	LDS
95-47-6	o-Xylene	ND		ug/m³	0.45	0.45	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 03:30	02/22/2017 03:30	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.91	0.91	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 03:30	02/22/2017 03:30	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.51	0.51	1.046	EPA TO-15 Certifications:	02/22/2017 03:30	02/22/2017 03:30	LDS
115-07-1	* Propylene	ND		ug/m³	0.18	0.18	1.046	EPA TO-15 Certifications:	02/22/2017 03:30	02/22/2017 03:30	LDS
100-42-5	Styrene	ND		ug/m³	0.45	0.45	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 03:30	02/22/2017 03:30	LDS
127-18-4	Tetrachloroethylene	ND		ug/m³	0.18	0.18	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 03:30	02/22/2017 03:30	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.62	0.62	1.046	EPA TO-15 Certifications:	02/22/2017 03:30	02/22/2017 03:30	LDS
108-88-3	Toluene	ND		ug/m³	0.39	0.39	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 03:30	02/22/2017 03:30	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.41	0.41	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 03:30	02/22/2017 03:30	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.47	0.47	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 03:30	02/22/2017 03:30	LDS
79-01-6	Trichloroethylene	0.22		ug/m³	0.14	0.14	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 03:30	02/22/2017 03:30	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.6		ug/m³	0.59	0.59	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 03:30	02/22/2017 03:30	LDS
108-05-4	Vinyl acetate	ND		ug/m³	0.37	0.37	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 03:30	02/22/2017 03:30	LDS
593-60-2	Vinyl bromide	ND		ug/m³	0.46	0.46	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 03:30	02/22/2017 03:30	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.27	0.27	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	02/22/2017 03:30	02/22/2017 03:30	LDS

Surrogate Recoveries

Result

Acceptance Range

460-00-4 Surrogate: p-Bromofluorobenzene 99.5 %

72-118



Analytical Batch Summary

Batch ID: BB71172

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
17B0661-01	1AQ-1	02/21/17
17B0661-02	1AQ-2	02/22/17
17B0661-03	1AQ-3	02/22/17
17B0661-04	1AQ-4	02/22/17
17B0661-05	1AQ-5	02/22/17
BB71172-BLK1	Blank	02/21/17
BB71172-BS1	LCS	02/21/17



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	Flag
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Batch BB71172 - EPA TO15 PREP

Blank (BB71172-BLK1)

Prepared & Analyzed: 02/21/2017

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.40	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
Naphthalene	ND	5.2	"								



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

York Analytical Laboratories, Inc.

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

Batch BB71172 - EPA TO15 PREP

Blank (BB71172-BLK1)

n-Heptane	ND	0.41	ug/m³								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.26	"								

Surrogate: p-Bromofluorobenzene 9.47 ppbv 10.0 94.7 72-118

LCS (BB71172-BS1)

1,1,1,2-Tetrachloroethane	10.3	ppbv	10.0	103	70-130						
1,1,1-Trichloroethane	10.6	"	10.0	106	70-130						
1,1,2,2-Tetrachloroethane	10.9	"	10.0	109	70-130						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	"	10.0	108	70-130						
1,1,2-Trichloroethane	12.7	"	10.0	127	70-130						
1,1-Dichloroethane	11.3	"	10.0	113	70-130						
1,1-Dichloroethylene	11.2	"	10.0	112	70-130						
1,2,4-Trichlorobenzene	9.87	"	10.0	98.7	70-130						
1,2,4-Trimethylbenzene	12.2	"	10.0	122	70-130						
1,2-Dibromoethane	11.5	"	10.0	115	70-130						
1,2-Dichlorobenzene	12.3	"	10.0	123	70-130						
1,2-Dichloroethane	10.6	"	10.0	106	70-130						
1,2-Dichloropropane	11.6	"	10.0	116	70-130						
1,2-Dichlorotetrafluoroethane	12.2	"	10.0	122	70-130						
1,3,5-Trimethylbenzene	12.0	"	10.0	120	70-130						
1,3-Butadiene	11.4	"	10.0	114	70-130						
1,3-Dichlorobenzene	12.1	"	10.0	121	70-130						
1,3-Dichloropropane	11.9	"	10.0	119	70-130						
1,4-Dichlorobenzene	12.2	"	10.0	122	70-130						
1,4-Dioxane	12.1	"	10.0	121	70-130						
2-Butanone	10.2	"	10.0	102	70-130						
2-Hexanone	13.7	"	10.0	137	70-130	High Bias					
3-Chloropropene	9.77	"	10.0	97.7	70-130						
4-Methyl-2-pentanone	12.1	"	10.0	121	70-130						
Acetone	8.45	"	10.0	84.5	70-130						
Acrylonitrile	11.1	"	10.0	111	70-130						
Benzene	11.4	"	10.0	114	70-130						
Benzyl chloride	10.2	"	10.0	102	70-130						
Bromodichloromethane	11.6	"	10.0	116	70-130						
Bromoform	10.8	"	10.0	108	70-130						
Bromomethane	12.7	"	10.0	127	70-130						



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB71172 - EPA TO15 PREP											
LCS (BB71172-BS1)											
Prepared & Analyzed: 02/21/2017											
Carbon disulfide	12.0		ppbv	10.0	120	70-130					
Carbon tetrachloride	10.7		"	10.0	107	70-130					
Chlorobenzene	10.2		"	10.0	102	70-130					
Chloroethane	12.3		"	10.0	123	70-130					
Chloroform	10.8		"	10.0	108	70-130					
Chloromethane	11.3		"	10.0	113	70-130					
cis-1,2-Dichloroethylene	11.7		"	10.0	117	70-130					
cis-1,3-Dichloropropylene	12.0		"	10.0	120	70-130					
Cyclohexane	11.4		"	10.0	114	70-130					
Dibromochloromethane	11.9		"	10.0	119	70-130					
Dichlorodifluoromethane	12.1		"	10.0	121	70-130					
Ethyl acetate	14.7		"	10.0	147	70-130	High Bias				
Ethyl Benzene	10.6		"	10.0	106	70-130					
Hexachlorobutadiene	14.0		"	10.0	140	70-130	High Bias				
Isopropanol	8.28		"	10.0	82.8	70-130					
Methyl Methacrylate	11.7		"	10.0	117	70-130					
Methyl tert-butyl ether (MTBE)	9.71		"	10.0	97.1	70-130					
Methylene chloride	10.7		"	10.0	107	70-130					
Naphthalene	11.5		"	10.0	115	70-130					
n-Heptane	11.8		"	10.0	118	70-130					
n-Hexane	9.51		"	10.0	95.1	70-130					
o-Xylene	11.2		"	10.0	112	70-130					
p- & m- Xylenes	22.4		"	20.0	112	70-130					
p-Ethyltoluene	12.0		"	10.0	120	70-130					
Propylene	10.6		"	10.0	106	70-130					
Styrene	11.0		"	10.0	110	70-130					
Tetrachloroethylene	11.2		"	10.0	112	70-130					
Tetrahydrofuran	11.7		"	10.0	117	70-130					
Toluene	11.8		"	10.0	118	70-130					
trans-1,2-Dichloroethylene	10.9		"	10.0	109	70-130					
trans-1,3-Dichloropropylene	11.5		"	10.0	115	70-130					
Trichloroethylene	10.4		"	10.0	104	70-130					
Trichlorofluoromethane (Freon 11)	13.5		"	10.0	135	70-130	High Bias				
Vinyl acetate	9.17		"	10.0	91.7	70-130					
Vinyl bromide	12.5		"	10.0	125	70-130					
Vinyl Chloride	12.6		"	10.0	126	70-130					
<i>Surrogate: p-Bromofluorobenzene</i>	10.1		"	10.0	101	72-118					





Notes and Definitions

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

*	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.

Revision Description: This report has been revised to correct Sample IDs.



YORK
THE INSTITUTE FOR

INHALYTICAL LABORATORY

Field Chain-of-Custody Record - AIR

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

York Project No. 1

NOTE: ~~Vehicle's~~ ~~Std~~ Terms & Conditions are listed on the back side of this document.

York Project No. 1

40

Multi-type, discrete-time
branching processes

Comments

Page 27 of 27



Technical Report

prepared for:

ES/WCD
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Edyta Banasiak

Report Date: 03/13/2017
Client Project ID: EE17024
York Project (SDG) No.: 17C0246

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: 03/13/2017
Client Project ID: EE17024
York Project (SDG) No.: 17C0246

ES/WCD
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Edyta Banasiak

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 07, 2017 and listed below. The project was identified as your project: **EE17024**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
17C0246-01	2AQ-1	Outdoor Ambient Air	03/03/2017	03/07/2017
17C0246-02	2AQ-2	Outdoor Ambient Air	03/03/2017	03/07/2017
17C0246-03	2AQ-3	Outdoor Ambient Air	03/03/2017	03/07/2017
17C0246-04	2AQ-4	Outdoor Ambient Air	03/03/2017	03/07/2017
17C0246-05	2AQ-5	Outdoor Ambient Air	03/03/2017	03/07/2017

General Notes for York Project (SDG) No.: 17C0246

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: 03/13/2017





Sample Information

Client Sample ID: 2AQ-1

York Sample ID: 17C0246-01

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,2-Tetrachloroethane	ND		ug/m³	0.80	0.80	1.1611	EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 18:14	RB
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.63	0.63	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.80	0.80	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.89	0.89	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.63	0.63	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.47	0.47	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.46	0.46	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.86	0.86	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.57	0.57	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.89	0.89	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.70	0.70	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.47	0.47	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.54	0.54	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.81	0.81	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.57	0.57	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
106-99-0	1,3-Butadiene	ND		ug/m³	0.77	0.77	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.70	0.70	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.54	0.54	1.1611	EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 18:14	RB
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.70	0.70	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
123-91-1	1,4-Dioxane	ND		ug/m³	0.84	0.84	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
78-93-3	2-Butanone	1.2		ug/m³	0.34	0.34	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
591-78-6	* 2-Hexanone	ND		ug/m³	0.95	0.95	1.1611	EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 18:14	RB



Sample Information

Client Sample ID: 2AQ-1

York Sample ID: 17C0246-01

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	1.8	1.8	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.48	0.48	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
67-64-1	Acetone	19		ug/m³	0.55	0.55	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
107-13-1	Acrylonitrile	ND		ug/m³	0.25	0.25	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
71-43-2	Benzene	0.67		ug/m³	0.37	0.37	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
100-44-7	Benzyl chloride	ND		ug/m³	0.60	0.60	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
75-27-4	Bromodichloromethane	ND		ug/m³	0.78	0.78	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
75-25-2	Bromoform	ND		ug/m³	1.2	1.2	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
74-83-9	Bromomethane	ND		ug/m³	0.45	0.45	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
75-15-0	Carbon disulfide	ND		ug/m³	0.36	0.36	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
56-23-5	Carbon tetrachloride	0.58		ug/m³	0.18	0.18	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
108-90-7	Chlorobenzene	ND		ug/m³	0.53	0.53	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
75-00-3	Chloroethane	ND		ug/m³	0.31	0.31	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
67-66-3	Chloroform	ND		ug/m³	0.57	0.57	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
74-87-3	Chloromethane	1.7		ug/m³	0.24	0.24	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.46	0.46	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.53	0.53	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
110-82-7	Cyclohexane	ND		ug/m³	0.40	0.40	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
124-48-1	Dibromochloromethane	ND		ug/m³	0.99	0.99	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
75-71-8	Dichlorodifluoromethane	2.8		ug/m³	0.57	0.57	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
141-78-6	* Ethyl acetate	1.3		ug/m³	0.84	0.84	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
100-41-4	Ethyl Benzene	ND		ug/m³	0.50	0.50	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.2	1.2	1.1611	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 18:14	RB



Sample Information

Client Sample ID: 2AQ-1

York Sample ID: 17C0246-01

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	8.1		ug/m³	0.57	0.57	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.48	0.48	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.42	0.42	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
75-09-2	Methylene chloride	4.4		ug/m³	0.81	0.81	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
91-20-3	Naphthalene	ND		ug/m³	6.1	6.1	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NJDEP-Queens		
142-82-5	n-Heptane	ND		ug/m³	0.48	0.48	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
110-54-3	n-Hexane	1.2		ug/m³	0.41	0.41	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
95-47-6	o-Xylene	ND		ug/m³	0.50	0.50	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.0	1.0	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.57	0.57	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.20	0.20	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:			
100-42-5	Styrene	ND		ug/m³	0.49	0.49	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
127-18-4	Tetrachloroethylene	ND		ug/m³	0.20	0.20	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.68	0.68	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:			
108-88-3	Toluene	6.2		ug/m³	0.44	0.44	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.46	0.46	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.53	0.53	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
79-01-6	Trichloroethylene	14		ug/m³	0.16	0.16	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
75-69-4	Trichlorofluoromethane (Freon 11)	1.7		ug/m³	0.65	0.65	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
108-05-4	Vinyl acetate	ND		ug/m³	0.41	0.41	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
593-60-2	Vinyl bromide	ND		ug/m³	0.51	0.51	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
75-01-4	Vinyl Chloride	ND		ug/m³	0.30	0.30	1.1611	EPA TO-15	03/08/2017 11:43	03/08/2017 18:14	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	94.5 %	72-118								



Sample Information

Client Sample ID: 2AQ-1

York Sample ID: 17C0246-01

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Sample Information

Client Sample ID: 2AQ-2

York Sample ID: 17C0246-02

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.82	0.82	1.2	EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 20:33	RB
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.65	0.65	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.82	0.82	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.92	0.92	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.65	0.65	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.49	0.49	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.48	0.48	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.89	0.89	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.59	0.59	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.92	0.92	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.72	0.72	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.49	0.49	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.55	0.55	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.84	0.84	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.59	0.59	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
106-99-0	1,3-Butadiene	ND		ug/m³	0.80	0.80	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.72	0.72	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.55	0.55	1.2	EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 20:33	RB
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.72	0.72	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB



Sample Information

Client Sample ID: 2AQ-2

York Sample ID: 17C0246-02

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m³	0.86	0.86	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
78-93-3	2-Butanone	0.42		ug/m³	0.35	0.35	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
591-78-6	* 2-Hexanone	ND		ug/m³	0.98	0.98	1.2	EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 20:33	RB
107-05-1	3-Chloropropene	ND		ug/m³	1.9	1.9	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.49	0.49	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
67-64-1	Acetone	4.4		ug/m³	0.57	0.57	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
107-13-1	Acrylonitrile	ND		ug/m³	0.26	0.26	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
71-43-2	Benzene	0.58		ug/m³	0.38	0.38	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
100-44-7	Benzyl chloride	ND		ug/m³	0.62	0.62	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
75-27-4	Bromodichloromethane	ND		ug/m³	0.80	0.80	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
75-25-2	Bromoform	ND		ug/m³	1.2	1.2	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
74-83-9	Bromomethane	ND		ug/m³	0.47	0.47	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
75-15-0	Carbon disulfide	ND		ug/m³	0.37	0.37	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
56-23-5	Carbon tetrachloride	0.45		ug/m³	0.19	0.19	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
108-90-7	Chlorobenzene	ND		ug/m³	0.55	0.55	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
75-00-3	Chloroethane	ND		ug/m³	0.32	0.32	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
67-66-3	Chloroform	ND		ug/m³	0.59	0.59	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
74-87-3	Chloromethane	1.6		ug/m³	0.25	0.25	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.48	0.48	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.54	0.54	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
110-82-7	Cyclohexane	ND		ug/m³	0.41	0.41	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
124-48-1	Dibromochloromethane	ND		ug/m³	1.0	1.0	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
75-71-8	Dichlorodifluoromethane	2.3		ug/m³	0.59	0.59	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB



Sample Information

Client Sample ID: 2AQ-2

York Sample ID: 17C0246-02

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* Ethyl acetate	ND		ug/m³	0.86	0.86	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
100-41-4	Ethyl Benzene	ND		ug/m³	0.52	0.52	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.3	1.3	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
67-63-0	Isopropanol	ND		ug/m³	0.59	0.59	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
80-62-6	Methyl Methacrylate	ND		ug/m³	0.49	0.49	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.43	0.43	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
75-09-2	Methylene chloride	ND		ug/m³	0.83	0.83	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
91-20-3	Naphthalene	ND		ug/m³	6.3	6.3	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NJDEP-Queens	03/08/2017 11:43	03/08/2017 20:33	RB
142-82-5	n-Heptane	ND		ug/m³	0.49	0.49	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
110-54-3	n-Hexane	ND		ug/m³	0.42	0.42	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
95-47-6	o-Xylene	ND		ug/m³	0.52	0.52	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.0	1.0	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.59	0.59	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
115-07-1	* Propylene	ND		ug/m³	0.21	0.21	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
100-42-5	Styrene	ND		ug/m³	0.51	0.51	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
127-18-4	Tetrachloroethylene	ND		ug/m³	0.20	0.20	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.71	0.71	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
108-88-3	Toluene	0.90		ug/m³	0.45	0.45	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.48	0.48	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.54	0.54	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
79-01-6	Trichloroethylene	0.64		ug/m³	0.16	0.16	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
75-69-4	Trichlorofluoromethane (Freon 11)	1.4		ug/m³	0.67	0.67	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
108-05-4	Vinyl acetate	ND		ug/m³	0.42	0.42	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB



Sample Information

Client Sample ID: 2AQ-2

York Sample ID: 17C0246-02

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m³	0.52	0.52	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
75-01-4	Vinyl Chloride	ND		ug/m³	0.31	0.31	1.2	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 20:33	RB
Surrogate Recoveries											
460-00-4	Surrogate: p-Bromofluorobenzene	Result		Acceptance Range							
		93.9 %		72-118							

Sample Information

Client Sample ID: 2AQ-3

York Sample ID: 17C0246-03

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.81	0.81	1.1754	EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 21:42	RB
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.64	0.64	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.81	0.81	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.90	0.90	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.64	0.64	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.48	0.48	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.47	0.47	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.87	0.87	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.58	0.58	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.90	0.90	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.71	0.71	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.48	0.48	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.54	0.54	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB



Sample Information

Client Sample ID: 2AQ-3

York Sample ID: 17C0246-03

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.82	0.82	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.58	0.58	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
106-99-0	1,3-Butadiene	ND		ug/m³	0.78	0.78	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.71	0.71	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.54	0.54	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.71	0.71	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
123-91-1	1,4-Dioxane	ND		ug/m³	0.85	0.85	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
78-93-3	2-Butanone	0.69		ug/m³	0.35	0.35	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
591-78-6	* 2-Hexanone	ND		ug/m³	0.96	0.96	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
107-05-1	3-Chloropropene	ND		ug/m³	1.8	1.8	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.48	0.48	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
67-64-1	Acetone	5.1		ug/m³	0.56	0.56	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
107-13-1	Acrylonitrile	ND		ug/m³	0.26	0.26	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
71-43-2	Benzene	0.60		ug/m³	0.38	0.38	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
100-44-7	Benzyl chloride	ND		ug/m³	0.61	0.61	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
75-27-4	Bromodichloromethane	ND		ug/m³	0.79	0.79	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
75-25-2	Bromoform	ND		ug/m³	1.2	1.2	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
74-83-9	Bromomethane	ND		ug/m³	0.46	0.46	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
75-15-0	Carbon disulfide	1.4		ug/m³	0.37	0.37	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
56-23-5	Carbon tetrachloride	0.52		ug/m³	0.18	0.18	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
108-90-7	Chlorobenzene	ND		ug/m³	0.54	0.54	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
75-00-3	Chloroethane	ND		ug/m³	0.31	0.31	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
67-66-3	Chloroform	ND		ug/m³	0.57	0.57	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB



Sample Information

Client Sample ID: 2AQ-3

York Sample ID: 17C0246-03

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	1.6		ug/m³	0.24	0.24	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.47	0.47	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.53	0.53	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
110-82-7	Cyclohexane	ND		ug/m³	0.40	0.40	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
124-48-1	Dibromochloromethane	ND		ug/m³	1.0	1.0	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
75-71-8	Dichlorodifluoromethane	2.0		ug/m³	0.58	0.58	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
141-78-6	* Ethyl acetate	ND		ug/m³	0.85	0.85	1.1754	EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 21:42	RB
100-41-4	Ethyl Benzene	ND		ug/m³	0.51	0.51	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.3	1.3	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
67-63-0	Isopropanol	ND		ug/m³	0.58	0.58	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
80-62-6	Methyl Methacrylate	1.7		ug/m³	0.48	0.48	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.42	0.42	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
75-09-2	Methylene chloride	15		ug/m³	0.82	0.82	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
91-20-3	Naphthalene	ND		ug/m³	6.2	6.2	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NJDEP-Queens	03/08/2017 11:43	03/08/2017 21:42	RB
142-82-5	n-Heptane	ND		ug/m³	0.48	0.48	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
110-54-3	n-Hexane	0.62		ug/m³	0.41	0.41	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
95-47-6	o-Xylene	ND		ug/m³	0.51	0.51	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.0	1.0	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.58	0.58	1.1754	EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 21:42	RB
115-07-1	* Propylene	ND		ug/m³	0.20	0.20	1.1754	EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 21:42	RB
100-42-5	Styrene	ND		ug/m³	0.50	0.50	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
127-18-4	Tetrachloroethylene	0.96		ug/m³	0.20	0.20	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.69	0.69	1.1754	EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 21:42	RB



Sample Information

Client Sample ID: 2AQ-3

York Sample ID: 17C0246-03

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	1.0		ug/m³	0.44	0.44	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.47	0.47	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.53	0.53	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
79-01-6	Trichloroethylene	0.69		ug/m³	0.16	0.16	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
75-69-4	Trichlorofluoromethane (Freon 11)	1.5		ug/m³	0.66	0.66	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
108-05-4	Vinyl acetate	ND		ug/m³	0.41	0.41	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
593-60-2	Vinyl bromide	ND		ug/m³	0.51	0.51	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
75-01-4	Vinyl Chloride	ND		ug/m³	0.30	0.30	1.1754	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 21:42	RB
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	95.2 %									
72-118											

Sample Information

Client Sample ID: 2AQ-4

York Sample ID: 17C0246-04

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.75	0.75	1.0994	EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 22:51	RB
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.60	0.60	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.75	0.75	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.84	0.84	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.60	0.60	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.44	0.44	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.44	0.44	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB



Sample Information

Client Sample ID: 2AQ-4

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Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

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/m³	0.82	0.82	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.54	0.54	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.84	0.84	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.66	0.66	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.44	0.44	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.51	0.51	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
76-14-2	1,2-Dichlortetrafluoroethane	ND		ug/m³	0.77	0.77	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.54	0.54	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
106-99-0	1,3-Butadiene	ND		ug/m³	0.73	0.73	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.66	0.66	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.51	0.51	1.0994 EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 22:51	RB
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.66	0.66	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
123-91-1	1,4-Dioxane	ND		ug/m³	0.79	0.79	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
78-93-3	2-Butanone	1.0		ug/m³	0.32	0.32	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
591-78-6	* 2-Hexanone	ND		ug/m³	0.90	0.90	1.0994 EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 22:51	RB
107-05-1	3-Chloropropene	ND		ug/m³	1.7	1.7	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.45	0.45	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
67-64-1	Acetone	3.9		ug/m³	0.52	0.52	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
107-13-1	Acrylonitrile	ND		ug/m³	0.24	0.24	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
71-43-2	Benzene	0.53		ug/m³	0.35	0.35	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
100-44-7	Benzyl chloride	ND		ug/m³	0.57	0.57	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
75-27-4	Bromodichloromethane	ND		ug/m³	0.74	0.74	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1.0994 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB



Sample Information

Client Sample ID: 2AQ-4

York Sample ID: 17C0246-04

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

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Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/m³	0.43	0.43	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
75-15-0	Carbon disulfide	ND		ug/m³	0.34	0.34	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
56-23-5	Carbon tetrachloride	0.48		ug/m³	0.17	0.17	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
108-90-7	Chlorobenzene	ND		ug/m³	0.51	0.51	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
75-00-3	Chloroethane	ND		ug/m³	0.29	0.29	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
67-66-3	Chloroform	ND		ug/m³	0.54	0.54	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
74-87-3	Chloromethane	1.5		ug/m³	0.23	0.23	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.44	0.44	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.50	0.50	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
110-82-7	Cyclohexane	ND		ug/m³	0.38	0.38	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
124-48-1	Dibromochloromethane	ND		ug/m³	0.94	0.94	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
75-71-8	Dichlorodifluoromethane	2.0		ug/m³	0.54	0.54	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
141-78-6	* Ethyl acetate	ND		ug/m³	0.79	0.79	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
100-41-4	Ethyl Benzene	ND		ug/m³	0.48	0.48	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.2	1.2	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
67-63-0	Isopropanol	ND		ug/m³	0.54	0.54	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
80-62-6	Methyl Methacrylate	0.81		ug/m³	0.45	0.45	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.40	0.40	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
75-09-2	Methylene chloride	21		ug/m³	0.76	0.76	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
91-20-3	Naphthalene	ND		ug/m³	5.8	5.8	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NJDEP-Queens	03/08/2017 11:43	03/08/2017 22:51	RB
142-82-5	n-Heptane	ND		ug/m³	0.45	0.45	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
110-54-3	n-Hexane	ND		ug/m³	0.39	0.39	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
95-47-6	o-Xylene	ND		ug/m³	0.48	0.48	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB



Sample Information

Client Sample ID: 2AQ-4

York Sample ID: 17C0246-04

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

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March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.95	0.95	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.54	0.54	1.0994	EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 22:51	RB
115-07-1	* Propylene	ND		ug/m³	0.19	0.19	1.0994	EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 22:51	RB
100-42-5	Styrene	ND		ug/m³	0.47	0.47	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
127-18-4	Tetrachloroethylene	1.6		ug/m³	0.19	0.19	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.65	0.65	1.0994	EPA TO-15 Certifications:	03/08/2017 11:43	03/08/2017 22:51	RB
108-88-3	Toluene	0.70		ug/m³	0.41	0.41	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.44	0.44	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.50	0.50	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
79-01-6	Trichloroethylene	ND		ug/m³	0.15	0.15	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
75-69-4	Trichlorofluoromethane (Freon 11)	1.4		ug/m³	0.62	0.62	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
108-05-4	Vinyl acetate	ND		ug/m³	0.39	0.39	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
593-60-2	Vinyl bromide	ND		ug/m³	0.48	0.48	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
75-01-4	Vinyl Chloride	ND		ug/m³	0.28	0.28	1.0994	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/08/2017 22:51	RB
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	95.2 %									

Sample Information

Client Sample ID: 2AQ-5

York Sample ID: 17C0246-05

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.76	0.76	1.1074	EPA TO-15 Certifications:	03/08/2017 11:43	03/09/2017 00:00	RB
120 RESEARCH DRIVE		STRATFORD, CT 06615			■	132-02 89th AVENUE			RICHMOND HILL, NY 11418		
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166			ClientServices@		



Sample Information

Client Sample ID: 2AQ-5

York Sample ID: 17C0246-05

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.60	0.60	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.76	0.76	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.85	0.85	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.60	0.60	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.45	0.45	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.44	0.44	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.82	0.82	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.54	0.54	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.85	0.85	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.67	0.67	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.45	0.45	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.51	0.51	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.77	0.77	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.54	0.54	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
106-99-0	1,3-Butadiene	ND		ug/m³	0.73	0.73	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.67	0.67	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.51	0.51	1.1074	EPA TO-15 Certifications:	03/08/2017 11:43	03/09/2017 00:00	RB
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.67	0.67	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
123-91-1	1,4-Dioxane	ND		ug/m³	0.80	0.80	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
78-93-3	2-Butanone	0.46		ug/m³	0.33	0.33	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
591-78-6	* 2-Hexanone	ND		ug/m³	0.91	0.91	1.1074	EPA TO-15 Certifications:	03/08/2017 11:43	03/09/2017 00:00	RB
107-05-1	3-Chloropropene	ND		ug/m³	1.7	1.7	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.45	0.45	1.1074	EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB



Sample Information

Client Sample ID: 2AQ-5

York Sample ID: 17C0246-05

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	4.6		ug/m³	0.53	0.53	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
107-13-1	Acrylonitrile	ND		ug/m³	0.24	0.24	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
71-43-2	Benzene	0.64		ug/m³	0.35	0.35	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
100-44-7	Benzyl chloride	ND		ug/m³	0.57	0.57	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
75-27-4	Bromodichloromethane	ND		ug/m³	0.74	0.74	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
74-83-9	Bromomethane	ND		ug/m³	0.43	0.43	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
75-15-0	Carbon disulfide	0.66		ug/m³	0.34	0.34	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
56-23-5	Carbon tetrachloride	0.49		ug/m³	0.17	0.17	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
108-90-7	Chlorobenzene	ND		ug/m³	0.51	0.51	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
75-00-3	Chloroethane	ND		ug/m³	0.29	0.29	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
67-66-3	Chloroform	ND		ug/m³	0.54	0.54	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
74-87-3	Chloromethane	1.6		ug/m³	0.23	0.23	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.44	0.44	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.50	0.50	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
110-82-7	Cyclohexane	ND		ug/m³	0.38	0.38	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
124-48-1	Dibromochloromethane	ND		ug/m³	0.94	0.94	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
75-71-8	Dichlorodifluoromethane	2.0		ug/m³	0.55	0.55	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
141-78-6	* Ethyl acetate	ND		ug/m³	0.80	0.80	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.48	0.48	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.2	1.2	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
67-63-0	Isopropanol	ND		ug/m³	0.54	0.54	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		
80-62-6	Methyl Methacrylate	0.73		ug/m³	0.45	0.45	1.1074	EPA TO-15	03/08/2017 11:43	03/09/2017 00:00	RB
								Certifications:	NELAC-NY10854,NJDEP,NELAC-NY10854-Que		



Sample Information

Client Sample ID: 2AQ-5

York Sample ID: 17C0246-05

York Project (SDG) No.

17C0246

Client Project ID

EE17024

Matrix

Outdoor Ambient Air

Collection Date/Time

March 3, 2017 3:00 pm

Date Received

03/07/2017

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.40	0.40	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB	
75-09-2	Methylene chloride	6.9		ug/m³	0.77	0.77	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB	
91-20-3	Naphthalene	ND		ug/m³	5.8	5.8	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NJDEP-Queens	03/08/2017 11:43	03/09/2017 00:00	RB	
142-82-5	n-Heptane	ND		ug/m³	0.45	0.45	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB	
110-54-3	n-Hexane	0.47		ug/m³	0.39	0.39	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB	
95-47-6	o-Xylene	ND		ug/m³	0.48	0.48	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB	
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.96	0.96	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB	
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.54	0.54	1.1074 EPA TO-15 Certifications:	03/08/2017 11:43	03/09/2017 00:00	RB	
115-07-1	* Propylene	ND		ug/m³	0.19	0.19	1.1074 EPA TO-15 Certifications:	03/08/2017 11:43	03/09/2017 00:00	RB	
100-42-5	Styrene	ND		ug/m³	0.47	0.47	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB	
127-18-4	Tetrachloroethylene	ND		ug/m³	0.19	0.19	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB	
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.65	0.65	1.1074 EPA TO-15 Certifications:	03/08/2017 11:43	03/09/2017 00:00	RB	
108-88-3	Toluene	1.0		ug/m³	0.42	0.42	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB	
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.44	0.44	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB	
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.50	0.50	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB	
79-01-6	Trichloroethylene	0.36		ug/m³	0.15	0.15	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB	
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m³	0.62	0.62	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB	
108-05-4	Vinyl acetate	ND		ug/m³	0.39	0.39	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB	
593-60-2	Vinyl bromide	ND		ug/m³	0.48	0.48	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB	
75-01-4	Vinyl Chloride	ND		ug/m³	0.28	0.28	1.1074 EPA TO-15 Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Que	03/08/2017 11:43	03/09/2017 00:00	RB	
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene		95.3 %	72-118							



Analytical Batch Summary

Batch ID: BC70439

Preparation Method: EPA TO15 PREP

Prepared By: RQB

YORK Sample ID	Client Sample ID	Preparation Date
17C0246-01	2AQ-1	03/08/17
17C0246-02	2AQ-2	03/08/17
17C0246-03	2AQ-3	03/08/17
17C0246-04	2AQ-4	03/08/17
17C0246-05	2AQ-5	03/08/17
BC70439-BLK1	Blank	03/08/17
BC70439-BS1	LCS	03/08/17
BC70439-DUP1	Duplicate	03/08/17



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	Flag
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Batch BC70439 - EPA TO15 PREP

Blank (BC70439-BLK1)

Prepared & Analyzed: 03/08/2017

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.40	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
Naphthalene	ND	5.2	"								



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70439 - EPA TO15 PREP

Blank (BC70439-BLK1)

n-Heptane	ND	0.41	ug/m³								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.26	"								

Surrogate: p-Bromofluorobenzene 9.45 ppbv 10.0 94.5 72-118 Prepared & Analyzed: 03/08/2017

LCS (BC70439-BS1)

1,1,1,2-Tetrachloroethane	10.2	ppbv	10.0	102	70-130						
1,1,1-Trichloroethane	10.6	"	10.0	106	70-130						
1,1,2,2-Tetrachloroethane	10.2	"	10.0	102	70-130						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	"	10.0	105	70-130						
1,1,2-Trichloroethane	9.91	"	10.0	99.1	70-130						
1,1-Dichloroethane	10.2	"	10.0	102	70-130						
1,1-Dichloroethylene	10.0	"	10.0	100	70-130						
1,2,4-Trichlorobenzene	9.67	"	10.0	96.7	70-130						
1,2,4-Trimethylbenzene	10.2	"	10.0	102	70-130						
1,2-Dibromoethane	10.0	"	10.0	100	70-130						
1,2-Dichlorobenzene	10.1	"	10.0	101	70-130						
1,2-Dichloroethane	10.0	"	10.0	100	70-130						
1,2-Dichloropropane	9.83	"	10.0	98.3	70-130						
1,2-Dichlorotetrafluoroethane	12.2	"	10.0	122	70-130						
1,3,5-Trimethylbenzene	10.1	"	10.0	101	70-130						
1,3-Butadiene	11.1	"	10.0	111	70-130						
1,3-Dichlorobenzene	9.93	"	10.0	99.3	70-130						
1,3-Dichloropropane	9.70	"	10.0	97.0	70-130						
1,4-Dichlorobenzene	9.77	"	10.0	97.7	70-130						
1,4-Dioxane	8.30	"	10.0	83.0	70-130						
2-Butanone	9.14	"	10.0	91.4	70-130						
2-Hexanone	8.37	"	10.0	83.7	70-130						
3-Chloropropene	10.5	"	10.0	105	70-130						
4-Methyl-2-pentanone	9.08	"	10.0	90.8	70-130						
Acetone	8.29	"	10.0	82.9	70-130						
Acrylonitrile	10.5	"	10.0	105	70-130						
Benzene	9.92	"	10.0	99.2	70-130						
Benzyl chloride	10.8	"	10.0	108	70-130						
Bromodichloromethane	10.0	"	10.0	100	70-130						
Bromoform	11.0	"	10.0	110	70-130						
Bromomethane	10.4	"	10.0	104	70-130						

**Volatile Organic Compounds in Air by GC/MS - Quality Control Data****York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	Flag
Batch BC70439 - EPA TO15 PREP											
LCS (BC70439-BS1)											
Carbon disulfide	11.0		ppbv	10.0		110	70-130				
Carbon tetrachloride	10.6		"	10.0		106	70-130				
Chlorobenzene	10.0		"	10.0		100	70-130				
Chloroethane	11.0		"	10.0		110	70-130				
Chloroform	9.99		"	10.0		99.9	70-130				
Chloromethane	11.5		"	10.0		115	70-130				
cis-1,2-Dichloroethylene	10.7		"	10.0		107	70-130				
cis-1,3-Dichloropropylene	11.5		"	10.0		115	70-130				
Cyclohexane	10.0		"	10.0		100	70-130				
Dibromochloromethane	10.1		"	10.0		101	70-130				
Dichlorodifluoromethane	11.3		"	10.0		113	70-130				
Ethyl acetate	10.2		"	10.0		102	70-130				
Ethyl Benzene	10.1		"	10.0		101	70-130				
Hexachlorobutadiene	10.5		"	10.0		105	70-130				
Isopropanol	10.6		"	10.0		106	70-130				
Methyl Methacrylate	10.2		"	10.0		102	70-130				
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	70-130				
Methylene chloride	9.76		"	10.0		97.6	70-130				
Naphthalene	7.90		"	10.0		79.0	70-130				
n-Heptane	9.97		"	10.0		99.7	70-130				
n-Hexane	10.3		"	10.0		103	70-130				
o-Xylene	10.3		"	10.0		103	70-130				
p- & m- Xylenes	20.2		"	20.0		101	70-130				
p-Ethyltoluene	10.9		"	10.0		109	70-130				
Propylene	11.0		"	10.0		110	70-130				
Styrene	10.4		"	10.0		104	70-130				
Tetrachloroethylene	8.04		"	10.0		80.4	70-130				
Tetrahydrofuran	9.63		"	10.0		96.3	70-130				
Toluene	9.76		"	10.0		97.6	70-130				
trans-1,2-Dichloroethylene	10.7		"	10.0		107	70-130				
trans-1,3-Dichloropropylene	11.5		"	10.0		115	70-130				
Trichloroethylene	10.2		"	10.0		102	70-130				
Trichlorofluoromethane (Freon 11)	10.6		"	10.0		106	70-130				
Vinyl acetate	12.2		"	10.0		122	70-130				
Vinyl bromide	11.3		"	10.0		113	70-130				
Vinyl Chloride	11.3		"	10.0		113	70-130				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	72-118				

**Volatile Organic Compounds in Air by GC/MS - Quality Control Data****York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70439 - EPA TO15 PREP

Duplicate (BC70439-DUP1)	*Source sample: 17C0246-01 (2AQ-1)						Prepared & Analyzed: 03/08/2017				
1,1,1,2-Tetrachloroethane	ND	0.80	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	0.63	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.80	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.89	"		ND					25	
1,1,2-Trichloroethane	ND	0.63	"		ND					25	
1,1-Dichloroethane	ND	0.47	"		ND					25	
1,1-Dichloroethylene	ND	0.46	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.86	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.57	"		ND					25	
1,2-Dibromoethane	ND	0.89	"		ND					25	
1,2-Dichlorobenzene	ND	0.70	"		ND					25	
1,2-Dichloroethane	ND	0.47	"		ND					25	
1,2-Dichloropropane	ND	0.54	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.81	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.57	"		ND					25	
1,3-Butadiene	ND	0.77	"		ND					25	
1,3-Dichlorobenzene	ND	0.70	"		ND					25	
1,3-Dichloropropane	ND	0.54	"		ND					25	
1,4-Dichlorobenzene	ND	0.70	"		ND					25	
1,4-Dioxane	ND	0.84	"		ND					25	
2-Butanone	1.2	0.34	"		1.2				0.00	25	
2-Hexanone	ND	0.95	"		ND					25	
3-Chloropropene	ND	1.8	"		ND					25	
4-Methyl-2-pentanone	ND	0.48	"		ND					25	
Acetone	19	0.55	"		19				0.593	25	
Acrylonitrile	ND	0.25	"		ND					25	
Benzene	0.67	0.37	"		0.67				0.00	25	
Benzyl chloride	ND	0.60	"		ND					25	
Bromodichloromethane	ND	0.78	"		ND					25	
Bromoform	ND	1.2	"		ND					25	
Bromomethane	ND	0.45	"		ND					25	
Carbon disulfide	ND	0.36	"		ND					25	
Carbon tetrachloride	0.58	0.18	"		0.58				0.00	25	
Chlorobenzene	ND	0.53	"		ND					25	
Chloroethane	ND	0.31	"		ND					25	
Chloroform	ND	0.57	"		ND					25	
Chloromethane	1.8	0.24	"		1.7				6.99	25	
cis-1,2-Dichloroethylene	ND	0.46	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.53	"		ND					25	
Cyclohexane	ND	0.40	"		ND					25	
Dibromochloromethane	ND	0.99	"		ND					25	
Dichlorodifluoromethane	2.3	0.57	"		2.8				18.2	25	
Ethyl acetate	1.3	0.84	"		1.3				0.00	25	
Ethyl Benzene	ND	0.50	"		ND					25	
Hexachlorobutadiene	ND	1.2	"		ND					25	
Isopropanol	8.0	0.57	"		8.1				1.77	25	
Methyl Methacrylate	ND	0.48	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.42	"		ND					25	
Methylene chloride	4.4	0.81	"		4.4				0.00	25	
Naphthalene	ND	6.1	"		ND					25	
n-Heptane	ND	0.48	"		ND					25	

**Volatile Organic Compounds in Air by GC/MS - Quality Control Data****York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
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Batch BC70439 - EPA TO15 PREP

Duplicate (BC70439-DUP1)	*Source sample: 17C0246-01 (2AQ-1)					Prepared & Analyzed: 03/08/2017				
n-Hexane	1.2	0.41	ug/m³		1.2				0.00	25
o-Xylene	ND	0.50	"		ND					25
p- & m- Xylenes	ND	1.0	"		ND					25
p-Ethyltoluene	ND	0.57	"		ND					25
Propylene	ND	0.20	"		ND					25
Styrene	ND	0.49	"		ND					25
Tetrachloroethylene	ND	0.20	"		ND					25
Tetrahydrofuran	ND	0.68	"		ND					25
Toluene	6.4	0.44	"		6.2				3.46	25
trans-1,2-Dichloroethylene	ND	0.46	"		ND					25
trans-1,3-Dichloropropylene	ND	0.53	"		ND					25
Trichloroethylene	14	0.16	"		14				1.79	25
Trichlorofluoromethane (Freon 11)	1.6	0.65	"		1.7				3.92	25
Vinyl acetate	ND	0.41	"		ND					25
Vinyl bromide	ND	0.51	"		ND					25
Vinyl Chloride	ND	0.30	"		ND					25
Surrogate: p-Bromofluorobenzene	9.68		ppbv		10.0		96.8	72-118		



Notes and Definitions

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06611
(203) 325-1371 FAX (203) 357-0166

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 you.

York Project No

Page 1 of 1

Page 27 of 27