Former Sep's Cleaners Site

250 Livonia Ave.

Brooklyn, New York

NYSDEC Spill No. 0712821

Periodic Review Report

Prepared for:
The New York State Department of Environmental Conservation

Prepared by:

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Revisions to Final Approved Periodic Review Report:

Revision #	Submitted Date	Summary of Revision	DEC Approval Date

February, 2024

Certification

I, Ravi Korlipara, PE, PhD certify that all of the following statements are true:

(a) the institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by DER;

(b) nothing has occurred that would impair the ability of such control to protect public health and the environment;

(c) nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control;

(d) access to the Site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control; and

(e) if a financial assurance mechanism is required under the oversight Final DER-10 Page 25 of 226 Technical Guidance for Site Investigation and Remediation May 2010 document for the site, the mechanism remains valid and sufficient for their intended purpose under the document [certifier may delete this clause if no financial assurance is required for the remedial program and re-letter the certification accordingly].

_____

Signature/ Date/ PE Stamp

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LIST OF ACRONYMS

AS	Air Sparging
D	Deep
DER	Division of Environmental Remediation
EC	Engineering Control
ELAP	Environmental Laboratory Approval Program
IC	Institutional Control
MW	Monitoring Well
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCE	Tetrachloroethene
PID	Photoionization Detector
PRR	Periodic Review Report
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RAWP	Remedial Action Work Plan
S	Shallow
SIM	Select Ion Monitoring
SMP	Site Management Plan
SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion
TCE	Trichloroethene
TO	Toxic Organics
VOC	Volatile Organic Compound

EXECUTIVE SUMMARY

Site Identification: NYSDEC P Site No. 224283
Former Sep's Cleaners
250 Livonia Ave.
Brooklyn, Kings County, New York

This Periodic Review Report (PRR) is submitted as a component of the remedial program at the former Sep's Cleaners property (the "Site") located at the above address.

The Site consists of a multi-tenant commercial building with an asphalt-paved rear alleyway. The active remediation at the Site has been completed and included an Interim Remedial Measures (IRMs) action for the removal of contaminated soil from the rear alleyway. An air sparging/soil vapor extraction system (AS/SVE) system was then installed at the Site to remediate the soil and groundwater and to act as a Sub-Slab Depressurization System (SSDS). Institutional and Engineering Controls (ICs/ECs) have been incorporated into the Site remedy to control exposure to remaining contamination.

The remedial system at the Site reduced the concentrations of contaminants sufficiently to allow the groundwater and soil remediation to be complete. Due to the presence of remaining contamination consisting of soil vapor beneath the basement of the building, an SSDS was installed to replace the SVE system and continues to effectively operate at the Site.

This PRR will address the operation of the SSDS and other Engineering and Institutional Controls (ICs/ ECs).

SECTION 1.0
SITE OVERVIEW

1.1 Introduction

The Former Sep's Cleaners Site was investigated and remediated due to releases of tetrachloroethylene (PCE) to the subsurface soil beneath the Site and the groundwater beneath and downgradient of the Site. This PRR provides a summary of the environmental history of the Site as well as an evaluation of the operation of the SSDS that was installed at the Site to address the remaining contamination.

A Remedial Investigation (RI) was performed at the Site to determine the nature and extent of contamination at the Site. It was determined that soil contamination was present at the Site and groundwater contamination was present at and downgradient of the Site. The primary source area of soil and groundwater contamination was identified as a location adjacent to a dumpster platform in the rear alleyway.

An Interim Remedial Measures (IRM) action was undertaken at the Site. The IRM for the Site consisted of the removal of contaminated soil from the area in the rear alleyway of the building. An AS/SVE system was installed at the Site to remediate the soil and groundwater and to act as a sub-slab depressurization system (SSDS).

Following the completion of the remediation of the soil and groundwater, An SSDS was installed within the basement of the building to address the residual contamination and the potential for soil vapor intrusion. Institutional Controls (ICs) and Engineering Controls (ECs) were established for the Site.

Site management activities, as provided in the Site Management Plan (SMP) and the necessary ICs/ECs certification are provided in this PRR.

This PRR provides the information necessary to document the basis for the ICs/ECs certification. To the extent applicable, the Site monitoring data, as well as results of the inspections, should be evaluated as part of the periodic review to confirm that ECs, that include a Sub-Slab Depressurization System (SSDS) and associated ICs are in place, and are performing properly and remain effective. This PRR has been prepared for the certification period which summarizes compliance with the SMP, i.e., the ICs/ECs, monitoring and operations and maintenance plans, based on the Site-wide inspections in

conducted at the Site. The monitoring plan is being implemented; operation and maintenance activities are being conducted as needed; and based on this review, the remedy continues to be protective of public health and the environment and is compliant with the SMP.

1.2 Site Location

The Site is located at 250 Livonia Ave., Brooklyn, Kings County, New York and is identified as Block 3590, Lot 16 on the New York City Tax Map. The Site is approximately 0.57-acres in area and contains a multi-tenant commercial building with an adjacent rear alleyway. The Site is bounded by Livonia Ave. to the north, a private parking lot to the south, an office building to the east, and Rockaway Ave. to the west (see Figure 1 for the Site Layout).

1.3 Investigation and Remedial History

The former Sep's Cleaners unit is currently occupied by the Brownsville Gourmet Deli. The deli is the westernmost unit located within a larger building that contains, west to east, the deli, a Chinese take-out restaurant, a pizza restaurant, a check cashing business, and a supermarket. The building contains a basement below the units with individual basement areas for each business, however, the check-cashing business does not have a basement beneath it (the pizza restaurant basement area extends under the check-cashing business).

The Site is connected to the New York City municipal water supply system and sewage is discharged to the municipal sewer system. The Site building was constructed in 1972.

Sep's Cleaners performed dry cleaning operations and was listed as a Resource Conservation and Recovery Act Small Quantity Generator of spent halogenated wastes.

1.3.1 Summary of Site Investigation Findings

Site Investigation (SIs) were performed to characterize the nature and extent of contamination at the Site. The results of the SIs are described in the following reports:

- Site Investigation Report for the Former Sep's Cleaners Site" (Dermody Consulting, December, 2008)
- Supplemental SI reports by Dermody Consulting dated March 10, March 23, and May 1, 2009.

The SIs determined that soil contamination consisting primarily of PCE was present in the soil beneath the alleyway at the rear of the building.

Groundwater samples were obtained during the SIs from groundwater monitoring wells and Geoprobe sampling locations. Groundwater contamination was found to be present primarily beneath the rear alleyway and was migrating generally to the south-southeast.

The highest concentrations of PCE and its degradation products were detected in the shallow groundwater located adjacent to the former concrete dumpster platform (this area also contained the highest PCE concentrations in the soil).

Soil vapor sampling was performed during the SIs throughout the area of the basement beneath the concrete floor. The vapor sampling results showed elevated concentrations of PCE as well as elevated concentrations of PCE degradation products.

It was also found that upgradient wells showed the presence of PCE and its degradation products in the groundwater. Therefore, there is or was an off-Site contribution of contamination in the groundwater at the Site.

Also, soil vapor contamination was detected beneath the downgradient building occupied by Verizon which is located to the south of the private parking lot adjacent and south of the Site. Soil vapor intrusion monitoring was performed for three years at the Verizon building and NYSDEC then determined that no further action was required.

1.3.2 Summary of Remedial Actions

The Site was remediated in accordance with the NYSDEC-approved Remedial Action Work Plan (RAWP)(2009) and the subsequent Final Design Report (2013).

The primary area of soil contamination was located in the rear driveway from the back door of the common access for the deli and Chinese restaurant, to the area of the former concrete dumpster platform. The IRM action was performed in 2009 and resulted in the excavation and disposal of 33 tons of soil from the area adjacent and west and northwest of the dumpster platform. The excavated area was backfilled with clean sand.

The purpose of this action was to remove soil containing the most significant concentrations of PCE. The remaining contamination at that time was addressed by the SVE system.

As per the Remedial Action Work Plan (RAWP), the installation of a remedial system was proposed to address the soil, soil vapor, and groundwater contamination at the Site.

The remedial system that was installed at the Site consisted of SVE to address the soil and soil vapor contamination, and AS to address the groundwater contamination. The system was in operation from July, 2014 to October, 2022.

1.4 Remaining Contamination

The remedial system operated for approximately eight years. Based on quarterly groundwater sampling results and remedial system monitoring, there was a significant decrease in the concentrations of contaminants over time.

The last round of groundwater samples were obtained in January, 2021 and the results showed continued low concentrations and the NYSDEC determined that the groundwater remediation was complete and no further groundwater monitoring was required.

For the soil contamination, the soil excavation IRM addressed the area of soil containing the highest concentrations of contaminants. The remaining contamination present in the soil following the IRM were addressed by the SVE, which operated to remove residual VOCs from the vadose zone soil. Upon operation of the system, monitoring of the concentrations of volatile organic compounds (VOCs) was performed with a photoionization detector (PID). The PID readings during the first few months of system operation showed vapor concentrations that in some instances exceeded 500 parts per million (ppm). For readings from 2017 and thereafter, concentrations of soil vapor had been generally below 5 ppm. The IRM and SVE had the effect of both removing soil contamination (as discussed above) and removing soil vapor contamination, which reduced the potential for SVI.

The SVE system continued operate as a sub-slab depressurization system (SSDS) as well as a soil remediation system until October, 2022 when a separate SSDS was installed within the building.

The remaining contamination (soil vapor) is currently being addressed by the SSDS.

SECTION 2.0
REMEDY PERFORMANCE

Since the potential for soil vapor intrusion exists at the building at the Site due to residual contamination in the soil, ECs and ICs were implemented to protect human health and the environment. This section describes the status of the EC/ICs at the Site.

2.1 Engineering Controls

Exposure to remaining contamination in the soil at the Site is prevented by an approximately four-inch layer of asphalt in the alleyway at the rear of the building at the Site. In the event of the need for a breach of the asphalt for any reason, an Excavation Work Plan will be prepared that will describe the work to be performed.

To address the potential for soil vapor intrusion into the Site building, an SSDS was installed in the building's basement.

2.2 SSDS Operation

The suction well locations associated with the SSDS system are shown in Figure 2. The SSDS was installed at the Site from the period from June to October, 2022. The system consists of 12 suction wells installed in the Site building's basement. Each suction well consists of two-inch PVC pipe with a two-foot-long screened section of pipe installed and sealed below the basement's concrete floor, and a RadonAway suction fan installed at each location. The vapors are discharged, through piping, to the rear exterior of the building and above the building's roofline. In addition, vacuum monitoring points were installed at 16 locations to assure that adequate vacuum exists beneath the entire building to address the potential for soil vapor intrusion to the basement. Figure 2 contains the locations of the vacuum monitoring points.

2.3 Institutional Controls

A series of ICs are required to: (1) implement, maintain, and monitor EC systems; (2) prevent future exposure to residual contamination; and (3) limit the use and development of the Site to commercial and industrial uses. Adherence to these ICs on the Site is required by the Environmental Easement and will be implemented. ICs identified in the Environmental Easement may not be discontinued without an amendment to, or extinguishment of, the Environmental Easement.

These ICs include:

- The property may be used for commercial and industrial use.
- All ECs must be operated and maintained.
- All ECs on the Site area must be inspected.
- Environmental sampling and monitoring will be performed.
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health and Mental Hygiene to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
- Data and information pertinent to Site management must be reported;
- Monitoring to assess the performance and effectiveness of the ECs must be performed;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the ECs shall be performed;
- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
- The potential for soil vapor intrusion must be evaluated for any additional buildings developed in the area within the IC boundaries, and any potential impacts that are identified must be monitored or mitigated; and
- Vegetable gardens and farming on the Site are prohibited.

2.4 Criteria for Completion of Remediation/Termination of the SSDS

The SSDS is expected to be required for a period of 10 to 20 years, although it may be required for a longer period, especially if the known groundwater contamination from an upgradient source continues to impact the groundwater beneath the Site building.

The remedial process is considered completed when effectiveness monitoring indicates that the remedy has achieved the remedial action objectives. When this occurs, the

remedial party or site owner may propose that the SSDS be shut down. System closure will be initiated when the remedial action objectives for the SSDS are achieved.

In no case will Site closure be considered if the Site remains a threat to public health or the environment or it will create a public health exposure or environmental impact, unless the human exposure or environmental impact can be mitigated by another means.

Mitigation or monitoring actions associated with the potential for soil vapor intrusion within the building soil vapor intrusion were undertaken (by installing an SSDS) in accordance with the or the most recent NYSDOH guidance document, "Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006)" and appropriate updates.

2.5 Site Closeout

Site closeout will occur when all ICs/ECs are no longer required. The remedial party or the Site owner may petition DER, or DER can independently initiate Site closeout. Site closeout may be initiated when soil vapor intrusion mitigation measures (SSDS) in accordance with the most recent NYSDOH guidance have been completed as necessary. When the conditions have been met, Site closeout is documented by preparation of the final PRR, in accordance with 6.3(a)5. 1 of DER-10. The final PRR will include sufficient data tables and graphs to illustrate that the requirements have been satisfied. Site closeout may proceed when it has been determined by DER, in accordance with subdivision 6.3(a)5 of DER-10, that all ICs/ECs identified for the Site are no longer necessary.

Upon DER approval of the final PRR, the SSDS operation can be discontinued, the environmental easement extinguished or deed restrictions removed and the Site closed out.

The final PRR and all other required reports and/or documentation identified by this section will be provided in an electronic format.

SECTION 3.0
SITE MONITORING

The Site monitoring schedule is as follows:

Monitoring Schedule

Monitoring Program	Frequency	Matrix	Analysis
SVE Vapor	Annually	Air	VOCs by PID
Indoor Air	Annually	Air	VOCs by Method TO-15
Site-Wide Inspection	Annually	Not Applicable	Not Applicable
Vacuum Monitoring	Annually	Not Applicable	Not Applicable

3.1 SSDS Effluent Sampling Results

The 2023 soil vapor monitoring (SSDS effluent) was performed in May, 2023 with Summa Canisters and laboratory analysis. Subsequent sampling rounds will be performed with a PID. The samples were obtained from each of the sampling ports at each suction well and are located on the discharge side of the suction fan.

The samples were obtained by connecting a length of polyethylene tubing from the Summa Canister to the sampling port. Vapor was obtained over a period of approximately one minute until the Summa Canister was filled. The canister valve was then closed. A chain-of-custody form was completed for all canisters and the air samples were transferred to York Analytical Laboratories, Inc. within 48 hours for analysis by EPA Method TO-15.

The suction well locations are shown in Figure 2 and the results of the sampling are summarized in Table 1. The laboratory report is provided in Appendix A. The results primarily show detections of PCE and its degradation products and will be used, along with future PID readings, to assist in determining when de-minimus concentrations of VOCs are detected.

Elevated concentrations of PCE, primarily at SW-4, beneath the Chinese restaurant, at 3,300 mcg/m3. All other effluent samples contained PCE concentrations

ranging from 2.0 to 310 mcg/m3. Also at SW-4, trichloroethylene was detected at 370 mcg/m3 and cis-1,2-dichloroethylene was detected at 260 mcg/m3. All other detections of these VOCs were significantly lower. None of the other, non-targeted VOCs detected appeared to be present in the sub-slab vapor at elevated concentrations.

3.2 Indoor/Outdoor Air Sampling Results

To evaluate the effectiveness of the SSDS in preventing soil vapor intrusion into the Site building, indoor and outdoor air sampling was performed in March, 2023 to determine the concentrations of VOCs. The samples were obtained with six-liter Summa Canisters with flow restrictors to obtain each sample over an eight-hour period. Each sample was set with the intake set at a height of approximately 3 to 5 feet above the concrete floor.

Indoor air sampling was performed within each of the four basements: Brownsville Deli, the Chinese Restaurant, the Pizza Restaurant, and the Supermarket. The outdoor sample was obtained from the rear alleyway. The indoor and outdoor air sampling locations are shown in Figure 3 and the sampling results are shown in Table 2. The laboratory report is found in Appendix B. The results show that the indoor air contained no detections of PCE or its degradation products. The outdoor air contained a concentration of trichloroethylene of 5.1 ug/m3. For other VOCs, there were some detections at concentrations above the NYSDOH 90th Percentile Values or the EPA Building Assessment Survey and Evaluation Study concentrations that represent typical VOC concentrations in commercial buildings. These detected VOCs include acetone, chloroform, ethyl acetate, and styrene. These chemicals were not detected at elevated concentration within the basement of the deli (the former Sep's Cleaners unit) and do not appear to be related to the releases associated with Sep's Cleaners.

Based on these findings, there is no evidence of PCE-related VOCs in the indoor air that exceed applicable standards or guidelines.

3.3 Sub-Slab Vacuum Monitoring

The annual vacuum monitoring was conducted at the Site in March, 2023. 16 vacuum monitoring points are present in the building's basement for the purpose of assuring that the vacuum throughout the basement of the building shows adequate vacuum to address the potential for soil vapor intrusion.

The vacuum monitoring was performed in March, 2023 by using an Infiltec Digital Micromanometer Model DM-1 connected with polyethylene tubing at each monitoring location. The vacuum results are provided in Table 3 and show that all vacuum levels

exceed the NYSDOH guideline level of -0.004 inches of water. This indicates that the SSDS is operating effectively to address soil vapor intrusion.

3.4 Site-Wide Inspection

A Site-wide inspection was performed in March, 2023 by Dr. Ravi Korlipara, PhD and Peter Dermody, CPG. The inspection assessed the following:

- Compliance with all ICs, including Site usage: the Site was in compliance with all ICs and there was no change in use of the Site.
- An evaluation of the condition and continued effectiveness of ECs: the SSDS was operating as designed and there were no breaches of the asphalt in the rear alleyway adjacent to the Site building or significant cracks in the basement's concrete floor.
- General Site conditions at the time of the inspection: there were no changes in the general Site conditions and no issues were identified that had the reasonable potential to impact to ECs.
- The Site management activities being conducted including, where appropriate, a health and safety inspection: indoor air samples are obtained annually and showed that the SSDS is effectively addressing soil vapor intrusion.
- Compliance with the schedules included in the Operation and Maintenance Plan: the annual sampling of the indoor air, evaluation of SSDS operation and performance, and monitoring of effluent VOC concentrations are being completed annually.

SECTION 4.0
OPERATIONS AND MAINTENANCE

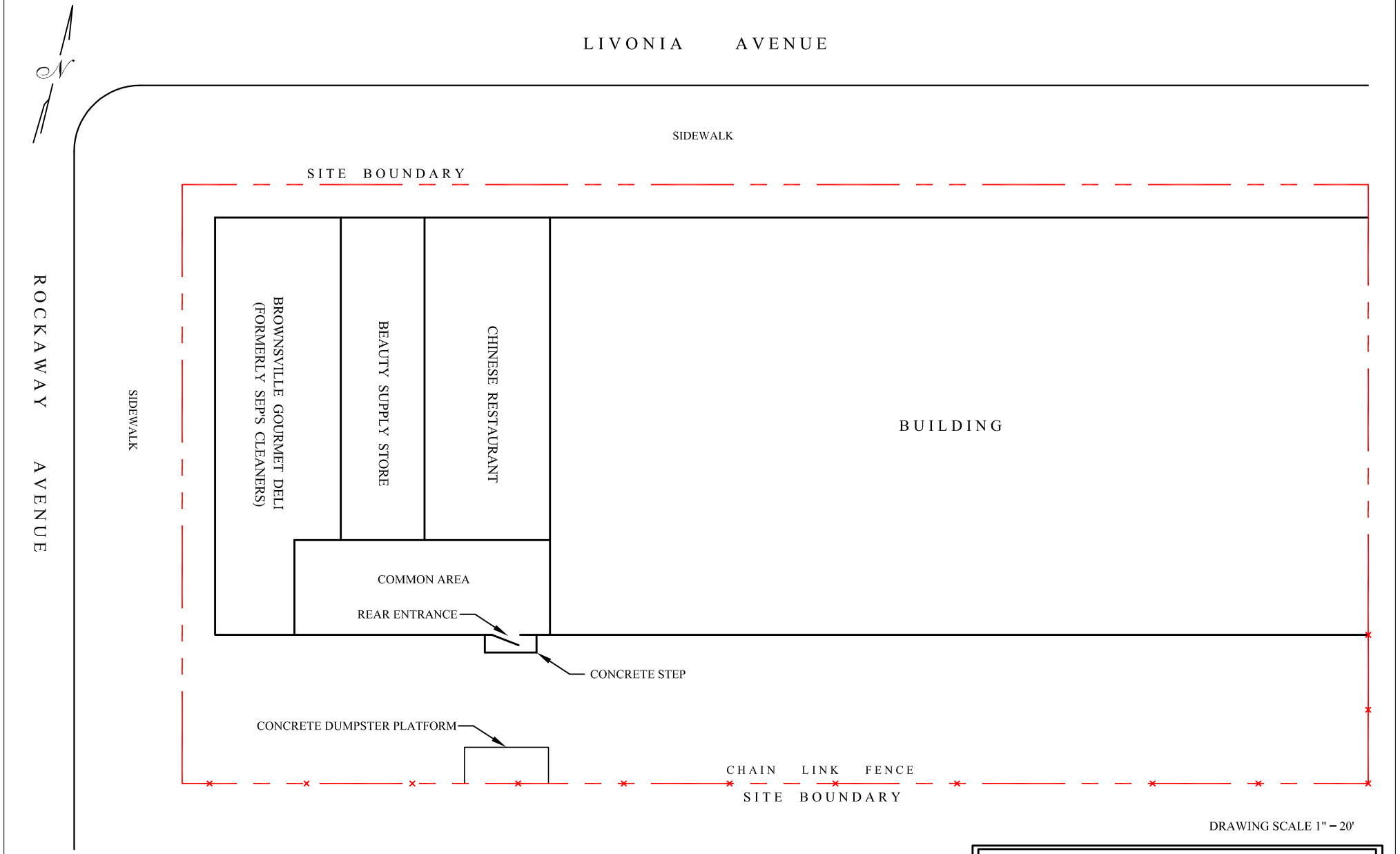
As contained in the SMP, the Operations and Maintenance (O&M) Plan included procedures to determine the efficacy and maintenance of the SSDS at the Site.

The Site was inspected and the SSDS was found to be operating properly and there were no cracks or other damage in any of the SSDS piping components or suction fans.

Vacuum monitoring was performed and showed adequate vacuum at all monitoring at all locations and thereby demonstrated that the entire basement was included in the area of influence of the suction wells. SSDS were obtained from the effluent side of the suction wells and indications of the concentrations of PCE, its degradation products, and other VOCs. The results of these investigations are reported earlier Section 3.0 of this PRR. No other O&M issues were identified.

An EC/IC Certification Form is provided Appendix C.

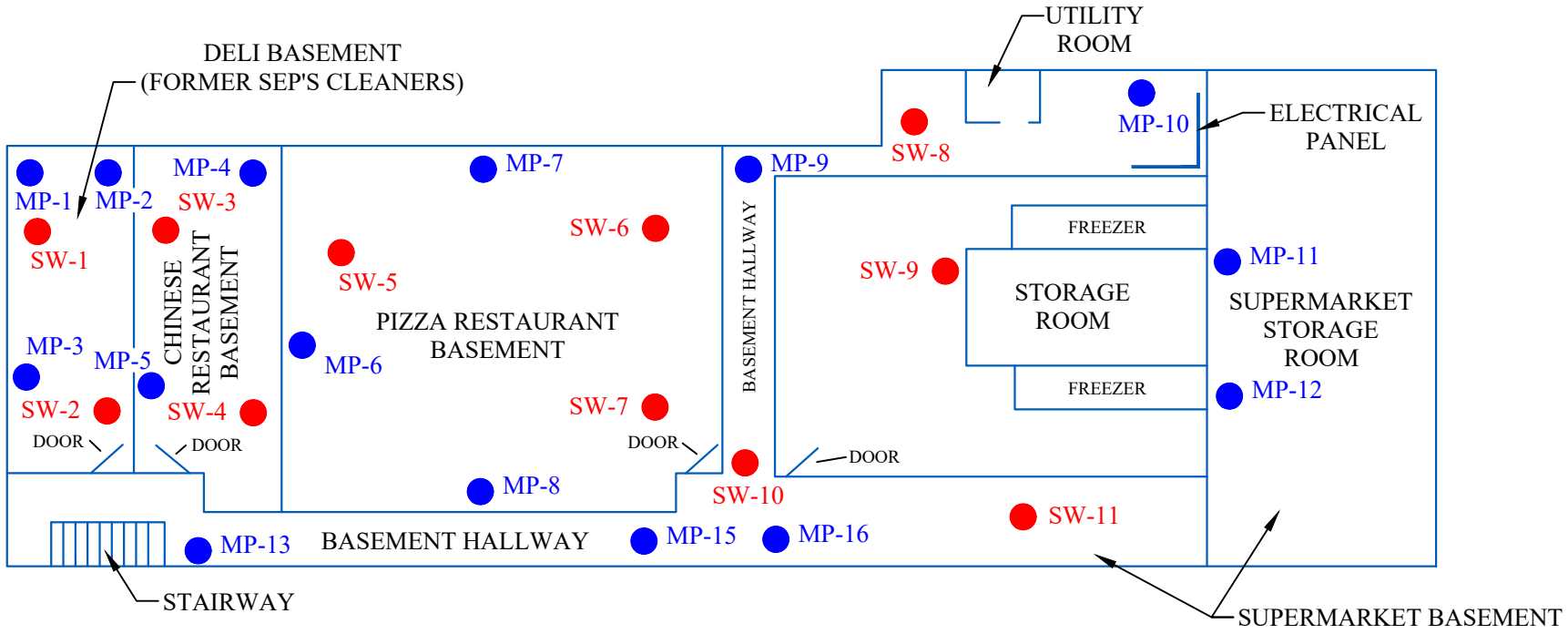
Figures



DRAWING SCALE 1" = 20'

DERMODY CONSULTING
CENTER MORICHES, NEW YORK

FIGURE 1
SITE LOCATION AND BOUNDARIES
250 LIVONIA AVENUE
BROOKLYN, NEW YORK



LEGEND

SW-1 SUBSLAB WITHDRAWAL POINT

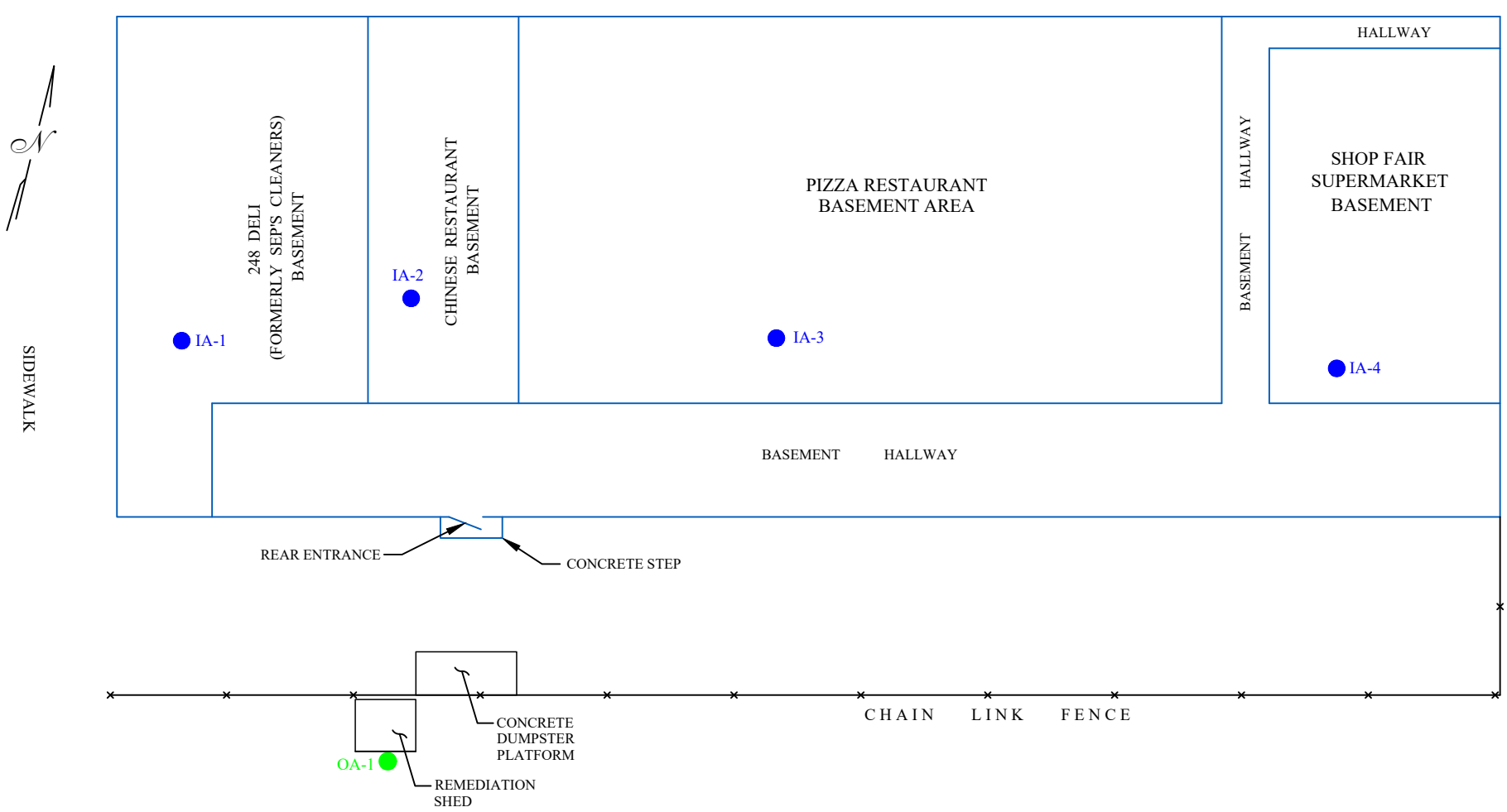
MP-1 VACUUM MONITORING POINT

SCALE 1' = 20'

Dermody Consulting
Center Moriches, New York

FIGURE 2

SUCTION AND
VACUUM WELL
LOCATIONS
250 LIVONIA AVENUE



LEGEND

IA-1 INDOOR AIR SAMPLE LOCATION

OA-1 OUTDOOR AIR SAMPLE LOCATION

DRAWING SCALE 1" = 20'

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FIGURE 3
BASEMENT AND OUTDOOR
AIR SAMPLING LOCATIONS
250 LIVONIA AVENUE

Tables

Table 1
SSDS Effluent Chemical Analytical Results
Former Sep's Cleaners
May, 2023

Sample ID	SW-3	SW-4	SW-5	SW-6	SW-7	SW-8	SW-9	SW-10	SW-11
Sample Date	**5-25-23**	**5-25-23**	**5-25-23**	**5-25-23**	**5-25-23**	**5-25-23**	**5-25-23**	**5-25-23**	**5-25-23**
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.78	ND	ND	ND
2-Butanone	0.56	ND	1.8	1.6	0.99	5.7	1.1	10	2.1
Acetone	16	26	57	50	25	59 B	74 B	20 B	39 B
Benzene	ND	ND	ND	ND	ND	ND	ND	1.0	ND
Carbon tetrachloride	ND	ND	0.43	0.44	ND	0.50	0.70	0.42	0.81
Chloroform	9.8	14	10	12	10	4.8	9.7	1.1	12
Chloromethane	0.45 TO-CCV, TO-LCS-H	ND	0.98 TO-CCV, TO-LCs-H	1.1 TO-CCV, TO-LCS-H	0.65 TO-CCV, TO-LCS-H	1.1	0.72	1.3	0.49
cis-1,2-Dichloroethylene	6.1	260	2.2	0.69	15	ND	0.82	ND	1.2
Cyclohexane	ND	ND	ND	ND	ND	0.55	ND	0.68	
Dichlorodifluoromethane	1.4	ND	2.3	2.3	2.5	2.4	3.6	2.4	3.8
***Ethyl acetate**	1.4	ND	2.2	2.4	ND	3.8	5.1	ND	2.2
Isopropanol	9.7 B	19 B	13 B	13 B	7.7 B	17 B	21 B	4.7 B	8.3 B
n-Heptane	0.90	ND	2.1	2.0	1.0	3.5	7.9	2.2	4.6
n-Hexane	0.46	ND	0.60	ND	ND	1.8	0.73	1.7	ND
o-Xylene	ND	ND	ND	ND	ND	0.69	ND	1.2	ND
p- & m- Xylenes	ND	ND	ND	ND	ND	1.8	ND	3.6	ND

Table 1 *(continued)*
Volatile Organic Compounds
Indoor Air Chemical Analytical Results
Former Sep's Cleaners, Brooklyn, New York

Sample ID	SW-3	SW-4	SW-5	SW-6	SW-7	SW-8	SW-9	SW-10	SW-11
Sample Date	**5-25-23**	**5-25-23**	**5-25-23**	**5-25-23**	**5-25-23**	**5-25-23**	**5-25-23**	**5-25-23**	**5-25-23**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	1.3	ND
Tetrachloroethylene	310	3,300	82	34	310	2.0	16	3.7	21
***Tetrahydrofuran**	ND	ND	ND	ND	ND	4.1	ND	5.8	ND
Toluene	3.7	5.1	9.0	8.6	4.5	11	29	7.8	17
trans-1,2-Dichloroethylene	0.63	11	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	14	370	6.0	1.7	12	ND	0.51		0.79
Trichlorofluoromethane (Freon 11)	0.73	ND	1.4	1.4	1.4	1.3	2.2	1.3	2.3
1,2-Dichlorotetrafluoroethane	ND	ND	1.3 TO-CCV, TO-LCS-H	1.8 TO-CCV, TO-LCS-H	1.2 TO-CCV, TO-LCS-H	ND	ND	ND	ND

Notes:
All results reported in micrograms per cubic meter.
Only detected analytes are reported.
B – analyte is found in analysis blank.
* - Analyte is not certified, or the state of the sample's origination does not offer certification for the analyte.
TO-CCV - The value reported is estimated for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
TO-LCS-H - The result reported for this compound may be biased high due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
ND - Not Detected: the analyte is not detected at the reported level (LOQ/RL or LOD/MDL).

Table 2
Volatile Organic Compounds
Indoor/Outdoor Air Sampling Results
Former Sep's Cleaners

Sample ID	IA-1	IA-2	IA-3	IA-4	OA-1	EPA BASE/ 90th NYSDOH Values
Sample Date	**3-31-23**	**3-31-23**	**3-31-23**	**3-31-23**	**3-31-23**	
1,4-Dichlorobenzene	ND	ND	1.2	ND	ND	5.5
1,2,4-Trimethylbenzene	ND	0.82	ND	ND	ND	14
2-Butanone	1.5	3.3	7.1	4.8	0.82	12
Acetone	14	45	83	**120**	39	98.9
Benzene	1.3	2.9	1.4	ND	0.83	9.4
Carbon tetrachloride	0.47	0.95	1.1	0.86	0.70	<1.3
Chloroform	0.6	**2.1**	**12**	**2.4**	ND	1.1
Chloromethane	1.1	2.4	2.5	2.5	2.4	3.7
Cyclohexane	0.35	0.83	ND	0.59	ND	NL
Dichlorodifluoromethane	1.9	4.4	4.0	4.0	3.9	16.5
***Ethyl acetate**	0.41	3.2	**6.3**	**6.9**	ND	5.4
Isopropanol	7.9	27	64	65	3.4	NL
Methylene chloride	1.0	1.9	2.7	1.9	2.1	**60**
n-Heptane	1.2	4.8	6.4	11	ND	NL
n-Hexane	0.99	2.1	1.3	1.0	ND	10.2
o-Xylene	0.57	1.7	1.5	0.89	ND	7.9
p- & m- Xylenes	1.4	3.9	2.9	1.9	ND	NL

Table 2 *(continued)*
Volatile Organic Compounds
Indoor/Outdoor Air Sampling Results
Former Sep's Cleaners

Sample ID	IA-1	IA-2	IA-3	IA-4	OA-1	EPA Percentile/ NYSDOH Values BASE
Sample Date	**3-31-23**	**3-31-23**	**3-31-23**	**3-31-23**	**3-31-23**	
***p-Ethyltoluene**	0.89	1.9	ND	ND	ND	BASE NL
Styrene	1.2	ND	1.9	**2.1**	ND	90th 1.9
Tetrachloroethylene	ND	ND	ND	ND	ND	**30**
***Tetrahydrofuran**	3.4	ND	ND	ND	ND	NL
Toluene	15	19	19	35	1.1	43
Trichloroethylene	ND	ND	ND	ND	**5.1**	**2**
Trichlorofluoromethane (Freon 11)	2.4	2.5	2.5	2.8	2.2	18.1

Notes:
All results reported in micrograms per cubic meter.
Only detected analytes are reported.
NL – not listed in EPA Building Assessment and Survey (BASE) database or NYSDOH standards.
ND - Not Detected.
B – analyte is found in analysis blank.
* - Analyte is not certified, or the state of the sample's origination does not offer certification for the analyte.
TO-CCV - The value reported is estimated for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
TO-LCS-L - The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
The 90th percentile EPA BASE values are used with the exception of the bold values in this column which are the NYSDOH values from the Guidance for Evaluating Soil Vapor Intrusion in the State Of New York.

ND - Not Detected: the analyte is not detected at the reported level (LOQ/RL or LOD/MDL).

Bolded analytical results values indicate an exceedance of the 90th percentile EPA BASE values and/or the NYSDOH values from the "Guidance for Evaluating Soil Vapor Intrusion in the State Of New York."

Table 3
Sub-Slab Vacuum Monitoring Results
Former Sep's Cleaners
March, 2023

Pressure Monitoring Point	Vacuum in Inches Water Column
MP-1	-0.
MP-2	-0.047
MP-3	NR
MP-4	NR
MP-5	-0.334
MP-6	-0.380
MP-7	-0.217
MP-8	-0.041
MP-9	-0.029
MP-10	NR
MP-11	-0.018
MP-12	-0.041
MP-13	-0.89
MP-14	-0.66
MP-15	-0.90
MP-16	-0.277

NR- no reading obtained

Appendix A

Technical Report

prepared for:

Dermody Consulting, Inc.
32 Chichester Ave., 2nd Floor
Center Moriches NY, 11934
Attention: Peter Dermody

Report Date: 06/08/2023
Client Project ID: Livonia Ave.
York Project (SDG) No.: 23E1663

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 STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 06/08/2023
Client Project ID: Livonia Ave.
York Project (SDG) No.: 23E1663

Dermody Consulting, Inc.
32 Chichester Ave., 2nd Floor
Center Moriches NY, 11934
Attention: Peter Dermody

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 May 26, 2023 and listed below. The project was identified as your project: **Livonia Ave.**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23E1663-01	SW-3	Soil Vapor	05/25/2023	05/26/2023
23E1663-02	SW-4	Soil Vapor	05/25/2023	05/26/2023
23E1663-03	SW-5	Soil Vapor	05/25/2023	05/26/2023
23E1663-04	SW-6	Soil Vapor	05/25/2023	05/26/2023
23E1663-05	SW-7	Soil Vapor	05/25/2023	05/26/2023
23E1663-06	SW-8	Soil Vapor	05/25/2023	05/26/2023
23E1663-07	SW-9	Soil Vapor	05/25/2023	05/26/2023
23E1663-08	SW-10	Soil Vapor	05/25/2023	05/26/2023
23E1663-09	SW-11	Soil Vapor	05/25/2023	05/26/2023

General Notes for York Project (SDG) No.: 23E1663

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

Approved By: 

Date: 06/08/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SW-3 **York Sample ID:** 23E1663-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.69	1	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 13:13	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.55	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.69	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.77	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.40	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.099	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.74	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.49	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.77	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.60	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.40	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.46	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.70	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.49	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
106-99-0	1,3-Butadiene	ND		ug/m³	0.66	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.60	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.46	1	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 13:13	VH

Sample Information

Client Sample ID: SW-3 **York Sample ID:** 23E1663-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.60	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
123-91-1	1,4-Dioxane	ND		ug/m³	0.72	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
78-93-3	**2-Butanone**	**0.56**		ug/m³	0.29	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
591-78-6	* 2-Hexanone	ND	CAL-E	ug/m³	0.82	1	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 13:13	VH
107-05-1	3-Chloropropene	ND		ug/m³	1.6	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.41	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
67-64-1	**Acetone**	**16**		ug/m³	0.71	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
107-13-1	Acrylonitrile	ND		ug/m³	0.22	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
71-43-2	Benzene	ND		ug/m³	0.32	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
100-44-7	Benzyl chloride	ND		ug/m³	0.52	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
75-27-4	Bromodichloromethane	ND		ug/m³	0.67	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
75-25-2	Bromoform	ND		ug/m³	1.0	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
74-83-9	Bromomethane	ND		ug/m³	0.39	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
75-15-0	Carbon disulfide	ND		ug/m³	0.31	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
56-23-5	Carbon tetrachloride	ND		ug/m³	0.16	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
108-90-7	Chlorobenzene	ND		ug/m³	0.46	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
75-00-3	Chloroethane	ND		ug/m³	0.26	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
67-66-3	**Chloroform**	**9.8**		ug/m³	0.49	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
74-87-3	**Chloromethane**	**0.45**	TO-CCV, TO-LCS-H	ug/m³	0.21	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH

Sample Information

Client Sample ID: SW-3 **York Sample ID:** 23E1663-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	**cis-1,2-Dichloroethylene**	**6.1**		ug/m³	0.099	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.45	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
110-82-7	Cyclohexane	ND		ug/m³	0.34	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
124-48-1	Dibromochloromethane	ND		ug/m³	0.85	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
75-71-8	**Dichlorodifluoromethane**	**1.4**		ug/m³	0.49	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
141-78-6	*** Ethyl acetate**	**1.4**		ug/m³	0.72	1	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 13:13	VH
100-41-4	Ethyl Benzene	ND		ug/m³	0.43	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
67-63-0	**Isopropanol**	**9.7**	B	ug/m³	1.2	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
80-62-6	Methyl Methacrylate	ND		ug/m³	0.41	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.36	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
75-09-2	Methylene chloride	ND		ug/m³	0.69	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
142-82-5	**n-Heptane**	**0.90**		ug/m³	0.41	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
110-54-3	**n-Hexane**	**0.46**		ug/m³	0.35	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
95-47-6	o-Xylene	ND		ug/m³	0.43	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.87	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.49	1	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 13:13	VH
115-07-1	* Propylene	ND		ug/m³	0.17	1	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 13:13	VH
100-42-5	Styrene	ND		ug/m³	0.43	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
127-18-4	**Tetrachloroethylene**	**310**		ug/m³	9.6	14.14	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/06/2023 06:00	06/06/2023 20:45	YR

Sample Information

Client Sample ID: SW-3 **York Sample ID:** 23E1663-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.59	1	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 13:13	VH
108-88-3	**Toluene**	**3.7**		ug/m³	0.38	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
156-60-5	**trans-1,2-Dichloroethylene**	**0.63**		ug/m³	0.40	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.45	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
79-01-6	**Trichloroethylene**	**14**		ug/m³	0.13	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
75-69-4	**Trichlorofluoromethane (Freon 11)**	**0.73**		ug/m³	0.56	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
108-05-4	Vinyl acetate	ND		ug/m³	0.35	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
593-60-2	Vinyl bromide	ND		ug/m³	0.44	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH
75-01-4	Vinyl Chloride	ND		ug/m³	0.13	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 13:13	VH

Sample Information

Client Sample ID: SW-4 **York Sample ID:** 23E1663-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	6.2	9.085	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 14:00	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	5.0	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	6.2	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	7.0	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	5.0	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH

Sample Information

Client Sample ID: SW-4 **York Sample ID:** 23E1663-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/m³	3.7	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.90	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	6.7	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	4.5	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH
106-93-4	1,2-Dibromoethane	ND		ug/m³	7.0	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	5.5	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	3.7	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH
78-87-5	1,2-Dichloropropane	ND		ug/m³	4.2	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	6.4	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	4.5	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH
106-99-0	1,3-Butadiene	ND		ug/m³	6.0	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	5.5	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	4.2	9.085	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 14:00	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	5.5	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH
123-91-1	1,4-Dioxane	ND		ug/m³	6.5	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH
78-93-3	2-Butanone	ND		ug/m³	2.7	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH
591-78-6	* 2-Hexanone	ND	CAL-E	ug/m³	7.4	9.085	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 14:00	VH
107-05-1	3-Chloropropene	ND		ug/m³	14	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	3.7	9.085	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:00	VH

Sample Information

Client Sample ID: SW-4 **York Sample ID:** 23E1663-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**26**		ug/m³	6.5	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	2.0	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	Benzene	ND		ug/m³	2.9	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	4.7	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	6.1	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	9.4	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	3.5	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	2.8	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	Carbon tetrachloride	ND		ug/m³	1.4	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	4.2	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	2.4	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	**Chloroform**	**14**		ug/m³	4.4	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	Chloromethane	ND		ug/m³	1.9	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	**cis-1,2-Dichloroethylene**	**260**		ug/m³	0.90	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	4.1	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	3.1	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	7.7	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	Dichlorodifluoromethane	ND		ug/m³	4.5	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	6.5	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications:			

Sample Information

Client Sample ID: SW-4 **York Sample ID:** 23E1663-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m³	3.9	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
87-68-3	Hexachlorobutadiene	ND		ug/m³	9.7	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
67-63-0	**Isopropanol**	**19**	B	ug/m³	11	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
80-62-6	Methyl Methacrylate	ND		ug/m³	3.7	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	3.3	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
75-09-2	Methylene chloride	ND		ug/m³	6.3	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
142-82-5	n-Heptane	ND		ug/m³	3.7	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
110-54-3	n-Hexane	ND		ug/m³	3.2	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
95-47-6	o-Xylene	ND		ug/m³	3.9	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
179601-23-1	p- & m- Xylenes	ND		ug/m³	7.9	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
622-96-8	* p-Ethyltoluene	ND		ug/m³	4.5	9.085	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 14:00	VH
115-07-1	* Propylene	ND		ug/m³	1.6	9.085	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 14:00	VH
100-42-5	Styrene	ND		ug/m³	3.9	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
127-18-4	**Tetrachloroethylene**	**3300**		ug/m³	13	18.71	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/06/2023 06:00	06/06/2023 21:41	YR
109-99-9	* Tetrahydrofuran	ND		ug/m³	5.4	9.085	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 14:00	VH
108-88-3	**Toluene**	**5.1**		ug/m³	3.4	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
156-60-5	**trans-1,2-Dichloroethylene**	**11**		ug/m³	3.6	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	4.1	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH
79-01-6	**Trichloroethylene**	**370**		ug/m³	1.2	9.085	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:00	VH

Sample Information

Client Sample ID: SW-4 **York Sample ID:** 23E1663-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	5.1	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	3.2	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	4.0	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	1.2	9.085	EPA TO-15	06/08/2023 07:00	06/08/2023 14:00	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SW-5 **York Sample ID:** 23E1663-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.2	1.7	EPA TO-15	06/08/2023 07:00	06/08/2023 14:53	VH
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.93	1.7	EPA TO-15	06/08/2023 07:00	06/08/2023 14:53	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.7	EPA TO-15	06/08/2023 07:00	06/08/2023 14:53	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.3	1.7	EPA TO-15	06/08/2023 07:00	06/08/2023 14:53	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.93	1.7	EPA TO-15	06/08/2023 07:00	06/08/2023 14:53	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.69	1.7	EPA TO-15	06/08/2023 07:00	06/08/2023 14:53	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.17	1.7	EPA TO-15	06/08/2023 07:00	06/08/2023 14:53	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.3	1.7	EPA TO-15	06/08/2023 07:00	06/08/2023 14:53	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.84	1.7	EPA TO-15	06/08/2023 07:00	06/08/2023 14:53	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SW-5 **York Sample ID:** 23E1663-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.0	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.69	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.79	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH
76-14-2	**1,2-Dichlorotetrafluoroethane**	**1.3**	TO-CCV, TO-LCS-H	ug/m³	1.2	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.84	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH
106-99-0	1,3-Butadiene	ND		ug/m³	1.1	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.0	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.79	1.7	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 14:53	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.0	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH
123-91-1	1,4-Dioxane	ND		ug/m³	1.2	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH
78-93-3	**2-Butanone**	**1.8**		ug/m³	0.50	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH
591-78-6	* 2-Hexanone	ND	CAL-E	ug/m³	1.4	1.7	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 14:53	VH
107-05-1	3-Chloropropene	ND		ug/m³	2.7	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.70	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH
67-64-1	**Acetone**	**57**		ug/m³	1.2	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH
107-13-1	Acrylonitrile	ND		ug/m³	0.37	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH
71-43-2	Benzene	ND		ug/m³	0.54	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH
100-44-7	Benzyl chloride	ND		ug/m³	0.88	1.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 14:53	VH

Sample Information

Client Sample ID: SW-5 **York Sample ID:** 23E1663-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
75-25-2	Bromoform	ND		ug/m³	1.8	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
74-83-9	Bromomethane	ND		ug/m³	0.66	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
75-15-0	Carbon disulfide	ND		ug/m³	0.53	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
56-23-5	**Carbon tetrachloride**	**0.43**		ug/m³	0.27	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
108-90-7	Chlorobenzene	ND		ug/m³	0.78	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
75-00-3	Chloroethane	ND		ug/m³	0.45	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
67-66-3	**Chloroform**	**10**		ug/m³	0.83	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
74-87-3	**Chloromethane**	**0.98**	TO-CCV, TO-LCS-H	ug/m³	0.35	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
156-59-2	**cis-1,2-Dichloroethylene**	**2.2**		ug/m³	0.17	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.77	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
110-82-7	Cyclohexane	ND		ug/m³	0.59	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
75-71-8	**Dichlorodifluoromethane**	**2.3**		ug/m³	0.84	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
141-78-6	*** Ethyl acetate**	**2.2**		ug/m³	1.2	1.7	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 14:53	VH
100-41-4	Ethyl Benzene	ND		ug/m³	0.74	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.8	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
67-63-0	**Isopropanol**	**13**	B	ug/m³	2.1	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
80-62-6	Methyl Methacrylate	ND		ug/m³	0.70	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH

Sample Information

Client Sample ID: SW-5 **York Sample ID:** 23E1663-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.61	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
75-09-2	Methylene chloride	ND		ug/m³	1.2	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
142-82-5	**n-Heptane**	**2.1**		ug/m³	0.70	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
110-54-3	**n-Hexane**	**0.60**		ug/m³	0.60	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
95-47-6	o-Xylene	ND		ug/m³	0.74	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.5	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.84	1.7	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 14:53	VH
115-07-1	* Propylene	ND		ug/m³	0.29	1.7	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 14:53	VH
100-42-5	Styrene	ND		ug/m³	0.72	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
127-18-4	**Tetrachloroethylene**	**82**		ug/m³	1.2	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.0	1.7	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 14:53	VH
108-88-3	**Toluene**	**9.0**		ug/m³	0.64	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.67	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.77	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
79-01-6	**Trichloroethylene**	**6.0**		ug/m³	0.23	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.4**		ug/m³	0.96	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
108-05-4	Vinyl acetate	ND		ug/m³	0.60	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
593-60-2	Vinyl bromide	ND		ug/m³	0.74	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH
75-01-4	Vinyl Chloride	ND		ug/m³	0.22	1.7	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 14:53	VH

Sample Information

Client Sample ID: SW-6 **York Sample ID:** 23E1663-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.2	1.743	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 15:46	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.95	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.3	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.95	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.71	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.17	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.3	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.86	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.0	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.71	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.81	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
76-14-2	**1,2-Dichlorotetrafluoroethane**	**1.8**	TO-CCV, TO-LCS-H	ug/m³	1.2	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.86	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
106-99-0	1,3-Butadiene	ND		ug/m³	1.2	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.0	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.81	1.743	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 15:46	VH

Sample Information

Client Sample ID: SW-6 **York Sample ID:** 23E1663-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.0	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
123-91-1	1,4-Dioxane	ND		ug/m³	1.3	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
78-93-3	**2-Butanone**	**1.6**		ug/m³	0.51	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
591-78-6	* 2-Hexanone	ND	CAL-E	ug/m³	1.4	1.743	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 15:46	VH
107-05-1	3-Chloropropene	ND		ug/m³	2.7	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.71	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
67-64-1	**Acetone**	**50**		ug/m³	1.2	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
107-13-1	Acrylonitrile	ND		ug/m³	0.38	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
71-43-2	Benzene	ND		ug/m³	0.56	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
100-44-7	Benzyl chloride	ND		ug/m³	0.90	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
75-27-4	Bromodichloromethane	ND		ug/m³	1.2	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
75-25-2	Bromoform	ND		ug/m³	1.8	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
74-83-9	Bromomethane	ND		ug/m³	0.68	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
75-15-0	Carbon disulfide	ND		ug/m³	0.54	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
56-23-5	**Carbon tetrachloride**	**0.44**		ug/m³	0.27	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
108-90-7	Chlorobenzene	ND		ug/m³	0.80	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
75-00-3	Chloroethane	ND		ug/m³	0.46	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
67-66-3	**Chloroform**	**12**		ug/m³	0.85	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH
74-87-3	**Chloromethane**	**1.1**	TO-CCV, TO-LCS-H	ug/m³	0.36	1.743	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 15:46	VH

Sample Information

Client Sample ID: SW-6 **York Sample ID:** 23E1663-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	**cis-1,2-Dichloroethylene**	**0.69**		ug/m³	0.17	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.79	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	0.60	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	1.5	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**2.3**		ug/m³	0.86	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	*** Ethyl acetate**	**2.4**		ug/m³	1.3	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.76	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.9	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**13**	B	ug/m³	2.1	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.71	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.63	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	Methylene chloride	ND		ug/m³	1.2	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**2.0**		ug/m³	0.71	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	n-Hexane	ND		ug/m³	0.61	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	o-Xylene	ND		ug/m³	0.76	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.5	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.86	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.30	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.74	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SW-6 **York Sample ID:** 23E1663-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	**Tetrachloroethylene**	**34**		ug/m³	1.2	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.0	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications:			
108-88-3	**Toluene**	**8.6**		ug/m³	0.66	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.69	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.79	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**1.7**		ug/m³	0.23	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.4**		ug/m³	0.98	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.61	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.76	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.22	1.743	EPA TO-15	06/08/2023 07:00	06/08/2023 15:46	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SW-7 **York Sample ID:** 23E1663-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.2	1.759	EPA TO-15	06/08/2023 07:00	06/08/2023 16:39	VH
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.96	1.759	EPA TO-15	06/08/2023 07:00	06/08/2023 16:39	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.759	EPA TO-15	06/08/2023 07:00	06/08/2023 16:39	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.3	1.759	EPA TO-15	06/08/2023 07:00	06/08/2023 16:39	VH
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SW-7 **York Sample ID:** 23E1663-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.96	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.71	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.17	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.3	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.86	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.4	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.1	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.71	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.81	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
76-14-2	**1,2-Dichlorotetrafluoroethane**	**1.2**		ug/m³	1.2	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.86	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
106-99-0	1,3-Butadiene	ND		ug/m³	1.2	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.1	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.81	1.759	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 16:39	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.1	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
123-91-1	1,4-Dioxane	ND		ug/m³	1.3	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
78-93-3	**2-Butanone**	**0.99**		ug/m³	0.52	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
591-78-6	* 2-Hexanone	ND	CAL-E	ug/m³	1.4	1.759	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 16:39	VH
107-05-1	3-Chloropropene	ND		ug/m³	2.8	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH

Sample Information

Client Sample ID: SW-7 **York Sample ID:** 23E1663-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.72	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
67-64-1	**Acetone**	**25**		ug/m³	1.3	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
107-13-1	Acrylonitrile	ND		ug/m³	0.38	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
71-43-2	Benzene	ND		ug/m³	0.56	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
100-44-7	Benzyl chloride	ND		ug/m³	0.91	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
75-27-4	Bromodichloromethane	ND		ug/m³	1.2	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
75-25-2	Bromoform	ND		ug/m³	1.8	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
74-83-9	Bromomethane	ND		ug/m³	0.68	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
75-15-0	Carbon disulfide	ND		ug/m³	0.55	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
56-23-5	Carbon tetrachloride	ND		ug/m³	0.28	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
108-90-7	Chlorobenzene	ND		ug/m³	0.81	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
75-00-3	Chloroethane	ND		ug/m³	0.46	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
67-66-3	**Chloroform**	**10**		ug/m³	0.86	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
74-87-3	**Chloromethane**	**0.65**	TO-CCV, TO-LCS-H	ug/m³	0.36	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
156-59-2	**cis-1,2-Dichloroethylene**	**15**		ug/m³	0.17	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.80	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
110-82-7	Cyclohexane	ND		ug/m³	0.61	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
124-48-1	Dibromochloromethane	ND		ug/m³	1.5	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH
75-71-8	**Dichlorodifluoromethane**	**2.5**		ug/m³	0.87	1.759	EPA TO-15 Certifications:	06/08/2023 07:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:39	VH

Sample Information

Client Sample ID: SW-7 **York Sample ID:** 23E1663-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* Ethyl acetate	ND		ug/m³	1.3	1.759	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 16:39	VH
100-41-4	Ethyl Benzene	ND		ug/m³	0.76	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.9	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
67-63-0	**Isopropanol**	**7.7**	B	ug/m³	2.2	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
80-62-6	Methyl Methacrylate	ND		ug/m³	0.72	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.63	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
75-09-2	Methylene chloride	ND		ug/m³	1.2	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
142-82-5	**n-Heptane**	**1.0**		ug/m³	0.72	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
110-54-3	n-Hexane	ND		ug/m³	0.62	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
95-47-6	o-Xylene	ND		ug/m³	0.76	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.5	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.86	1.759	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 16:39	VH
115-07-1	* Propylene	ND		ug/m³	0.30	1.759	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 16:39	VH
100-42-5	Styrene	ND		ug/m³	0.75	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
127-18-4	**Tetrachloroethylene**	**310**		ug/m³	1.2	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.0	1.759	EPA TO-15 Certifications:	06/08/2023 07:00	06/08/2023 16:39	VH
108-88-3	**Toluene**	**4.5**		ug/m³	0.66	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.70	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.80	1.759	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 07:00	06/08/2023 16:39	VH

Sample Information

Client Sample ID: SW-7 **York Sample ID:** 23E1663-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	**Trichloroethylene**	**12**		ug/m³	0.24	1.759	EPA TO-15	06/08/2023 07:00	06/08/2023 16:39	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.4**		ug/m³	0.99	1.759	EPA TO-15	06/08/2023 07:00	06/08/2023 16:39	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.62	1.759	EPA TO-15	06/08/2023 07:00	06/08/2023 16:39	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.77	1.759	EPA TO-15	06/08/2023 07:00	06/08/2023 16:39	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.22	1.759	EPA TO-15	06/08/2023 07:00	06/08/2023 16:39	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SW-8 **York Sample ID:** 23E1663-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.1	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.87	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.1	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.2	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.87	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.64	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.16	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.2	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SW-8** **York Sample ID:** **23E1663-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**0.78**		ug/m³	0.78	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.2	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.95	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.64	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.73	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.1	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.78	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	1.1	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.95	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.73	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.95	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	1.1	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**5.7**		ug/m³	0.47	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	1.3	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	2.5	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.65	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**59**	B	ug/m³	1.1	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.34	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	Benzene	ND		ug/m³	0.51	1.588	EPA TO-15	06/08/2023 02:00	06/08/2023 15:07	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SW-8 **York Sample ID:** 23E1663-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-44-7	Benzyl chloride	ND		ug/m³	0.82	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
75-25-2	Bromoform	ND		ug/m³	1.6	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
74-83-9	Bromomethane	ND		ug/m³	0.62	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
75-15-0	Carbon disulfide	ND		ug/m³	0.49	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
56-23-5	**Carbon tetrachloride**	**0.50**		ug/m³	0.25	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
108-90-7	Chlorobenzene	ND		ug/m³	0.73	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
75-00-3	Chloroethane	ND		ug/m³	0.42	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
67-66-3	**Chloroform**	**4.8**		ug/m³	0.78	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
74-87-3	**Chloromethane**	**1.1**		ug/m³	0.33	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.16	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.72	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
110-82-7	**Cyclohexane**	**0.55**		ug/m³	0.55	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
75-71-8	**Dichlorodifluoromethane**	**2.4**		ug/m³	0.79	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
141-78-6	*** Ethyl acetate**	**3.8**		ug/m³	1.1	1.588	EPA TO-15 Certifications:	06/08/2023 02:00	06/08/2023 15:07	YR
100-41-4	Ethyl Benzene	ND		ug/m³	0.69	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.7	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
67-63-0	**Isopropanol**	**17**	B	ug/m³	2.0	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
80-62-6	Methyl Methacrylate	ND		ug/m³	0.65	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR

Sample Information

Client Sample ID: SW-8 **York Sample ID:** 23E1663-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.57	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
75-09-2	Methylene chloride	ND		ug/m³	1.1	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
142-82-5	**n-Heptane**	**3.5**		ug/m³	0.65	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
110-54-3	**n-Hexane**	**1.8**		ug/m³	0.56	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
95-47-6	**o-Xylene**	**0.69**		ug/m³	0.69	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
179601-23-1	**p- & m- Xylenes**	**1.8**		ug/m³	1.4	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.78	1.588	EPA TO-15 Certifications:	06/08/2023 02:00	06/08/2023 15:07	YR
115-07-1	* Propylene	ND		ug/m³	0.27	1.588	EPA TO-15 Certifications:	06/08/2023 02:00	06/08/2023 15:07	YR
100-42-5	Styrene	ND		ug/m³	0.68	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
127-18-4	**Tetrachloroethylene**	**2.0**		ug/m³	1.1	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
109-99-9	*** Tetrahydrofuran**	**4.1**		ug/m³	0.94	1.588	EPA TO-15 Certifications:	06/08/2023 02:00	06/08/2023 15:07	YR
108-88-3	**Toluene**	**11**		ug/m³	0.60	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.63	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.72	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
79-01-6	Trichloroethylene	ND		ug/m³	0.21	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.3**		ug/m³	0.89	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
108-05-4	Vinyl acetate	ND		ug/m³	0.56	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
593-60-2	Vinyl bromide	ND		ug/m³	0.69	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR
75-01-4	Vinyl Chloride	ND		ug/m³	0.20	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 15:07	YR

Sample Information

Client Sample ID: SW-9 **York Sample ID:** 23E1663-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.1	1.588	EPA TO-15 Certifications:	06/08/2023 02:00	06/08/2023 16:10	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.87	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.1	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.2	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.87	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.64	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.16	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.2	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.78	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.2	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.95	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.64	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.73	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.1	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.78	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
106-99-0	1,3-Butadiene	ND		ug/m³	1.1	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.95	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.73	1.588	EPA TO-15 Certifications:	06/08/2023 02:00	06/08/2023 16:10	YR
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.95	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR

Sample Information

Client Sample ID: **SW-9** **York Sample ID:** **23E1663-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m³	1.1	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
78-93-3	**2-Butanone**	**1.1**		ug/m³	0.47	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
591-78-6	* 2-Hexanone	ND		ug/m³	1.3	1.588	EPA TO-15 Certifications:	06/08/2023 02:00	06/08/2023 16:10	YR
107-05-1	3-Chloropropene	ND		ug/m³	2.5	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.65	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
67-64-1	**Acetone**	**74**	B	ug/m³	1.1	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
107-13-1	Acrylonitrile	ND		ug/m³	0.34	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
71-43-2	Benzene	ND		ug/m³	0.51	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
100-44-7	Benzyl chloride	ND		ug/m³	0.82	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
75-25-2	Bromoform	ND		ug/m³	1.6	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
74-83-9	Bromomethane	ND		ug/m³	0.62	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
75-15-0	Carbon disulfide	ND		ug/m³	0.49	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
56-23-5	**Carbon tetrachloride**	**0.70**		ug/m³	0.25	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
108-90-7	Chlorobenzene	ND		ug/m³	0.73	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
75-00-3	Chloroethane	ND		ug/m³	0.42	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
67-66-3	**Chloroform**	**9.7**		ug/m³	0.78	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
74-87-3	**Chloromethane**	**0.72**		ug/m³	0.33	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
156-59-2	**cis-1,2-Dichloroethylene**	**0.82**		ug/m³	0.16	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR

Sample Information

Client Sample ID: SW-9 **York Sample ID:** 23E1663-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.72	1.588	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:10	YR
110-82-7	Cyclohexane	ND		ug/m³	0.55	1.588	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:10	YR
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.588	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:10	YR
75-71-8	**Dichlorodifluoromethane**	**3.6**		ug/m³	0.79	1.588	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:10	YR
141-78-6	*** Ethyl acetate**	**5.1**		ug/m³	1.1	1.588	EPA TO-15 Certifications:	06/08/2023 02:00	06/08/2023 16:10	YR
100-41-4	Ethyl Benzene	ND		ug/m³	0.69	1.588	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:10	YR
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.7	1.588	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:10	YR
67-63-0	**Isopropanol**	**21**	B	ug/m³	2.0	1.588	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:10	YR
80-62-6	Methyl Methacrylate	ND		ug/m³	0.65	1.588	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:10	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.57	1.588	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:10	YR
75-09-2	Methylene chloride	ND		ug/m³	1.1	1.588	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:10	YR
142-82-5	**n-Heptane**	**7.9**		ug/m³	0.65	1.588	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:10	YR
110-54-3	**n-Hexane**	**0.73**		ug/m³	0.56	1.588	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:10	YR
95-47-6	o-Xylene	ND		ug/m³	0.69	1.588	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:10	YR
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.4	1.588	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:10	YR
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.78	1.588	EPA TO-15 Certifications:	06/08/2023 02:00	06/08/2023 16:10	YR
115-07-1	* Propylene	ND		ug/m³	0.27	1.588	EPA TO-15 Certifications:	06/08/2023 02:00	06/08/2023 16:10	YR
100-42-5	Styrene	ND		ug/m³	0.68	1.588	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:10	YR
127-18-4	**Tetrachloroethylene**	**16**		ug/m³	1.1	1.588	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 16:10	YR

Sample Information

Client Sample ID: SW-9 **York Sample ID:** 23E1663-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.94	1.588	EPA TO-15 Certifications:	06/08/2023 02:00	06/08/2023 16:10	YR
108-88-3	**Toluene**	**29**		ug/m³	0.60	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.63	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.72	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
79-01-6	**Trichloroethylene**	**0.51**		ug/m³	0.21	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.2**		ug/m³	0.89	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
108-05-4	Vinyl acetate	ND		ug/m³	0.56	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
593-60-2	Vinyl bromide	ND		ug/m³	0.69	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR
75-01-4	Vinyl Chloride	ND		ug/m³	0.20	1.588	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 16:10	YR

Sample Information

Client Sample ID: SW-10 **York Sample ID:** 23E1663-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.1	1.65	EPA TO-15 Certifications:	06/08/2023 02:00	06/08/2023 17:13	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.90	1.65	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 17:13	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.1	1.65	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 17:13	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.3	1.65	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 17:13	YR

Sample Information

Client Sample ID: SW-10 **York Sample ID:** 23E1663-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.90	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.67	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.16	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.2	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.81	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.99	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.67	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.76	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.81	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR
106-99-0	1,3-Butadiene	ND		ug/m³	1.1	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.99	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.76	1.65	EPA TO-15 Certifications:	06/08/2023 02:00	06/08/2023 17:13	YR
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.99	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR
123-91-1	1,4-Dioxane	ND		ug/m³	1.2	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR
78-93-3	**2-Butanone**	**10**		ug/m³	0.49	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR
591-78-6	* 2-Hexanone	ND		ug/m³	1.4	1.65	EPA TO-15 Certifications:	06/08/2023 02:00	06/08/2023 17:13	YR
107-05-1	3-Chloropropene	ND		ug/m³	2.6	1.65	EPA TO-15 Certifications:	06/08/2023 02:00 NELAC-NY12058,NJDEP-Queens	06/08/2023 17:13	YR

Sample Information

Client Sample ID: SW-10 **York Sample ID:** 23E1663-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.68	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**20**	B	ug/m³	1.2	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.36	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	**Benzene**	**1.0**		ug/m³	0.53	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	0.85	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	1.7	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	0.64	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	0.51	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	**Carbon tetrachloride**	**0.42**		ug/m³	0.26	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	0.76	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.44	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	**Chloroform**	**1.1**		ug/m³	0.81	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	**Chloromethane**	**1.3**		ug/m³	0.34	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.16	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.75	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	**Cyclohexane**	**0.68**		ug/m³	0.57	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**2.4**		ug/m³	0.82	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	1.2	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications:			

Sample Information

Client Sample ID: **SW-10** **York Sample ID:** **23E1663-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**1.3**		ug/m³	0.72	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.8	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**4.7**	B	ug/m³	2.0	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.68	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.59	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	Methylene chloride	ND		ug/m³	1.1	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**2.2**		ug/m³	0.68	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**1.7**		ug/m³	0.58	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**1.2**		ug/m³	0.72	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**3.6**		ug/m³	1.4	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.81	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.28	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.70	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**3.7**		ug/m³	1.1	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	*** Tetrahydrofuran**	**5.8**		ug/m³	0.97	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications:			
108-88-3	**Toluene**	**7.8**		ug/m³	0.62	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.65	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.75	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	Trichloroethylene	ND		ug/m³	0.22	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.3**		ug/m³	0.93	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SW-10 **York Sample ID:** 23E1663-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m³	0.58	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.72	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.21	1.65	EPA TO-15	06/08/2023 02:00	06/08/2023 17:13	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SW-11 **York Sample ID:** 23E1663-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.3	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.0	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.3	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.4	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.0	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.74	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.18	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.4	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.90	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.4	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SW-11 **York Sample ID:** 23E1663-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.1	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.74	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.85	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.3	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.90	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	1.2	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.1	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.85	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.1	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	1.3	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**2.1**		ug/m³	0.54	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	1.5	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	2.9	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.75	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**39**	B	ug/m³	1.3	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.40	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	Benzene	ND		ug/m³	0.59	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.95	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	1.2	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SW-11 **York Sample ID:** 23E1663-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/m³	1.9	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
74-83-9	Bromomethane	ND		ug/m³	0.71	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
75-15-0	Carbon disulfide	ND		ug/m³	0.57	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
56-23-5	**Carbon tetrachloride**	**0.81**		ug/m³	0.29	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
108-90-7	Chlorobenzene	ND		ug/m³	0.84	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
75-00-3	Chloroethane	ND		ug/m³	0.48	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
67-66-3	**Chloroform**	**12**		ug/m³	0.89	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
74-87-3	**Chloromethane**	**0.49**		ug/m³	0.38	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
156-59-2	**cis-1,2-Dichloroethylene**	**1.2**		ug/m³	0.18	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.83	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
110-82-7	Cyclohexane	ND		ug/m³	0.63	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
124-48-1	Dibromochloromethane	ND		ug/m³	1.6	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
75-71-8	**Dichlorodifluoromethane**	**3.8**		ug/m³	0.91	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
141-78-6	*** Ethyl acetate**	**2.2**		ug/m³	1.3	1.832	EPA TO-15 Certifications:	06/08/2023 02:00	06/08/2023 18:16	YR
100-41-4	Ethyl Benzene	ND		ug/m³	0.80	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.0	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
67-63-0	**Isopropanol**	**8.3**	B	ug/m³	2.3	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
80-62-6	Methyl Methacrylate	ND		ug/m³	0.75	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.66	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR
75-09-2	Methylene chloride	ND		ug/m³	1.3	1.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	06/08/2023 02:00	06/08/2023 18:16	YR

Sample Information

Client Sample ID: SW-11 **York Sample ID:** 23E1663-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E1663	Livonia Ave.	Soil Vapor	May 25, 2023 3:00 pm	05/26/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
142-82-5	**n-Heptane**	**4.6**		ug/m³	0.75	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	n-Hexane	ND		ug/m³	0.65	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	o-Xylene	ND		ug/m³	0.80	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.6	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.90	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.32	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.78	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**21**		ug/m³	1.2	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.1	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications:			
108-88-3	**Toluene**	**17**		ug/m³	0.69	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.73	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.83	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**0.79**		ug/m³	0.25	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.3**		ug/m³	1.0	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.65	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.80	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.23	1.832	EPA TO-15	06/08/2023 02:00	06/08/2023 18:16	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample and Data Qualifiers Relating to This Work Order

TO-VAC	The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.
TO-LCS-H	The result reported for this compound may be biased high due to its behavior in the analysis batch LCS where it recovered greater than 130% of the expected value.
TO-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon current NELAC/TNI 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.
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www.yorklab.com

Field Chain-of-Custody Record - AIR

YORK Project No. 23E1663

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

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: DERMODY CONSULTING	Company: PETER DERMODY	Company: SAME
Address:	Address:	Address:
Phone.:	Phone.:	Phone.:
Contact:	Contact:	Contact:
E-mail:	E-mail:	E-mail:

YOUR Project Number:

YOUR Project Name: Livonia Ave.

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below)

Peter Dermody

Air Matrix Codes

AI - Indoor Ambient Air
AO - Outdoor Amb. Air
AE - Vapor Extraction Well/ Process Gas/Effluent
AS - Soil Vapor/Sub-Slab

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
Other:		

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ___ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
SW-3	5/25/23	AS	30	4	23156	None	Toxs VOCs
SW-4	↓	↓	30	9	28853	↓	
SW-5			29	8	42991		↓
SW-6			30	9	28852		
SW-7			30	9	28855		
SW-8			30	7	16156		
SW-9			29	8	14193		
SW-10			30	6	28850		
SW-11			30	7	24113		

Comments:

Detection Limits Required

≤ 1 ug/m³ X ___ NYSDEC V1 Limits ___
Routine Survey ___ Other ___

Sampling Media

6 Liter Canister	
Tedlar Bag	

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Peter Dermody	5/26/23, 10A	K Bullymore	5/26/23, 1220pm	K Bullymore	5/26/23 1630
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
K Bluck	5/26/23 1630			Victor T. York	5/26/23 20:00
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
Victor D. York				YORK	05/30/23 1217

Appendix B

Technical Report

prepared for:

Dermody Consulting, Inc.
32 Chichester Ave., 2nd Floor
Center Moriches NY, 11934
Attention: Peter Dermody

Report Date: 04/14/2023
Client Project ID: Livonia Ave.
York Project (SDG) No.: 23D0020

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 STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 04/14/2023
Client Project ID: Livonia Ave.
York Project (SDG) No.: 23D0020

Dermody Consulting, Inc.
32 Chichester Ave., 2nd Floor
Center Moriches NY, 11934
Attention: Peter Dermody

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 03, 2023 and listed below. The project was identified as your project: **Livonia Ave.**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23D0020-01	IA-1	Indoor Ambient Air	03/31/2023	04/03/2023
23D0020-02	IA-2	Indoor Ambient Air	03/31/2023	04/03/2023
23D0020-03	IA-3	Indoor Ambient Air	03/31/2023	04/03/2023
23D0020-04	IA-4	Indoor Ambient Air	03/31/2023	04/03/2023
23D0020-05	OA-1	Outdoor Ambient Ai	03/31/2023	04/03/2023

General Notes for York Project (SDG) No.: 23D0020

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

Approved By: 

Date: 04/14/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: IA-1 **York Sample ID:** 23D0020-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.64	0.934	EPA TO-15 Certifications:	04/13/2023 10:00	04/13/2023 22:29	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.51	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.64	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.72	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.51	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.38	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.093	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
120-82-1	1,2,4-Trichlorobenzene	ND	TO-CCV, TO-LCS-L	ug/m³	0.69	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.46	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.72	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.56	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.38	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.43	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.65	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.46	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
106-99-0	1,3-Butadiene	ND		ug/m³	0.62	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.56	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH

Sample Information

Client Sample ID: IA-1 **York Sample ID:** 23D0020-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.43	0.934	EPA TO-15 Certifications:	04/13/2023 10:00	04/13/2023 22:29	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.56	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH
123-91-1	1,4-Dioxane	ND		ug/m³	0.67	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH
78-93-3	**2-Butanone**	**1.5**		ug/m³	0.28	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH
591-78-6	* 2-Hexanone	ND		ug/m³	0.77	0.934	EPA TO-15 Certifications:	04/13/2023 10:00	04/13/2023 22:29	VH
107-05-1	3-Chloropropene	ND		ug/m³	1.5	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.38	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH
67-64-1	**Acetone**	**14**		ug/m³	0.44	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH
107-13-1	Acrylonitrile	ND		ug/m³	0.20	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH
71-43-2	**Benzene**	**1.3**		ug/m³	0.30	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH
100-44-7	Benzyl chloride	ND	TO-LC S-L	ug/m³	0.48	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH
75-27-4	Bromodichloromethane	ND		ug/m³	0.63	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH
75-25-2	Bromoform	ND		ug/m³	0.97	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH
74-83-9	Bromomethane	ND		ug/m³	0.36	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH
75-15-0	Carbon disulfide	ND		ug/m³	0.29	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH
56-23-5	**Carbon tetrachloride**	**0.47**		ug/m³	0.15	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH
108-90-7	Chlorobenzene	ND		ug/m³	0.43	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH
75-00-3	Chloroethane	ND		ug/m³	0.25	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH
67-66-3	**Chloroform**	**0.82**		ug/m³	0.46	0.934	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/13/2023 22:29	VH

Sample Information

Client Sample ID: IA-1 **York Sample ID:** 23D0020-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	**Chloromethane**	**1.1**		ug/m³	0.19	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.093	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.42	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**0.35**		ug/m³	0.32	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	0.80	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**1.9**		ug/m³	0.46	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	*** Ethyl acetate**	**0.67**		ug/m³	0.67	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:			
100-41-4	**Ethyl Benzene**	**0.41**		ug/m³	0.41	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND	TO-LC S-L	ug/m³	1.0	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**7.9**		ug/m³	0.46	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.38	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.34	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**1.0**		ug/m³	0.65	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**1.2**		ug/m³	0.38	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**0.99**		ug/m³	0.33	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**0.57**		ug/m³	0.41	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**1.4**		ug/m³	0.81	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.46	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.16	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.40	0.934	EPA TO-15	04/13/2023 10:00	04/13/2023 22:29	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: IA-1 **York Sample ID:** 23D0020-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/m³	0.63	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.55	0.934	EPA TO-15 Certifications:	04/13/2023 10:00	04/13/2023 22:29	VH
108-88-3	**Toluene**	**4.2**		ug/m³	0.35	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.37	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.42	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
79-01-6	Trichloroethylene	ND		ug/m³	0.13	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.2**		ug/m³	0.52	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
108-05-4	Vinyl acetate	ND		ug/m³	0.33	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
593-60-2	Vinyl bromide	ND		ug/m³	0.41	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH
75-01-4	Vinyl Chloride	ND		ug/m³	0.12	0.934	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/13/2023 22:29	VH

Sample Information

Client Sample ID: IA-2 **York Sample ID:** 23D0020-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.0	1.512	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 02:48	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.83	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.0	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH

Sample Information

Client Sample ID: IA-2 **York Sample ID:** 23D0020-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.2	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.83	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.61	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.15	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
120-82-1	1,2,4-Trichlorobenzene	ND	TO-CCV, TO-LCS-L	ug/m³	1.1	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
95-63-6	**1,2,4-Trimethylbenzene**	**0.82**		ug/m³	0.74	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.2	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.91	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.61	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.70	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.1	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.74	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
106-99-0	1,3-Butadiene	ND		ug/m³	1.0	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.91	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.70	1.512	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 02:48	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.91	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
123-91-1	1,4-Dioxane	ND		ug/m³	1.1	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
78-93-3	**2-Butanone**	**3.3**		ug/m³	0.45	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH

Sample Information

Client Sample ID: IA-2 **York Sample ID:** 23D0020-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m³	1.2	1.512	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 02:48	VH
107-05-1	3-Chloropropene	ND		ug/m³	2.4	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.62	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
67-64-1	**Acetone**	**45**		ug/m³	0.72	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
107-13-1	Acrylonitrile	ND		ug/m³	0.33	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
71-43-2	**Benzene**	**2.9**		ug/m³	0.48	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
100-44-7	Benzyl chloride	ND	TO-LC S-L	ug/m³	0.78	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
75-27-4	Bromodichloromethane	ND		ug/m³	1.0	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
75-25-2	Bromoform	ND		ug/m³	1.6	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
74-83-9	Bromomethane	ND		ug/m³	0.59	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
75-15-0	Carbon disulfide	ND		ug/m³	0.47	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
56-23-5	**Carbon tetrachloride**	**0.95**		ug/m³	0.24	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
108-90-7	Chlorobenzene	ND		ug/m³	0.70	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
75-00-3	Chloroethane	ND		ug/m³	0.40	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
67-66-3	**Chloroform**	**2.1**		ug/m³	0.74	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
74-87-3	**Chloromethane**	**2.4**		ug/m³	0.31	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.15	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.69	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH
110-82-7	**Cyclohexane**	**0.83**		ug/m³	0.52	1.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 02:48	VH

Sample Information

Client Sample ID: IA-2 **York Sample ID:** 23D0020-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/m³	1.3	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH
75-71-8	**Dichlorodifluoromethane**	**4.4**		ug/m³	0.75	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH
141-78-6	*** Ethyl acetate**	**3.2**		ug/m³	1.1	1.512	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 02:48	VH
100-41-4	**Ethyl Benzene**	**1.1**		ug/m³	0.66	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH
87-68-3	Hexachlorobutadiene	ND	TO-LC S-L	ug/m³	1.6	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH
67-63-0	**Isopropanol**	**27**		ug/m³	0.74	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH
80-62-6	Methyl Methacrylate	ND		ug/m³	0.62	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.55	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH
75-09-2	**Methylene chloride**	**1.9**		ug/m³	1.1	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH
142-82-5	**n-Heptane**	**4.8**		ug/m³	0.62	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH
110-54-3	**n-Hexane**	**2.1**		ug/m³	0.53	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH
95-47-6	**o-Xylene**	**1.7**		ug/m³	0.66	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH
179601-23-1	**p- & m- Xylenes**	**3.9**		ug/m³	1.3	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH
622-96-8	*** p-Ethyltoluene**	**0.89**		ug/m³	0.74	1.512	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 02:48	VH
115-07-1	* Propylene	ND		ug/m³	0.26	1.512	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 02:48	VH
100-42-5	**Styrene**	**1.2**		ug/m³	0.64	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH
127-18-4	Tetrachloroethylene	ND		ug/m³	1.0	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH
109-99-9	*** Tetrahydrofuran**	**3.4**		ug/m³	0.89	1.512	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 02:48	VH
108-88-3	**Toluene**	**15**		ug/m³	0.57	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.60	1.512	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 02:48	VH

Sample Information

Client Sample ID: IA-2 **York Sample ID:** 23D0020-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.69	1.512	EPA TO-15	04/13/2023 10:00	04/14/2023 02:48	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m³	0.20	1.512	EPA TO-15	04/13/2023 10:00	04/14/2023 02:48	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.4**		ug/m³	0.85	1.512	EPA TO-15	04/13/2023 10:00	04/14/2023 02:48	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.53	1.512	EPA TO-15	04/13/2023 10:00	04/14/2023 02:48	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.66	1.512	EPA TO-15	04/13/2023 10:00	04/14/2023 02:48	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.19	1.512	EPA TO-15	04/13/2023 10:00	04/14/2023 02:48	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: IA-3 **York Sample ID:** 23D0020-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.3	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.0	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.3	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.4	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.0	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.76	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.19	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: IA-3 **York Sample ID:** 23D0020-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND	TO-CCV, TO-LCS-L	ug/m³	1.4	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.92	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.4	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.1	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.76	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.87	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.3	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.92	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
106-99-0	1,3-Butadiene	ND		ug/m³	1.2	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.1	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.87	1.872	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 03:58	VH
106-46-7	**1,4-Dichlorobenzene**	**1.2**		ug/m³	1.1	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
123-91-1	1,4-Dioxane	ND		ug/m³	1.3	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
78-93-3	**2-Butanone**	**7.1**		ug/m³	0.55	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
591-78-6	* 2-Hexanone	ND		ug/m³	1.5	1.872	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 03:58	VH
107-05-1	3-Chloropropene	ND		ug/m³	2.9	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.77	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
67-64-1	**Acetone**	**83**		ug/m³	0.89	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
107-13-1	Acrylonitrile	ND		ug/m³	0.41	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH

Sample Information

Client Sample ID: IA-3 **York Sample ID:** 23D0020-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	**Benzene**	**1.4**		ug/m³	0.60	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND	TO-LC S-L	ug/m³	0.97	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	1.3	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	1.9	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.73	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	Carbon disulfide	ND		ug/m³	0.58	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**1.1**		ug/m³	0.29	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.86	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.49	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	**Chloroform**	**12**		ug/m³	0.91	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	**Chloromethane**	**2.5**		ug/m³	0.39	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.19	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.85	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	Cyclohexane	ND		ug/m³	0.64	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	1.6	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**4.0**		ug/m³	0.93	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	*** Ethyl acetate**	**6.3**		ug/m³	1.3	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.81	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND	TO-LC S-L	ug/m³	2.0	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**64**		ug/m³	0.92	1.872	EPA TO-15	04/13/2023 10:00	04/14/2023 03:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: IA-3 **York Sample ID:** 23D0020-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m³	0.77	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.67	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
75-09-2	**Methylene chloride**	**2.7**		ug/m³	1.3	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
142-82-5	**n-Heptane**	**6.4**		ug/m³	0.77	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
110-54-3	**n-Hexane**	**1.3**		ug/m³	0.66	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
95-47-6	**o-Xylene**	**1.5**		ug/m³	0.81	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
179601-23-1	**p- & m- Xylenes**	**2.9**		ug/m³	1.6	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.92	1.872	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 03:58	VH
115-07-1	* Propylene	ND		ug/m³	0.32	1.872	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 03:58	VH
100-42-5	**Styrene**	**1.9**		ug/m³	0.80	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
127-18-4	**Tetrachloroethylene**	**1.7**		ug/m³	1.3	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.1	1.872	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 03:58	VH
108-88-3	**Toluene**	**19**		ug/m³	0.71	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.74	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.85	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
79-01-6	Trichloroethylene	ND		ug/m³	0.25	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.5**		ug/m³	1.1	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
108-05-4	Vinyl acetate	ND		ug/m³	0.66	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
593-60-2	Vinyl bromide	ND		ug/m³	0.82	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH
75-01-4	Vinyl Chloride	ND		ug/m³	0.24	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 03:58	VH

Sample Information

Client Sample ID: IA-3 **York Sample ID:** 23D0020-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Sample Information

Client Sample ID: IA-4 **York Sample ID:** 23D0020-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.2	1.704	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 05:08	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.93	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.3	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.93	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.69	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.17	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
120-82-1	1,2,4-Trichlorobenzene	ND	TO-CCV, TO-LCS-L	ug/m³	1.3	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.84	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.0	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.69	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.79	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.84	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH

Sample Information

Client Sample ID: IA-4 **York Sample ID:** 23D0020-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-99-0	1,3-Butadiene	ND		ug/m³	1.1	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.0	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.79	1.704	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 05:08	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.0	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
123-91-1	1,4-Dioxane	ND		ug/m³	1.2	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
78-93-3	**2-Butanone**	**4.8**		ug/m³	0.50	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
591-78-6	* 2-Hexanone	ND		ug/m³	1.4	1.704	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 05:08	VH
107-05-1	3-Chloropropene	ND		ug/m³	2.7	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.70	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
67-64-1	**Acetone**	**120**		ug/m³	0.81	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
107-13-1	Acrylonitrile	ND		ug/m³	0.37	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
71-43-2	Benzene	ND		ug/m³	0.54	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
100-44-7	Benzyl chloride	ND	TO-LC S-L	ug/m³	0.88	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
75-25-2	Bromoform	ND		ug/m³	1.8	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
74-83-9	Bromomethane	ND		ug/m³	0.66	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
75-15-0	Carbon disulfide	ND		ug/m³	0.53	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
56-23-5	**Carbon tetrachloride**	**0.86**		ug/m³	0.27	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
108-90-7	Chlorobenzene	ND		ug/m³	0.78	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH

Sample Information

Client Sample ID: IA-4 **York Sample ID:** 23D0020-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/m³	0.45	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
67-66-3	**Chloroform**	**2.4**		ug/m³	0.83	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
74-87-3	**Chloromethane**	**2.5**		ug/m³	0.35	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.17	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.77	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
110-82-7	**Cyclohexane**	**0.59**		ug/m³	0.59	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
124-48-1	Dibromochloromethane	ND		ug/m³	1.5	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
75-71-8	**Dichlorodifluoromethane**	**4.0**		ug/m³	0.84	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
141-78-6	*** Ethyl acetate**	**6.9**		ug/m³	1.2	1.704	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 05:08	VH
100-41-4	Ethyl Benzene	ND		ug/m³	0.74	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
87-68-3	Hexachlorobutadiene	ND	TO-LC S-L	ug/m³	1.8	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
67-63-0	**Isopropanol**	**65**		ug/m³	0.84	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
80-62-6	Methyl Methacrylate	ND		ug/m³	0.70	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.61	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
75-09-2	**Methylene chloride**	**1.9**		ug/m³	1.2	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
142-82-5	**n-Heptane**	**11**		ug/m³	0.70	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
110-54-3	**n-Hexane**	**1.0**		ug/m³	0.60	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
95-47-6	**o-Xylene**	**0.89**		ug/m³	0.74	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
179601-23-1	**p- & m- Xylenes**	**1.9**		ug/m³	1.5	1.704	EPA TO-15 Certifications:	04/13/2023 10:00 NELAC-NY12058,NJDEP-Queens	04/14/2023 05:08	VH
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.84	1.704	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 05:08	VH

Sample Information

Client Sample ID: IA-4 **York Sample ID:** 23D0020-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Indoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
115-07-1	* Propylene	ND		ug/m³	0.29	1.704	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 05:08	VH
100-42-5	**Styrene**	**2.1**		ug/m³	0.73	1.704	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 05:08	VH
127-18-4	Tetrachloroethylene	ND		ug/m³	1.2	1.704	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 05:08	VH
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.0	1.704	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 05:08	VH
108-88-3	**Toluene**	**35**		ug/m³	0.64	1.704	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 05:08	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.68	1.704	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 05:08	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.77	1.704	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 05:08	VH
79-01-6	Trichloroethylene	ND		ug/m³	0.23	1.704	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 05:08	VH
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.8**		ug/m³	0.96	1.704	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 05:08	VH
108-05-4	Vinyl acetate	ND		ug/m³	0.60	1.704	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 05:08	VH
593-60-2	Vinyl bromide	ND		ug/m³	0.75	1.704	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 05:08	VH
75-01-4	Vinyl Chloride	ND		ug/m³	0.22	1.704	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 05:08	VH

Sample Information

Client Sample ID: OA-1 **York Sample ID:** 23D0020-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Outdoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.3	1.846	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 06:18	VH

Sample Information

Client Sample ID: OA-1 **York Sample ID:** 23D0020-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Outdoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.0	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.3	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.4	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.0	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.75	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.18	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
120-82-1	1,2,4-Trichlorobenzene	ND	TO-CCV, TO-LCS-L	ug/m³	1.4	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.91	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.4	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.1	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.75	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.85	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.3	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.91	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
106-99-0	1,3-Butadiene	ND		ug/m³	1.2	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.1	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.85	1.846	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 06:18	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.1	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH

Sample Information

Client Sample ID: **OA-1** **York Sample ID:** **23D0020-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Outdoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m³	1.3	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
78-93-3	**2-Butanone**	**0.82**		ug/m³	0.54	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
591-78-6	* 2-Hexanone	ND		ug/m³	1.5	1.846	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 06:18	VH
107-05-1	3-Chloropropene	ND		ug/m³	2.9	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.76	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
67-64-1	**Acetone**	**39**		ug/m³	0.88	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
107-13-1	Acrylonitrile	ND		ug/m³	0.40	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
71-43-2	**Benzene**	**0.83**		ug/m³	0.59	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
100-44-7	Benzyl chloride	ND	TO-LC S-L	ug/m³	0.96	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
75-27-4	Bromodichloromethane	ND		ug/m³	1.2	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
75-25-2	Bromoform	ND		ug/m³	1.9	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
74-83-9	Bromomethane	ND		ug/m³	0.72	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
75-15-0	Carbon disulfide	ND		ug/m³	0.57	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
56-23-5	**Carbon tetrachloride**	**0.70**		ug/m³	0.29	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
108-90-7	Chlorobenzene	ND		ug/m³	0.85	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
75-00-3	Chloroethane	ND		ug/m³	0.49	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
67-66-3	Chloroform	ND		ug/m³	0.90	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
74-87-3	**Chloromethane**	**2.4**		ug/m³	0.38	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.18	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH

Sample Information

Client Sample ID: OA-1 **York Sample ID:** 23D0020-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Outdoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.84	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
110-82-7	Cyclohexane	ND		ug/m³	0.64	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
124-48-1	Dibromochloromethane	ND		ug/m³	1.6	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
75-71-8	**Dichlorodifluoromethane**	**3.9**		ug/m³	0.91	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
141-78-6	* Ethyl acetate	ND		ug/m³	1.3	1.846	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 06:18	VH
100-41-4	Ethyl Benzene	ND		ug/m³	0.80	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
87-68-3	Hexachlorobutadiene	ND	TO-LC S-L	ug/m³	2.0	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
67-63-0	**Isopropanol**	**3.4**		ug/m³	0.91	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
80-62-6	Methyl Methacrylate	ND		ug/m³	0.76	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.67	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
75-09-2	**Methylene chloride**	**2.1**		ug/m³	1.3	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
142-82-5	n-Heptane	ND		ug/m³	0.76	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
110-54-3	n-Hexane	ND		ug/m³	0.65	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
95-47-6	o-Xylene	ND		ug/m³	0.80	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.6	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.91	1.846	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 06:18	VH
115-07-1	* Propylene	ND		ug/m³	0.32	1.846	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 06:18	VH
100-42-5	Styrene	ND		ug/m³	0.79	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
127-18-4	Tetrachloroethylene	ND		ug/m³	1.3	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH

Sample Information

Client Sample ID: OA-1 **York Sample ID:** 23D0020-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23D0020	Livonia Ave.	Outdoor Ambient Air	March 31, 2023 3:00 pm	04/03/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.1	1.846	EPA TO-15 Certifications:	04/13/2023 10:00	04/14/2023 06:18	VH
108-88-3	**Toluene**	**1.1**		ug/m³	0.70	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.73	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.84	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
79-01-6	**Trichloroethylene**	**5.1**		ug/m³	0.25	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.2**		ug/m³	1.0	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
108-05-4	Vinyl acetate	ND		ug/m³	0.65	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
593-60-2	Vinyl bromide	ND		ug/m³	0.81	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH
75-01-4	Vinyl Chloride	ND		ug/m³	0.24	1.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/13/2023 10:00	04/14/2023 06:18	VH

Sample and Data Qualifiers Relating to This Work Order

TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
TO-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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Field Chain-of-Custody Record - AIR

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

YORK Project No. 23D0070

YOUR Information	Report To:	Invoice To:
Company: DERMODY CONSULTING	Company: PETER DERMODY	Company: SAME
Address:	Address:	Address:
Phone.:	Phone.:	Phone.:
Contact:	Contact:	Contact:
E-mail:	E-mail:	E-mail:

YOUR Project Number

YOUR Project Name: Livonia Ave.

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below) Peter Dermody

Air Matrix Codes

- AI - Indoor Ambient Air
- AO - Outdoor Amb. Air
- AE - Vapor Extraction Well/ Process Gas/Effluent
- AS - Soil Vapor/Sub-Slab

Samples From

- New York X
- New Jersey
- Connecticut
- Pennsylvania
- Other

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
Other:		

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m3 X ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
IA-1	3/21/23	AI	30	8	36988	17896	TO-15 VOCs
IA-2	↓	AI	30	5	22076	16415	↓
IA-3		AI	30	10	36983	16421	
IA-4		AI	30	8	16956	16417	
~~IA~~ OA-1		AO	30	10	28849	16419	

Comments:

Detection Limits Required

≤ 1 ug/m3 X NYSDEC V1 Limits ___ Routine Survey ___ Other ___

Sampling Media

6 Liter Canister X
Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Peter Dermody	4/3/23, 900A	[illegible]	4/3/23 3PM	[illegible]	4/3/23 1635
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
[illegible] / YORK	4/3/23 1635	[illegible]	4/3/23	Victor D. York	4/3/23 19:45
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
Victor D. York				[illegible] York	4/5/23 12:00

Appendix C