BCP Application – Supplemental Information
245 West 55th Street LLC
245-249 West 55th Street
Block 1027, Lot 7
Manhattan, New York

October 2022 Phase II Letter Report Prepared by HydroTech

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October 24, 2022

Mr. Randolph Hudson
DuArt Film & Video
245 West 55th Street
New York, NY 10019

Re: 245 West 55th Street, New York, NY
Phase II Environmental Site Assessment (ESA)

Dear Mr. Hudson:

This letter is intended to provide you with the results of the recent Phase II investigation conducted at the above-referenced property (Site). The scope of work for this investigation was provided by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, DPC to address a Potential Vapor Encroachment Condition (PVEC) identified as a REC in their Phase I Environmental Site Assessment (ESA) dated July 2022. According to the Phase I ESA, this PVEC is associated with historic on-site uses of tetrachloroethylene (PCE) and also from potential off-site sources of chlorinated solvents, including PCE.

This Phase II investigation was completed by installing and sampling five (5) sub-slab vapor probes, and the sampling of five (5) indoor air samples and one (1) ambient air sample.

All work was performed in accordance with the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 and other acceptable industry standards.

SITE DESCRIPTION AND BACKGROUND

The Site is approximately 6,025-square feet in area and is fully developed with a 12-story commercial and office building with a basement. Currently the building is listed on the market for sale and is being vacated. Until most recently, this property has been owned and partially occupied by Du-Art Film Laboratories, Inc., which specializes in cinematographic film cleaning and processing. Other building uses included various professional offices tenants.

Access to the Site is via 55th Street to the south. The vicinity of the Site consists of residential and commercial properties. The topography of the area in the vicinity of the Site is generally even. **Figure 1** provides a Site Plan.

Evidence of historic and recent on-site uses of PCE, which is a commonly used chemical in the film cleaning and processing industry, was identified at the Site through multiple PCE containers that were observed throughout the building in July 2022, from the listing of Du-Art Film Laboratories, Inc. as a large quantity generator of chlorinated solvents in 1981 and exempt small quantity generator in 2006, and also from the review of a chemical bulk storage (CBS) file number 2-000032, which lists a 3000-gallon aboveground storage tank (AST) containing PCE; this CBS AST was reportedly installed in contact with soil in January 1969 and was closed in August 1994.

FIELDWORK

Sub Slab Vapor Probes

Five sub-slab vapor points, designated SSB-1 through SSB-5, were installed in the basement on October 10, 2022. Specifically, SSB-1 was installed in the general receiving area in the southern portion of basement in the vicinity of a freight and passenger elevators, and also in the vicinity of currently stored cleaning chemicals. SSB-2 was installed in an alley to the north of a compressor area in the basement. SSD- 3 was installed in a storage room identified as Vault-1 in the northwestern portion of the basement. SSB-4 was installed in an equipment maintenance room identified as Vault-4 in the northeastern portion of the basement. SSB-5 was installed in the boiler room in the southeastern portion of the basement. **Figure 1** provides the location of sub-slab vapor points. **Appendix A** contains photographs of the fieldwork.

The sub-slab vapor points were installed using a hand operated hammer drill to a depth of 3 inches below the basement slab. Each sub-slab vapor point was then sealed above the sampling zone with bentonite slurry to prevent outdoor air infiltration.

Sub-slab vapor samples were collected utilizing a 6-liter pre-cleaned, passivated, evacuated whole air Summa® Canister. The canisters were set-up to start sampling on October 10, 2022, approximately two hours following sub-slab vapor points installation to allow for vapor pressure equilibration. Prior to a canister's set-up, a 60-cm^3 plastic syringe was used to purge approximately 1 to 3 implant volumes prior to collecting the vapor sample from a sub-slab vapor point. The sampling canister was then connected to a flow control valve set to collect the 6-L sample over a period of 24 hours at a rate of less than 0.0042 liters liter per minute. The canisters were then collected on October 11, 2022, following a minimum of 22 hours of sampling period. **Appendix B** provides a copy of the sub-slab vapor and ambient air sampling log.

To ensure the integrity of the borehole seal and to verify that ambient air is not inadvertently drawn into the sample, a tracer gas (Helium) was applied to enrich the atmosphere in the immediate vicinity of the sampling location. A portable monitoring device MGD-2002 Helium-Hydrogen Lead Detector; Model 83-219, was utilized to

analyze a real time sample of soil vapor from the soil vapor sampling point for the tracer prior to purging and after sampling. No Helium (<0.01 µg/m3) was detected with the Helium-Hydrogen Lead Detector prior to sampling.

Ambient Indoor Air Sampling

Five (5) indoor air samples (designated AI-1 to AI-5) and one (1) outdoor air sample designated OA-1 were collected during this investigation. Indoor air samples AI-1 to IA-5 were collected concurrently from the same locations in the basement as their respective sub-slab vapor samples SSB-1 to SSB-5. The outdoor air sample OA-1 was obtained from the grade level sidewalk to the south of the building on West 55th Street. **Figure 1** provides the location of ambient air samples.

Prior to the indoor/outdoor air sampling, a pre-sampling inspection was conducted across the basement in accordance with the NYSDOH Indoor Air Sampling and Analysis Guidance dated February 2005. This inspection was performed in order to identify potential pathways of vapors into the buildings (i.e. sumps, cracks in foundations, floor drains, etc.). The inspection also included a product inventory of chemicals currently stored inside the basement and a preliminary screening of indoor vapor concentrations utilizing a Photoionization Detector (PID).

The inspection identified de minimis staining at the base of a suspended elevator shaft inside the boiler room. No evidence of petroleum odor and no organic vapors (<0.1 ppm) were detected with the PID across the entire basement. Potential vapor pathways in the form of cracks in the slab and two floor drains were identified throughout the basement. The inspection revealed the presence of a storage area in the southern portion of the basement of multiple containers labelled as cleaning and degreaser chemicals used mainly for the boiler maintenance and also a paint thinner. A 3,500-gallon fuel oil AST in contact with concrete surface was observed inside the boiler room and an electric transformer was also noted at the Site. **Appendix C** provides a New York State Department of Health Indoor Air Quality Questionnaire and Building Inventory.

Ambient air samples were then collected utilizing 6-liter Summa Canisters fitted with a 24-hour laboratory flow regulator with a flow rate not exceeding 0.0042 liters per minute. Immediately after opening the Summa Canister, the initial vacuum (inches of mercury) and start time were recorded. After the sampling is completed, the final vacuum and stop time was also recorded. The average indoor and outdoor air temperature was approximately 72 degrees Fahrenheit.

Laboratory Analytical

The sub-slab vapor samples and ambient air samples were analyzed for VOCs in accordance with EPA Method TO-15. Laboratory reports are provided as **Appendix D.**

SUB-SLAB VAPOR AND INDOOR AIR RESULTS

Table 1 provides the EPA Method TO-15 results of the sub-slab vapor samples from SSB-1 to SSB-4, the indoor/outdoor air samples from IA-1 to IA-5 and the outdoor air sample OA-1. The concentrations reported in **Table 1** are in microgram per cubic meter (ug/m^3).

As **Table 1** indicates, chlorinated-range VOCs and petroleum-related VOCs were detected in the sub-slab vapor samples and indoor air samples collected at the Site.

Chlorinated VOCs (CVOCs) were commonly detected in all sub-slab vapor samples collected across the entire Site and their maximum concentrations occurred specifically in SSB-1. These CVOCs included PCE (max. 22 ug/m^3), TCE (max. 4.3 ug/m^3), cis-1,2-dichloroethylene (cis-1,2 -DCE) (max. 130 ug/m^3), 1,1,1-trichloroethane (1,1,1-TCA) (max. 77,000 ug/m^3), 1,1-dichloroethane (1,1-DCA) (max. 7,100 ug/m^3), 1,1-dichloroethylene (1,1 DCE) (max. 1,400 ug/m^3), carbon tetrachloride (max. 4.2 ug/m^3), chloroform (max. 47 ug/m^3) and methylene chloride (max. 12 ug/m^3).

CVOCs were also detected in all five indoor air samples IA-1 to IA-5 and their highest concentrations were generally detected in IA-1. CVOCs in indoor air included PCE (max. 22 ug/m^3), TCE (max. 4.3 ug/m^3), cis-1,2-DCE (max. 1.3 ug/m^3), 1,1,1-TCA (max. 310 ug/m^3), 1,1-DCA (29 ug/m^3), 1,1-DCE (6.9 ug/m^3), carbon tetrachloride (max. 0.42 ug/m^3), chloroform (max. 1.5 ug/m^3) and methylene chloride (max. 1.3 ug/m^3). One individual TCE concentration detected in IA-1 exceeded its respective NYSDOH guideline values in indoor air of 2 ug/m^3.

Table 2 provides the NYSDOH decision matrix conclusions of CVOCs concentrations detected in the sub-slab vapor samples SSB-1 to SSB-5 and their respective indoor air samples IA-1 and IA-5.

Based on the data presented in **Table 2**, the concentrations of PCE, TCE, cis-1,2-DCE, 1,1,1-TCE and 1,1,1-trichloroethane exceed the mitigate values of their applicable NYSDOH matrices in the SSB-1/IA-1 and the monitor values in the remaining samples SSB-2/IA-2 to SSB-5/IA-5.

Petroleum-related VOCs include compounds such as benzene, toluene, ethylbenzene, and o-xylene, p- & m- Xylenes (BTEX) at individual concentrations ranging from 0.47 $\mu g/m^3$ to 230 $\mu g/m^3$. The total concentrations of BTEX compounds in the sub-slab vapor samples ranged from 219 ug/m^3 in SSB-1 to 430 ug/m^3 in SSB-5.

Petroleum-related VOC derivatives including 1,3,5–trimethylbenzene (max. 20 ug/m^3) heptane (max. 8.8 ug/m^3) and hexane (max. 24 ug/m^3) were also detected in all sub slab vapor samples.

A number of other VOCs were also detected in sub-slab vapor samples including 1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113) (max. 3,500 ug/m^3 in SSB-1), 2-butanone (25 ug/m^3 in SSB-5), propylene (13 in ug/m^3 in SSB-1)

DISCUSSION OF SUB-SLAB VAPOR AND AIR QUALITY RESULTS

Chlorinated-range VOCs including PCE, TCE, and their derivatives are present in all the sub-slab vapor samples and their respective indoor air samples collected across the basement at the Site as evidenced by the analytical results of SSB-1/IA-1 through SSB-5/IA-5. These CVOCs were the most abundant in the general receiving area in the vicinity of currently stored cleaning chemical in the southern portion of the basement. This is evidenced by the maximum CVOCs detected in SSB-1/IA-1 collected in this area of the basement.

The compound 1,1,1-TCA was the VOC detected at the highest concentrations in SSB-1 at 77,000 ug/m^3 and in IA- at 310 ug/m^3. 1,1,1-TCA is a standard cleaner of photographic films, and its presence is likely due to historical Site use. The compound 1,1,2- TCE was the second VOC detected at the highest concentrations of 7,100 ug/m^3 in SSB-1 and 29 ug/m^3 in IA-1. PCE ranked the third VOC with the greatest concentrations detected at 4,500 ug/m^3 in SSB-1 and 22 ug/m^3 in IA-1.

According to the NYSDOH Decision Matrices A and B, the detected concentrations of PCE, TCE, cis-1,2-DCE, 1,1,1-TCE and 1,1,1-trichloroethane in sub-slab vapor sample and indoor air sample collected at SSB-1/IA-1 in the main receiving area in the southern portion of the basement at the Site represent a soil vapor intrusion impact that warrants mitigation. The concentrations of these CVOCs in the remaining sub-slab vapor samples from SSB-2 to SSB-5 and indoor air samples from IA-2 and IA-5 collected in the central and northern portions of the basement at the Site warrant a monitoring action in these areas as suggested in the NYSDOH decision matrix conclusions in **Table 2**.

Petroleum related VOCs including BTEX and its derivates are present in the sub-slab vapor samples collected at the Site as evidenced by the analytical results of all five sub-slab vapor samples results. The most abundant total BTEX concentration was detected at 430.20 ug/m^3 in sample SSB-5, which was collected in the boiler room in the southeastern portion of the basement. The lowest total BTEX concentration was detected at 219 ug/m^3 in sample SSB-1, which is located in the receiving and chemical storage area in the basement. Total BTEX also occurred in indoor air samples at concentrations ranging between 2.97 ug/m^3 and 7.17 ug/m^3 as evidenced by the analytical results for IA-1 to IA-5.

CONCLUSIONS

Based upon the findings of this investigation, vapor encroachment conditions from sub-surface impact, potentially associated with historic on-site use of chlorinated compounds is confirmed.

Should you have any questions or comments, please feel free to contact me at your convenience.

Very Truly Yours,
HydroTech Environmental Engineering and Geology, DPC

Paul I. Matli, PhD, PG
Senior Project Manager

PM/jo
Enc.
cc: HydroTech file 220064 w/ Enc.

LIST OF ATTACHMENTS TO THIS PHASE II INVESTIGTION

Tables

1. VOCs in Soil Vapor and Ambient Air
2. NYSDOH Soil Vapor Decision Matrices

Figure

1. Site Map and Sampling Locations

Appendices

- **A.** Photographs of Fieldwork
- **B.** Sub-Slab Vapor and Ambient Air Sampling Log
- **C.** NYSDOH Indoor Air Quality Questionnaire and Building Inventory
- **D.** Laboratory Report

EXCLUSIONS & DISCLAIMER

The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client. No warranty, expressed or implied, is made whatsoever in connection with this report.

In preparing this report, HydroTech Environmental Engineering and Geology, DPC. may have relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to HydroTech Environmental Engineering and Geology, DPC. at the time of the subject property assessment. Although there may have been some degree of overlap in the information provided by these various sources, HydroTech Environmental Engineering and Geology, DPC. did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this subject property assessment.

Observations were made of the subject property and of structures on the subject property as indicated within the report. Where access to portions of the subject property or to structures on the subject property was unavailable or limited, HydroTech Environmental Engineering and Geology, DPC. renders no opinion as to the presence of non-hazardous or hazardous materials, or to the presence of indirect evidence relating to non-hazardous or hazardous materials, in that portion of the subject property or structure. In addition, HydroTech Environmental Engineering and Geology, DPC. renders no opinion as to the presence of hazardous materials, or the presence of indirect evidence relating to hazardous materials, where direct observation of the interior walls, floors, or ceiling of a structure on a subject property was obstructed by objects or coverings on or over these surfaces.

Any water level reading made in test pits, borings, and/or observation wells were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

Except as noted within the text of the report, no qualitative laboratory testing was performed as part of the subject property assessment. Where an outside laboratory conducted such analyses, HydroTech has relied upon the data provided, and has not conducted an independent evaluation of the reliability of the data.
The conclusions contained in this report are based in part, where noted, upon various types of chemical data and are contingent upon their validity. The data have been reviewed and interpretations were made in the report. As indicated within the report,

some of the data may be preliminary "screening" level data and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, the data should be reviewed, and the conclusions and recommendations presented herein modified accordingly. If in the opinion of the Client/User or any third-party claiming reliance on this report, that HydroTech was negligent or in breach of contract, such aforementioned parties shall have 6 months from the date of HydroTech's visit to make a claim.

This report was prepared solely for the use of the Client/User and is not intended for use by third parties. Unauthorized third parties shall indemnify and hold HydroTech harmless against any liability for any loss arising out of, or related to, reliance by any third party on any work performed hereunder, or the contents of this report.

Table 1. VOCs in Soil Vapor and Ambient Air

Table 1
Sub-Slab Vapor/Indoor Air Samples Analytical Results for VOCs
245 West 155th Streetr, Brooklyn, NY

Sample ID	SSB-1		IA-1		SSB-2		IA-2		SSB-3		IA-3		SSB-4		IA-4		SSB-5		IA-5		OA-1	
Sampling Date	10/11/2022		10/11/2022		10/11/2022		10/11/2022		10/11/2022		10/11/2022		10/11/2022		10/11/2022		10/11/2022		10/11/2022		10/11/2022	
Client Matrix	Sub-Slab Vapor		Indoor Air		Sub-Slab Vapor		Indoor Air		Sub-Slab Vapor		Indoor Air		Sub Slab Vapor		Indoor Air		Sub Slab Vapor		Indoor Air		Indoor Air	
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
Units	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q
1,1,1,2-Tetrachloroethane	11	U	1.30	U	1.10	U	0.58	U	2.20	U	0.70	U	1.50	U	0.63	U	1.30	U	0.610	U	0.64	U
1,1,1-Trichloroethane	**77,000**	**D**	**310**	**D**	**260**	**D**	**1.10**	**D**	**730**	**D**	**0.83**	**D**	**490**	**D**	**1.10**	**D**	**44**	**D**	**2.20**	**D**	**0.51**	**D**
1,1,2,2-Tetrachloroethane	11	U	1.30	U	1.10	U	0.58	U	2.20	U	0.70	U	1.50	U	0.63	U	1.30	U	0.61	U	0.64	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	**3,500**	**D**	**17**	**D**	**10**	**D**	0.64	U	**6.80**	**D**	0.78	U	**4.70**	**D**	0.70	U	**5**	**D**	0.69	U	0.71	U
1,1,2-Trichloroethane	9.10	U	1	U	0.88	U	0.46	U	1.70	U	0.55	U	1.20	U	0.50	U	1	U	0.49	U	0.51	U
1,1-Dichloroethane	**7,100**	**D**	**29**	**D**	**9.80**	**D**	0.34	U	**11**	**D**	0.41	U	0.89	U	0.37	U	**2.30**	**D**	0.36	U	0.38	U
1,1-Dichloroethylene	**1,400**	**D**	**6.90**	**D**	**2.40**	**D**	0.08	U	**2.80**	**D**	0.10	U	0.22	U	0.09	U	0.19	U	0.09	U	0.09	U
1,2,4-Trichlorobenzene	12	U	1.40	U	1.20	U	0.62	U	2.40	U	0.75	U	1.60	U	0.68	U	1.40	U	0.66	U	0.69	U
1,2,4-Trimethylbenzene	**9**	**D**	**1**	**D**	**18**	**D**	**0.79**	**D**	**19**	**D**	**0.50**	**J**	**16**	**D**	0.45	U	**20**	**D**	**1.60**	**D**	**1.2**	**D**
1,2-Dibromoethane	13	U	1.50	U	1.20	U	0.65	U	2.50	U	0.78	U	1.70	U	0.71	U	1.40	U	0.69	U	0.71	U
1,2-Dichlorobenzene	10	U	1.10	U	0.97	U	0.51	U	1.90	U	0.61	U	1.30	U	0.55	U	1.10	U	0.54	U	0.56	U
1,2-Dichloroethane	6.70	U	0.77	U	0.66	U	0.34	U	1.30	U	0.41	U	0.89	U	0.37	U	0.76	U	0.36	U	0.38	U
1,2-Dichloropropane	7.70	U	0.87	U	0.75	U	0.39	U	1.50	U	0.47	U	1	U	0.42	U	0.87	U	0.41	U	0.43	U
1,2-Dichlorotetrafluoroethane	12	U	1.30	U	1.10	U	0.59	U	2.20	U	0.71	U	1.50	U	0.64	U	1.30	U	0.62	U	0.65	U
1,3,5-Trimethylbenzene	8.20	U	0.93	U	**4.90**	**D**	0.41	U	**4.90**	**D**	0.50	U	**4.20**	**D**	0.45	U	**5.20**	**D**	**0.44**	**J**	**0.46**	**J**
1,3-Butadiene	11	U	1.30	U	1.10	U	0.56	U	2.10	U	0.67	U	1.50	U	0.61	U	1.20	U	0.59	U	**0.62**	**J**
1,3-Dichlorobenzene	10	U	1.10	U	0.97	U	0.51	U	1.90	U	0.61	U	1.30	U	0.55	U	1.10	U	0.54	U	0.56	U
1,3-Dichloropropane	7.70	U	0.87	U	0.75	U	0.39	U	1.50	U	0.47	U	1	U	0.42	U	0.87	U	0.41	U	0.43	U
1,4-Dichlorobenzene	10	U	1.10	U	0.97	U	0.51	U	1.90	U	0.61	U	1.30	U	0.55	U	1.10	U	0.54	U	0.56	U
1,4-Dioxane	12	U	1.40	U	1.20	U	0.61	U	2.30	U	0.73	U	1.60	U	0.66	U	1.30	U	0.64	U	0.67	U
2-Butanone	4.90	U	**1.20**	**D**	**3.80**	**D**	**1.30**	**D**	**9.40**	**D**	**1.70**	**D**	**4**	**D**	**1.10**	**D**	**25**	**D**	**1.60**	**D**	**16**	**D**
2-Hexanone	14	U	1.50	U	**1.30**	**J**	0.69	U	**2.60**	**J**	0.83	U	1.80	U	0.75	U	1.50	U	0.73	U	0.76	U
3-Chloropropene	26	U	3	U	2.50	U	1.30	U	5	U	1.60	U	3.40	U	1.40	U	2.90	U	1.40	U	1.5	U
4-Methyl-2-pentanone	6.80	U	0.77	U	**0.80**	**D**	0.34	U	**2**	**D**	0.42	U	**2.20**	**D**	0.38	U	**5.80**	**D**	**0.62**	**D**	0.38	U
Acetone	**46**	**D**	**12**	**D**	**25**	**D**	**13**	**D**	**48**	**D**	**16**	**D**	**29**	**D**	**12**	**D**	**92**	**D**	**12**	**D**	**21**	**D**
Acrylonitrile	3.60	U	0.41	U	0.35	U	0.18	U	0.69	U	0.22	U	0.48	U	0.20	U	0.41	U	0.19	U	0.2	U
Benzene	5.30	U	0.60	U	**1.30**	**D**	**0.59**	**D**	**3.50**	**D**	**0.62**	**D**	**2.10**	**D**	**0.47**	**D**	**2.20**	**D**	**0.54**	**D**	**1.2**	**D**
Benzyl chloride	8.60	U	0.98	U	0.84	U	0.44	U	1.70	U	0.53	U	1.10	U	0.48	U	0.97	U	0.46	U	0.48	U
Bromodichloromethane	11	U	1.30	U	1.10	U	0.56	U	2.10	U	0.68	U	1.50	U	0.62	U	**1.40**	**D**	0.60	U	0.62	U
Bromoform	17	U	2	U	1.70	U	0.87	U	3.30	U	1.10	U	2.30	U	0.95	U	1.90	U	0.92	U	0.96	U
Bromomethane	6.50	U	0.73	U	0.63	U	0.33	U	1.20	U	0.39	U	0.86	U	0.36	U	0.73	U	0.35	U	0.36	U
Carbon disulfide	5.20	U	0.59	U	**1.20**	**D**	0.26	U	**2.90**	**D**	0.32	U	**3.20**	**D**	0.29	U	**3.10**	**D**	**0.28**	**D**	0.29	U
Carbon tetrachloride	**4.20**	**D**	**0.36**	**D**	**0.41**	**D**	**0.42**	**D**	0.50	U	**0.45**	**D**	**0.55**	**D**	**0.40**	**D**	**0.47**	**D**	**0.39**	**D**	**0.35**	**D**
Chlorobenzene	7.70	U	0.87	U	0.75	U	0.39	U	1.50	U	0.47	U	1	U	0.42	U	0.86	U	0.41	U	0.43	U
Chloroethane	**8.80**	**D**	0.50	U	0.43	U	0.22	U	0.84	U	0.27	U	0.58	U	0.24	U	**0.49**	**J**	0.24	U	0.25	U
Chloroform	**47**	**D**	**1.50**	**D**	**5.30**	**D**	**1.70**	**D**	**5.10**	**D**	**1.50**	**D**	**4.20**	**D**	**0.58**	**D**	**23**	**D**	**1.10**	**D**	0.45	U
Chloromethane	3.40	U	**1.30**	**D**	0.33	U	**1.40**	**D**	**0.66**	**J**	**1.50**	**D**	0.46	U	**1.40**	**D**	**1.30**	**D**	**1.50**	**D**	**1.5**	**D**
cis-1,2-Dichloroethylene	**130**	**D**	**1.30**	**D**	**50**	**D**	**0.20**	**D**	**1.10**	**D**	0.10	U	0.22	U	0.09	U	**6.50**	**D**	**0.39**	**D**	0.09	U
cis-1,3-Dichloropropylene	7.60	U	0.86	U	0.74	U	0.38	U	1.40	U	0.46	U	1	U	0.42	U	0.85	U	0.41	U	0.42	U
Cyclohexane	**14**	**D**	0.65	U	**2**	**D**	**0.29**	**J**	**3.30**	**D**	**0.56**	**D**	**2.70**	**D**	0.32	U	**3**	**D**	0.31	U	**0.32**	**J**
Dibromochloromethane	14	U	1.60	U	1.40	U	0.72	U	2.70	U	0.87	U	1.90	U	0.78	U	**1.60**	**U**	0.76	U	0.79	U
Dichlorodifluoromethane	8.20	U	**2.50**	**D**	**2.40**	**D**	**2.60**	**D**	**3**	**D**	**2.70**	**D**	**2.50**	**D**	**2.50**	**D**	**3**	**D**	**2.60**	**D**	**2.7**	**D**
Ethyl acetate	12	U	**1.40**	**J**	**2.90**	**D**	**0.73**	**D**	**6.30**	**D**	**1.20**	**D**	**2.60**	**D**	**0.66**	**J**	**4.80**	**D**	**0.64**	**J**	**10**	**D**
Ethyl Benzene	**12**	**D**	0.82	U	**18**	**D**	**0.37**	**D**	**19**	**D**	**0.44**	**J**	**19**	**D**	0.40	U	**22**	**D**	**0.47**	**D**	**0.69**	**D**
Hexachlorobutadiene	18	U	2	U	1.70	U	0.90	U	3.40	U	1.10	U	2.40	U	0.98	U	2	U	0.95	U	0.99	U
Isopropanol	**230**	**BD**	**20**	**BD**	**4.80**	**BD**	**19**	**BD**	**59**	**BD**	**27**	**BD**	**4**	**BD**	**17**	**BD**	**3.70**	**BD**	**20**	**BD**	**9.2**	**BD**
Methyl Methacrylate	6.80	U	0.77	U	0.66	U	0.34	U	1.30	U	0.42	U	0.90	U	0.38	U	0.77	U	0.37	U	0.38	U
Methyl tert-butyl ether (MTBE)	6	U	0.68	U	0.58	U	0.30	U	1.20	U	0.37	U	0.79	U	0.33	U	0.67	U	0.32	U	0.33	U
Methylene chloride	**12**	**J**	**1.30**	**J**	**1.50**	**D**	**0.99**	**D**	**2.20**	**J**	**1.20**	**D**	**1.50**	**J**	**1.20**	**D**	**1.30**	**J**	**0.81**	**D**	**0.65**	**J**
n-Heptane	**7.50**	**D**	**0.78**	**J**	**2.90**	**D**	**0.48**	**D**	**8.80**	**D**	**0.50**	**D**	**5.40**	**D**	**0.38**	**J**	**6.10**	**D**	**0.59**	**D**	**0.65**	**D**
n-Hexane	**18**	**D**	**0.67**	**J**	**18**	**D**	**0.59**	**D**	**23**	**D**	**0.97**	**D**	**19**	**D**	**0.42**	**D**	**24**	**D**	**0.54**	**D**	**0.79**	**D**
o-Xylene	**15**	**D**	**0.82**	**J**	**25**	**D**	**0.47**	**D**	**26**	**D**	**0.44**	**D**	**26**	**D**	**0.40**	**J**	**29**	**D**	**0.66**	**D**	**0.97**	**D**
p- & m- Xylenes	**52**	**D**	**1.60**	**D**	**87**	**D**	**1.40**	**D**	**87**	**D**	**1.20**	**D**	**87**	**D**	**0.80**	**J**	**97**	**D**	**1.70**	**D**	**2.3**	**D**
p-Ethyltoluene	**8.20**	**J**	**0.93**	**J**	**14**	**D**	**0.58**	**D**	**14**	**D**	**0.50**	**J**	**13**	**D**	0.45	U	**15**	**D**	**1.10**	**D**	**0.87**	**D**
Propylene	**13**	**D**	**1.80**	**D**	**0.98**	**D**	**1.30**	**D**	**1.30**	**D**	**1.30**	**D**	**2.70**	**D**	**1.20**	**D**	**3.50**	**D**	**2.20**	**D**	**1.4**	**D**
Styrene	7.10	U	0.81	U	0.69	U	0.36	U	1.40	U	**0.43**	**J**	0.94	U	0.39	U	0.80	U	0.38	U	**0.4**	**J**
Tetrachloroethylene	**4,500**	**D**	**22**	**D**	**210**	**D**	**4.60**	**D**	**500**	**D**	**4.50**	**D**	**700**	**D**	**5.20**	**D**	**200**	**D**	**6**	**D**	**0.63**	**J**
Tetrahydrofuran	9.80	U	**1.10**	**J**	**3.30**	**D**	0.50	U	**4.20**	**D**	**0.60**	**J**	**2.90**	**D**	0.54	U	**6.20**	**D**	**0.53**	**J**	**47**	**D**
Toluene	**140**	**D**	**3**	**D**	**230**	**D**	**3.20**	**D**	**230**	**D**	**2.90**	**D**	**230**	**D**	**1.30**	**D**	**280**	**D**	**3.80**	**D**	**3.3**	**D**
trans-1,2-Dichloroethylene	6.60	U	0.75	U	**0.77**	**D**	0.33	U	1.30	U	0.40	U	0.87	U	0.36	U	0.74	U	0.35	U	0.37	U
trans-1,3-Dichloropropylene	7.60	U	0.86	U	0.74	U	0.38	U	1.40	U	0.46	U	1	U	0.42	U	0.85	U	0.41	U	0.42	U
Trichloroethylene	**720**	**D**	**4.30**	**D**	**6.60**	**D**	**0.18**	**D**	**2.60**	**D**	0.14	U	**3**	**D**	0.12	U	**2.30**	**D**	**0.38**	**D**	**0.15**	**D**
Trichlorofluoromethane (Freon 11)	9.40	U	**1.20**	**D**	**1.60**	**D**	**1.10**	**D**	**2.20**	**D**	**1.30**	**D**	**1.70**	**D**	**1.20**	**D**	**2**	**D**	**1.20**	**D**	**1.2**	**D**
Vinyl acetate	5.90	U	0.67	U	0.57	U	0.30	U	1.10	U	0.36	U	0.78	U	0.32	U	0.66	U	0.31	U	0.33	U
Vinyl bromide	7.30	U	0.83	U	0.71	U	0.37	U	1.40	U	0.44	U	0.96	U	0.40	U	0.82	U	0.39	U	0.41	U
Vinyl Chloride	2.10	U	0.24	U	0.21	U	0.11	U	0.41	U	0.13	U	0.28	U	0.12	U	0.24	U	0.11	U	0.12	U
Total BTEX	**219**		**5.42**		**361.30**		**6.03**		**365.50**		**5.60**		**364.10**		**2.97**		**430.20**		**7.17**		**8.46**	
Total VOCs	**474,516**		**3,067**		**1,026**		**58.38**		**1,839**		**70.84**		**1,683**		**49.31**		**937.26**		**65.88**		**126.06**	

NOTES:
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
Bolded indicates concentration is greater than MDL

Table 2. NYSDOH Soil Vapor Decision Matrices

Table 2
NYSDOH Soil Vapor Decision Matrices
245 West 55th Street, New York, NY

Sample ID	Sample Type	Matrix A[1]				Matrix B[1]			Matrix C[1]	NYSDOH Matrices Decision [2]
		1,1-Dichloroethene	Carbon Tetrachloride	Cis-1,2-dichloroethene	Trichloroethene	1,1,1-Trichloroethane	Methylene Chloride	Tetrachloroethene	Vinyl Chloride	
SSB-1	Sub Slab Vapor	**1,400**	**4.20**	**130**	**720**	**77,000**	**12**	**4,500**	ND	**Mitigate [3]**
IA-1	Indoor Ambient Air	**6.90**	**0.36**	**1.30**	**4.30**	**310**	**1.30**	**22**	ND	
SSB-2	Sub Slab Vapor	**2.40**	**0.41**	**50**	**6.60**	**260**	**1.50**	**210**	ND	**Monitor [3]**
IA-2	Indoor Ambient Air	0.08	**0.42**	**0.20**	**0.18**	**1.10**	**0.99**	**4.60**	ND	
SSB-3	Sub Slab Vapor	**2.80**	ND	**1.10**	**2.60**	**730**	**2.20**	**500**	ND	**Monitor [3]**
IA-3	Indoor Ambient Air	ND	**0.45**	ND	ND	**0.83**	**1.20**	**4.50**	ND	
SSB-4	Sub Slab Vapor	ND	**0.55**	ND	**3**	**490**	**1.50**	**700**	ND	**Monitor [3]**
IA-4	Indoor Ambient Air	ND	**0.40**	ND	ND	**1.10**	**1.20**	**5.20**	ND	
SSB-5	Sub Slab Vapor	ND	**0.47**	**6.50**	**2.30**	**44**	**1.30**	**200**	ND	**Monitor [3]**
IA-5	Indoor Ambient Air	ND	**0.39**	**0.39**	**0.38**	**2.20**	**0.81**	**6**	ND	

Note:

(1) All the concentrations are reported in microgram per cubic meter (ug/m^3)

(2) The NYSDOH Decision Matrices are the May 2017 version. The concentration of each compound in each vapor sample may trigger different levels of actions and the action with the highest level will be listed as recommended by NYSDOH.

(3) NYSDOH recommends mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjuction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monioring. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusions until the source of contamination is identified and remediated.

ND…indicates compound not detected

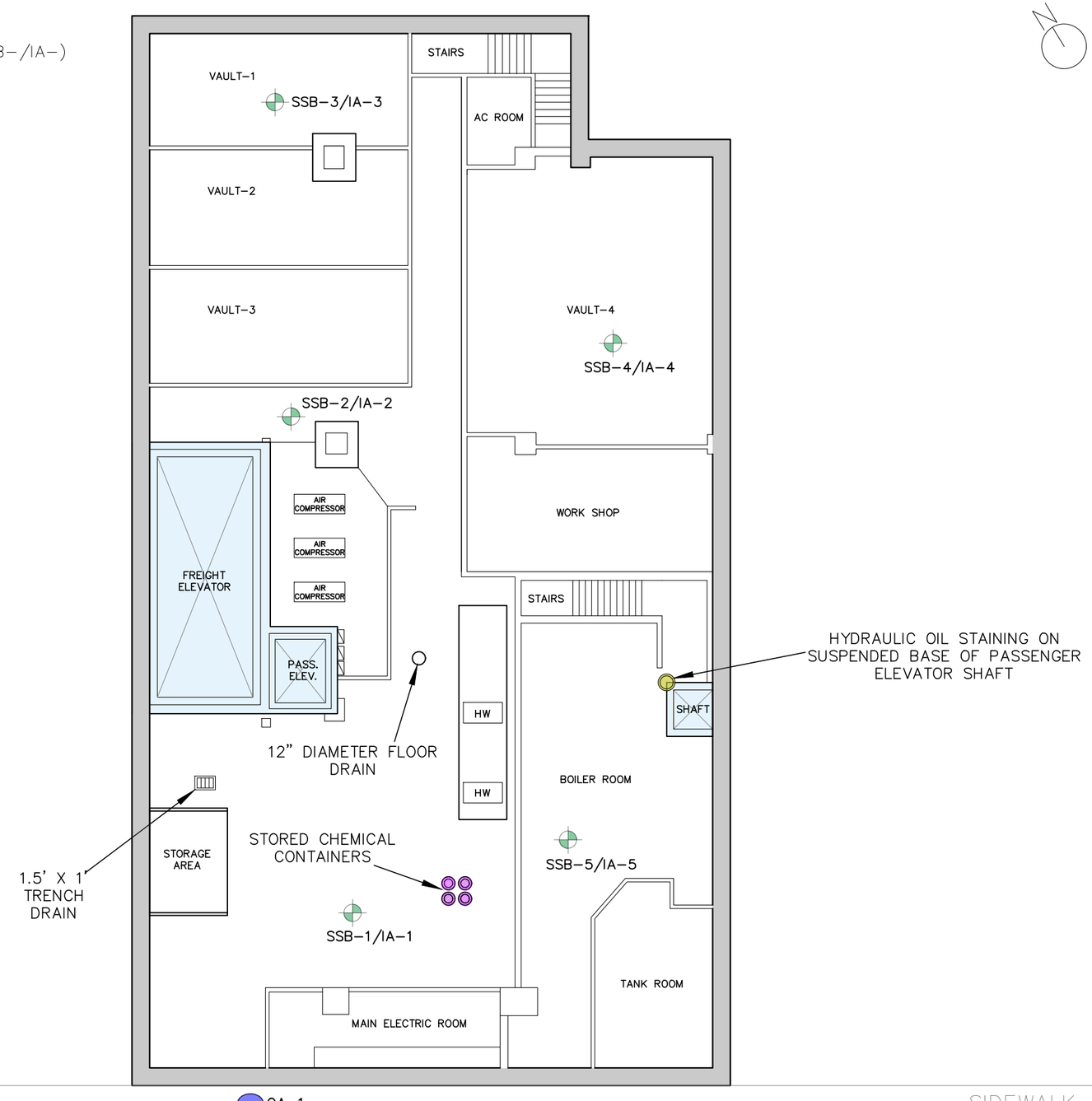
indicates exceedance of the NYSDOH soil vapor /indoor air matrices for mitigation

Figure 1. Site Map and Sampling Locations

LEGEND:

SUB SLAB VAPOR POINT/ INDOOR AIR SAMPLE LOCATION (SSB–/IA–)

OUTDOOR AIR SAMPLE LOCATION (OA–)



DATE	DESCRIPTION	CHK

SEAL & SIGNATURE

HYDROTECH ENVIRONMENTAL ENGINEERING AND GEOLOGY, DPC

77 ARKAY DRIVE, SUITE K
HAUPPAUGE, NY 11788

TEL: (631) 462–5866

FAX: (631) 462–5877

BASE DRAWING MAP TAKEN FROM USGS

PROJECT NAME AND ADDRESS

245 WEST 55TH STREET, MANHATTAN, NY

PROJECT FIGURE

FIGURE 1: SITE AND SAMPLING MAP

PROJECT NO.	DATE
220064	10/14/22
DRAWN BY: R.A.	REVIEWED BY: P.M.
SCALE (11X17): AS NOTED	APPROVED BY: P.M.

Appendix A. Photographs of Fieldwork

Storage space in basement

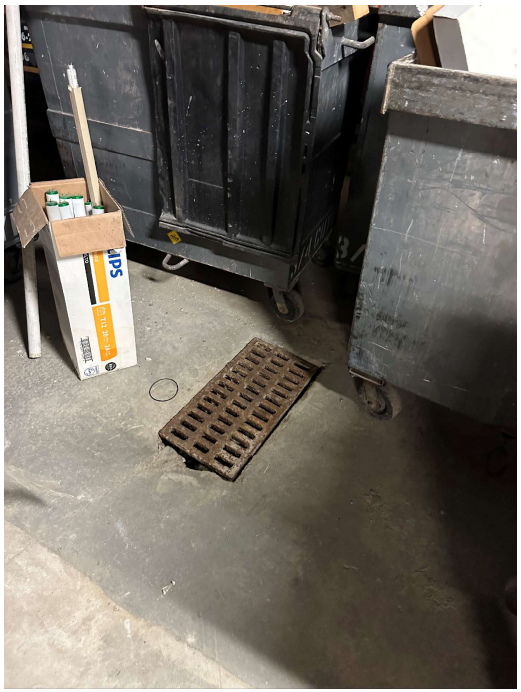
Fuel oil tank in basement

Ventilation ducts in basement

Cleaning chemicals

Pain Thinner

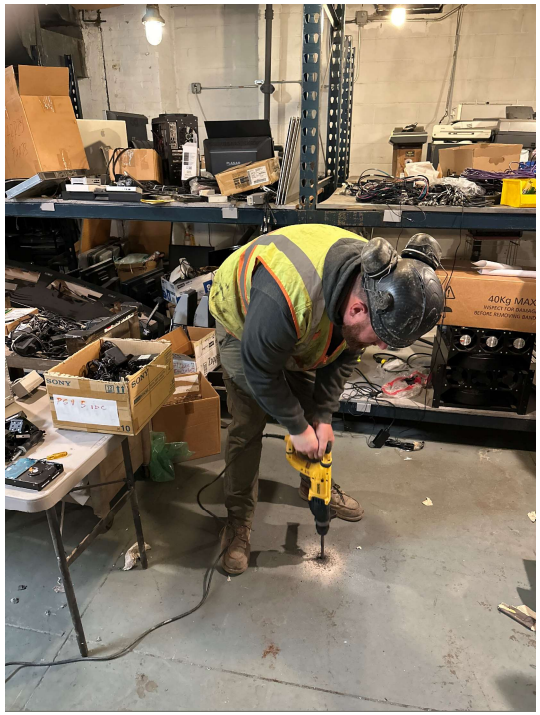
Sump pit



Floor drain

Concrete slab with epoxy coating and linoleum tiles

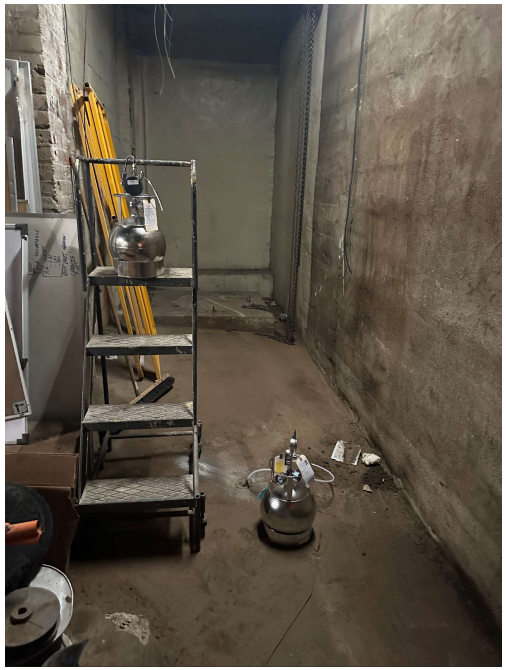
View of cracks in slab



Drilling sub-slab vapor probes

Helium detector test

PID survey of indoor air



Sub-slab vapor and indoor air sampling

Appendix B. Sub-Slab Vapor and Ambient Air Sampling Log

AMBIENT AIR/SOIL VAPOR SAMPLING LOG SHEET

Site Address: 245 W 55th Manhattan NY 22064 10/10/22

Weather Conditions during past 24-48 hrs: Sunny 80's

Building Ventilation Conditions:

Source(s) of VOCs in Area:

10/10/22 10/11/22

Sample Coordinates																				
Sample ID	Sampling Date	Air Matrix	Sub-Surface Installation			Sampler Name	Indoor PID Reading (ppm)	Indoor air temp (°F)	Summa Canister ID	Canister Volume (L)	Purge Volume(s) (L)	Helium Detector (µg/L)		Time start (24 hr)	Time Stop (24 hr)	Canister Vacuum ("Hg)		Total Volume Extracte (L)	Weather (Wind, Dry, Moist, Saturated, temp) of Sampling Zone	Flow Cntlr
			Date	Time	Depth							Start	Stop			Before	After			
SSB-1	10/10/22	SSB	10/10/22	8:30 AM	3"	DonoVan			43001	6L		0.0	0.0	11:22 AM	9:09	-30	-8			5625
SSB-5									10013					11:21	9:05		-8			4-22
SSB-2									41846					11:23	9:01		-6			7083
SSB-4									41835					11:24	10:03		-10			4-22
SSB-3									36894					11:25	9:03		-6			7088
IA-1		IA							18305					11:22	10:01		-20			7364
IA-5									17348					11:23	9:05		-6			5610
IA-3									36988					11:24	10:02		-8			12185
IA-4									36948					11:25	10:02		-8			5378
IA-B									43006					11:30	10:04		-11			7364
OA-1		OA							3704					11:38	10:00 AM		-10			7606

Air Matrix Codes:
AI - Indoor Air
AO- Outdoor Air
SV - Soil Vapor
SB - Sub-slab

Notes :

Appendix C. NYSDOH Indoor Air Quality Questionnaire and Building Inventory

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Paul Matla Date/Time Prepared 10:00 AM

Preparer's Affiliation Env. Consultant Phone No. (631) 241-7165

Purpose of Investigation SVI Assessment

1. OCCUPANT:

Interviewed: Y / N

Last Name: Pamela First Name: Ramon

Address: 245 W 55th Str

County: New York

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location NA Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y (N)

Last Name: _____ First Name: __

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: Vacant

If the property is residential, type? (Circle appropriate response) NA

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? NA

If the property is commercial, type?

Business Type(s) film industry + production

Does it include residences (i.e., multi-use)? Y (N) If yes, how many? _____

Other characteristics:

Number of floors 12 Building age 1915

Is the building insulated? (Y) / N How air tight? (Tight) / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Elevator shaft + Staircase

Airflow near source

AC + Ventilation ducts

(Heating by steam pipes from boiler

Outdoor air infiltration

Staircase + Elevator

Infiltration into air ducts

Floor by floor dedicated HVAC.

Sealed. No infiltration

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	(concrete)	stone	(brick)
b. Basement type:	(full)	crawlspace	slab	other _____
c. Basement floor:	(concrete)	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with 9"x9" - 12x12 - Epoxy	
e. Concrete floor:	(unsealed)	sealed	sealed with [bare]	
f. Foundation walls:	(poured)	block	stone	other _____
g. Foundation walls:	(unsealed)	sealed	sealed with _____	
h. The basement is:	wet	damp	(dry)	moldy
i. The basement is:	finished	(unfinished)	partially finished	
✓ **j. Sump present?**	(Y) / N	in pit + in passenger elevator		
✓ **k. Water in sump?**	(Y) / N / not applicable			

Basement/Lowest level depth below grade: 15 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Cracks, floor drains 1.5' x 1' + 12" diameter

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

✓ **Type of heating system(s) used in this building: (circle all that apply – note primary)**

Hot air circulation	Heat pump	(Hot water baseboard)	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	~~Wood stove~~	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	(Fuel Oil)	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Natural gas

Boiler/furnace located in: (Basement) Outdoors Main Floor Other _____

✓ **Air conditioning:** Central Air Window units Open Windows None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Dedicated floor by floor Circulation units and ducts

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally (Seldom) Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Storage of cleaning chemical + tool of electric wire + PCs Building maintenance
1st Floor	N/A
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? (Y) / N

b. Does the garage have a separate heating unit? Y / (N) / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / (N) / NA Please specify_____

d. Has the building ever had a fire? Y / (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y (N) Where?_____

f. Is there a workshop or hobby/craft area? Y (N) Where & Type?_____

g. Is there smoking in the building? Y (N) How frequently?_____

h. Have cleaning products been used recently? Y (N) When & Type?_____

i. Have cosmetic products been used recently? Y (N) When & Type?_____

j. Has painting/staining been done in the last 6 months? Y (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y (N) Where & When? _____

l. Have air fresheners been used recently? Y (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y (N) If yes, where vented? _____

o. Is there a clothes dryer? Y (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y (N) When & Type? _____

Are there odors in the building? Y (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? Chemical used to clean boiler + liquid drain opener

If yes, are their clothes washed at work? Y (N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) (No)
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y (N) Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: N/A

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

See Sampling plan

First Floor:

NA -

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

13. PRODUCT INVENTORY FORM

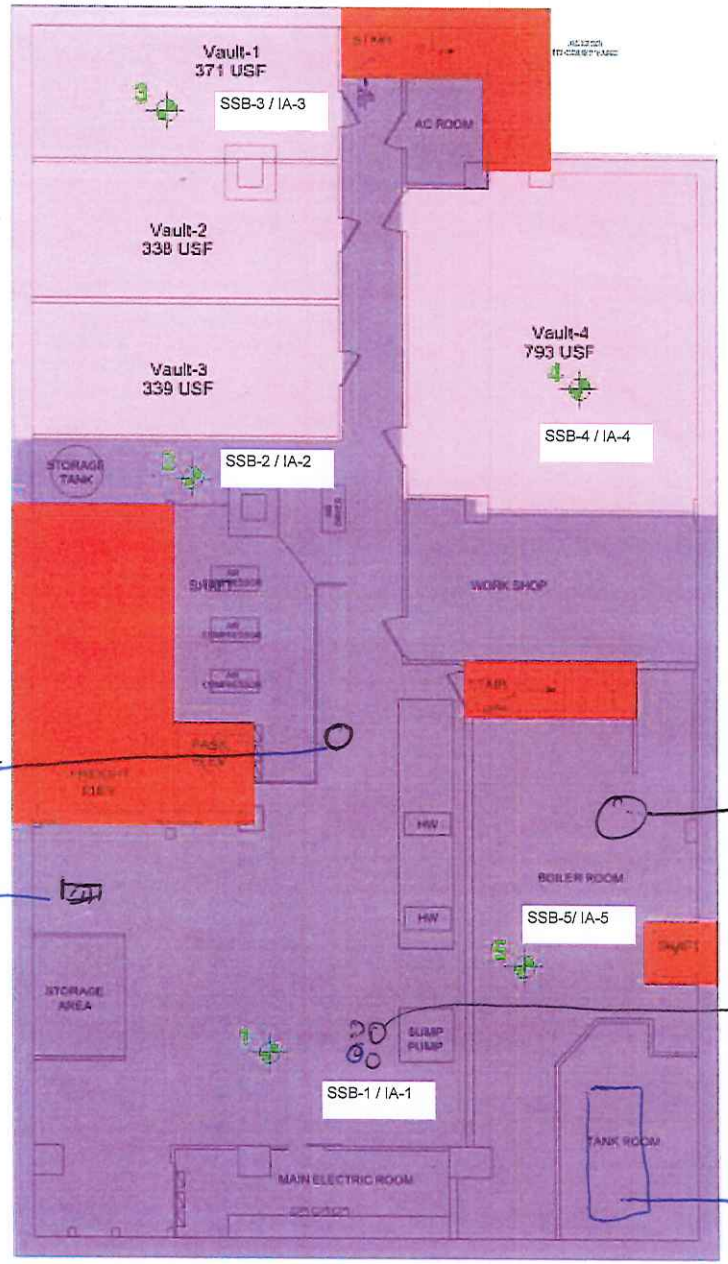
Make & Model of field instrument used: RAE

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** (Y) N
Basement	liquid drain opener	1L x24	sealed	unknown	0.0	Y
"	Emulsifying cleaner	5G x24	sealed	surfactant	0.0	Y
"	detergent + soap	1G x1	sealed	petroleum distillate	0.0	
"	unknown	1G x1	sealed	Calcium Carbonate	0.0	Y
"	Boric acid	25G x1	sealed	sodium hydroxide	0.0	Y
"	oil AST	3500	"	fuel oil	0.0	Y

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Area Types



Bldg Common
3,753 SF 39.73%

Retail/Storage
1,840 SF 29.28%

Non Rentable
691 SF 10.99%

12" door

1.5' x 1' floor door

oil on base of suspended elevator shaft

steel bevels

3,500 gl fuel oil Ast

DuArt Building
245 West 55th Street
Basement

Appendix D. Laboratory Report

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
231 West 29th Street, Suite 1104
New York NY, 10001
Attention: Paul Matli

Report Date: 10/18/2022
Client Project ID: 220064 245 W. 55th St., New York, NY
York Project (SDG) No.: 22J0588

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: 10/18/2022
Client Project ID: 220064 245 W. 55th St., New York, NY
York Project (SDG) No.: 22J0588

Hydro Tech Environmental (Brooklyn)
231 West 29th Street, Suite 1104
New York NY, 10001
Attention: Paul Matli

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 October 12, 2022 and listed below. The project was identified as your project: **220064 245 W. 55th St., New York, NY**.

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
22J0588-01	SSB-1	Soil Vapor	10/11/2022	10/12/2022
22J0588-02	IA-1	Indoor Ambient Air	10/11/2022	10/12/2022
22J0588-03	SSB-2	Soil Vapor	10/11/2022	10/12/2022
22J0588-04	IA-2	Indoor Ambient Air	10/11/2022	10/12/2022
22J0588-05	SSB-3	Soil Vapor	10/11/2022	10/12/2022
22J0588-06	IA-3	Indoor Ambient Air	10/11/2022	10/12/2022
22J0588-07	SSB-4	Soil Vapor	10/11/2022	10/12/2022
22J0588-08	IA-4	Indoor Ambient Air	10/11/2022	10/12/2022
22J0588-09	SSB-5	Soil Vapor	10/11/2022	10/12/2022
22J0588-10	IA-5	Indoor Ambient Air	10/11/2022	10/12/2022
22J0588-11	OA-1	Outdoor Ambient Ai	10/11/2022	10/12/2022

General Notes for York Project (SDG) No.: 22J0588

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:** 10/18/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SSB-1 **York Sample ID:** 22J0588-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Soil Vapor	October 11, 2022 9:09 am	10/12/2022

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	11	16.66	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 12:04	LLJ
71-55-6	**1,1,1-Trichloroethane**	**77000**		ug/m³	180	333.2	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 21:00	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	11	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**3500**		ug/m³	13	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.1	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
75-34-3	**1,1-Dichloroethane**	**7100**		ug/m³	130	333.2	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 21:00	LLJ
75-35-4	**1,1-Dichloroethylene**	**1400**		ug/m³	1.7	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	12	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
95-63-6	**1,2,4-Trimethylbenzene**	**9.0**		ug/m³	8.2	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	13	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	10	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	6.7	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	7.7	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	12	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	8.2	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	11	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	10	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	7.7	16.66	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 12:04	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	10	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	12	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
78-93-3	2-Butanone	ND		ug/m³	4.9	16.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 12:04	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	14	16.66	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 12:04	LLJ

Sample Information

Client Sample ID: **SSB-1** **York Sample ID:** **22J0588-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Soil Vapor	October 11, 2022 9:09 am	10/12/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	26	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	6.8	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
67-64-1	**Acetone**	**46**		ug/m³	7.9	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
107-13-1	Acrylonitrile	ND		ug/m³	3.6	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
71-43-2	Benzene	ND		ug/m³	5.3	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
100-44-7	Benzyl chloride	ND		ug/m³	8.6	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
75-27-4	Bromodichloromethane	ND		ug/m³	11	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
75-25-2	Bromoform	ND		ug/m³	17	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
74-83-9	Bromomethane	ND		ug/m³	6.5	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
75-15-0	Carbon disulfide	ND		ug/m³	5.2	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
56-23-5	**Carbon tetrachloride**	**4.2**		ug/m³	2.6	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
108-90-7	Chlorobenzene	ND		ug/m³	7.7	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
75-00-3	**Chloroethane**	**8.8**		ug/m³	4.4	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
67-66-3	**Chloroform**	**47**		ug/m³	8.1	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
74-87-3	Chloromethane	ND		ug/m³	3.4	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
156-59-2	**cis-1,2-Dichloroethylene**	**130**		ug/m³	1.7	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	7.6	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
110-82-7	**Cyclohexane**	**14**		ug/m³	5.7	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
124-48-1	Dibromochloromethane	ND		ug/m³	14	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m³	8.2	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
141-78-6	* Ethyl acetate	ND		ug/m³	12	16.66	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 12:04	LLJ
100-41-4	**Ethyl Benzene**	**12**		ug/m³	7.2	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m³	18	16.66	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 12:04	LLJ

Sample Information

Client Sample ID: **SSB-1** **York Sample ID:** **22J0588-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Soil Vapor	October 11, 2022 9:09 am	10/12/2022

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
67-63-0	**Isopropanol**	**230**	B	ug/m³	16	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	6.8	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.0	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	Methylene chloride	ND		ug/m³	12	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**7.5**		ug/m³	6.8	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**18**		ug/m³	5.9	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**15**		ug/m³	7.2	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**52**		ug/m³	14	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	* p-Ethyltoluene	ND		ug/m³	8.2	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications:			
115-07-1	*** Propylene**	**13**		ug/m³	2.9	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	7.1	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**4500**		ug/m³	11	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	9.8	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications:			
108-88-3	**Toluene**	**140**		ug/m³	6.3	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	6.6	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	7.6	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**720**		ug/m³	2.2	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	9.4	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	5.9	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	7.3	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	2.1	16.66	EPA TO-15	10/16/2022 01:33	10/16/2022 12:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: IA-1 **York Sample ID:** 22J0588-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Indoor Ambient Air	October 11, 2022 10:01 am	10/12/2022

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	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:			
71-55-6	**1,1,1-Trichloroethane**	**310**		ug/m³	1.0	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.3	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**17**		ug/m³	1.4	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.0	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	**1,1-Dichloroethane**	**29**		ug/m³	0.77	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	**1,1-Dichloroethylene**	**6.9**		ug/m³	0.19	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.4	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**1.0**		ug/m³	0.93	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.5	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.1	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.77	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.87	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.3	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.93	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	1.3	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.1	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.87	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.1	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	1.4	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**1.2**		ug/m³	0.56	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	1.5	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	3.0	1.891	EPA TO-15	10/16/2022 01:33	10/16/2022 13:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: IA-1 **York Sample ID:** 22J0588-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Indoor Ambient Air	October 11, 2022 10:01 am	10/12/2022

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	0.77	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
67-64-1	**Acetone**	**12**		ug/m³	0.90	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
107-13-1	Acrylonitrile	ND		ug/m³	0.41	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
71-43-2	Benzene	ND		ug/m³	0.60	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
100-44-7	Benzyl chloride	ND		ug/m³	0.98	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
75-27-4	Bromodichloromethane	ND		ug/m³	1.3	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
75-25-2	Bromoform	ND		ug/m³	2.0	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
74-83-9	Bromomethane	ND		ug/m³	0.73	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
75-15-0	Carbon disulfide	ND		ug/m³	0.59	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
56-23-5	**Carbon tetrachloride**	**0.36**		ug/m³	0.30	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
108-90-7	Chlorobenzene	ND		ug/m³	0.87	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
75-00-3	Chloroethane	ND		ug/m³	0.50	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
67-66-3	**Chloroform**	**1.5**		ug/m³	0.92	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
74-87-3	**Chloromethane**	**1.3**		ug/m³	0.39	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
156-59-2	**cis-1,2-Dichloroethylene**	**1.3**		ug/m³	0.19	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.86	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
110-82-7	Cyclohexane	ND		ug/m³	0.65	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
124-48-1	Dibromochloromethane	ND		ug/m³	1.6	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
75-71-8	**Dichlorodifluoromethane**	**2.5**		ug/m³	0.94	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
141-78-6	* Ethyl acetate	ND		ug/m³	1.4	1.891	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 13:03	LLJ
100-41-4	Ethyl Benzene	ND		ug/m³	0.82	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.0	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
67-63-0	**Isopropanol**	**20**	B	ug/m³	1.9	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ

Sample Information

Client Sample ID: IA-1 **York Sample ID:** 22J0588-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Indoor Ambient Air	October 11, 2022 10:01 am	10/12/2022

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	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.68	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
75-09-2	Methylene chloride	ND		ug/m³	1.3	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
142-82-5	n-Heptane	ND		ug/m³	0.78	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
110-54-3	n-Hexane	ND		ug/m³	0.67	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
95-47-6	o-Xylene	ND		ug/m³	0.82	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
179601-23-1	**p- & m- Xylenes**	**1.6**		ug/m³	1.6	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.93	1.891	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 13:03	LLJ
115-07-1	*** Propylene**	**1.8**		ug/m³	0.33	1.891	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 13:03	LLJ
100-42-5	Styrene	ND		ug/m³	0.81	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
127-18-4	**Tetrachloroethylene**	**22**		ug/m³	1.3	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.1	1.891	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 13:03	LLJ
108-88-3	**Toluene**	**3.0**		ug/m³	0.71	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.75	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.86	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
79-01-6	**Trichloroethylene**	**4.3**		ug/m³	0.25	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.2**		ug/m³	1.1	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	0.67	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	0.83	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.24	1.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 13:03	LLJ

Sample Information

Client Sample ID: **SSB-2** **York Sample ID:** **22J0588-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Soil Vapor	October 11, 2022 9:01 am	10/12/2022

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	1.621	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 16:02	LLJ
71-55-6	**1,1,1-Trichloroethane**	**260**		ug/m³	0.88	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.1	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**10**		ug/m³	1.2	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.88	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
75-34-3	**1,1-Dichloroethane**	**9.8**		ug/m³	0.66	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
75-35-4	**1,1-Dichloroethylene**	**2.4**		ug/m³	0.16	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.2	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
95-63-6	**1,2,4-Trimethylbenzene**	**18**		ug/m³	0.80	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.2	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.97	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.66	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.75	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.1	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
108-67-8	**1,3,5-Trimethylbenzene**	**4.9**		ug/m³	0.80	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	1.1	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.97	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.75	1.621	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 16:02	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.97	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	1.2	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
78-93-3	**2-Butanone**	**3.8**		ug/m³	0.48	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	1.3	1.621	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 16:02	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	2.5	1.621	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:02	LLJ

Sample Information

Client Sample ID: **SSB-2** **York Sample ID:** **22J0588-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Soil Vapor	October 11, 2022 9:01 am	10/12/2022

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**	**0.80**		ug/m³	0.66	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**25**		ug/m³	0.77	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.35	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**1.3**		ug/m³	0.52	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.84	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	1.7	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.63	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**1.2**		ug/m³	0.50	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.41**		ug/m³	0.25	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.75	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.43	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	**Chloroform**	**5.3**		ug/m³	0.79	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	0.33	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	**cis-1,2-Dichloroethylene**	**50**		ug/m³	0.16	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.74	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**2.0**		ug/m³	0.56	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.4**		ug/m³	0.80	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	*** Ethyl acetate**	**2.9**		ug/m³	1.2	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**18**		ug/m³	0.70	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.7	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SSB-2** **York Sample ID:** **22J0588-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Soil Vapor	October 11, 2022 9:01 am	10/12/2022

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
67-63-0	**Isopropanol**	**4.8**	B	ug/m³	1.2	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.66	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.58	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**1.5**		ug/m³	1.1	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**2.9**		ug/m³	0.66	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**18**		ug/m³	0.57	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**25**		ug/m³	0.70	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**87**		ug/m³	1.4	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**14**		ug/m³	0.80	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:			
115-07-1	*** Propylene**	**0.98**		ug/m³	0.28	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.69	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**210**		ug/m³	1.1	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	*** Tetrahydrofuran**	**3.3**		ug/m³	0.96	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications:			
108-88-3	**Toluene**	**230**		ug/m³	0.61	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	**trans-1,2-Dichloroethylene**	**0.77**		ug/m³	0.64	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.74	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**6.6**		ug/m³	0.22	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.6**		ug/m³	0.91	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.57	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.71	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.21	1.621	EPA TO-15	10/17/2022 09:00	10/17/2022 16:02	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **IA-2** **York Sample ID:** **22J0588-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Indoor Ambient Air	October 11, 2022 10:02 am	10/12/2022

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	0.58	0.841	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 14:49	LLJ
71-55-6	**1,1,1-Trichloroethane**	**1.1**		ug/m³	0.46	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.58	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.64	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.46	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.34	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.083	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.62	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
95-63-6	**1,2,4-Trimethylbenzene**	**0.79**		ug/m³	0.41	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.65	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.51	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.34	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.39	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.59	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.41	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	0.56	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.51	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.39	0.841	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 14:49	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.51	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	0.61	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
78-93-3	**2-Butanone**	**1.3**		ug/m³	0.25	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	0.69	0.841	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 14:49	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	1.3	0.841	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 14:49	LLJ

Sample Information

Client Sample ID: IA-2 **York Sample ID:** 22J0588-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Indoor Ambient Air	October 11, 2022 10:02 am	10/12/2022

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	0.34	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**13**		ug/m³	0.40	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.18	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**0.59**		ug/m³	0.27	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.44	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	0.56	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	0.87	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.33	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	Carbon disulfide	ND		ug/m³	0.26	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.42**		ug/m³	0.13	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.39	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.22	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	**Chloroform**	**1.7**		ug/m³	0.41	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	**Chloromethane**	**1.4**		ug/m³	0.17	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	**cis-1,2-Dichloroethylene**	**0.20**		ug/m³	0.083	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.38	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	Cyclohexane	ND		ug/m³	0.29	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	0.72	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.6**		ug/m³	0.42	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	*** Ethyl acetate**	**0.73**		ug/m³	0.61	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**0.37**		ug/m³	0.37	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.90	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**19**	B	ug/m³	0.83	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: IA-2 **York Sample ID:** 22J0588-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Indoor Ambient Air	October 11, 2022 10:02 am	10/12/2022

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	0.34	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.30	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**0.99**		ug/m³	0.58	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**0.48**		ug/m³	0.34	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**0.59**		ug/m³	0.30	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**0.47**		ug/m³	0.37	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**1.4**		ug/m³	0.73	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	*** p-Ethyltoluene**	**0.58**		ug/m³	0.41	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:			
115-07-1	*** Propylene**	**1.3**		ug/m³	0.14	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.36	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**4.6**		ug/m³	0.57	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.50	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:			
108-88-3	**Toluene**	**3.2**		ug/m³	0.32	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.33	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.38	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	**Trichloroethylene**	**0.18**		ug/m³	0.11	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.1**		ug/m³	0.47	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.30	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.37	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.11	0.841	EPA TO-15	10/16/2022 01:33	10/16/2022 14:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SSB-3** **York Sample ID:** **22J0588-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Soil Vapor	October 11, 2022 9:03 am	10/12/2022

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	2.2	3.192	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 20:12	LLJ
71-55-6	**1,1,1-Trichloroethane**	**730**		ug/m³	1.7	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	2.2	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**6.8**		ug/m³	2.4	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.7	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
75-34-3	**1,1-Dichloroethane**	**11**		ug/m³	1.3	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
75-35-4	**1,1-Dichloroethylene**	**2.8**		ug/m³	0.32	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.4	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
95-63-6	**1,2,4-Trimethylbenzene**	**19**		ug/m³	1.6	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	2.5	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.9	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.3	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.5	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	2.2	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
108-67-8	**1,3,5-Trimethylbenzene**	**4.9**		ug/m³	1.6	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	2.1	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.9	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	1.5	3.192	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 20:12	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.9	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	2.3	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
78-93-3	**2-Butanone**	**9.4**		ug/m³	0.94	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	2.6	3.192	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 20:12	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	5.0	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ

Sample Information

Client Sample ID: **SSB-3** **York Sample ID:** **22J0588-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Soil Vapor	October 11, 2022 9:03 am	10/12/2022

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**	**2.0**		ug/m³	1.3	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**48**		ug/m³	1.5	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.69	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	**Benzene**	**3.5**		ug/m³	1.0	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	1.7	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	2.1	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	3.3	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	1.2	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	**Carbon disulfide**	**2.9**		ug/m³	0.99	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	Carbon tetrachloride	ND		ug/m³	0.50	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	1.5	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.84	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	**Chloroform**	**5.1**		ug/m³	1.6	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	Chloromethane	ND		ug/m³	0.66	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	**cis-1,2-Dichloroethylene**	**1.1**		ug/m³	0.32	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.4	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	**Cyclohexane**	**3.3**		ug/m³	1.1	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	2.7	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**3.0**		ug/m³	1.6	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	*** Ethyl acetate**	**6.3**		ug/m³	2.3	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**19**		ug/m³	1.4	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	3.4	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**59**	B	ug/m³	2.4	3.192	EPA TO-15	10/17/2022 09:00	10/17/2022 20:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SSB-3 **York Sample ID:** 22J0588-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Soil Vapor	October 11, 2022 9:03 am	10/12/2022

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	1.3	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.2	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
75-09-2	Methylene chloride	ND		ug/m³	2.2	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
142-82-5	**n-Heptane**	**8.8**		ug/m³	1.3	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
110-54-3	**n-Hexane**	**23**		ug/m³	1.1	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
95-47-6	**o-Xylene**	**26**		ug/m³	1.4	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
179601-23-1	**p- & m- Xylenes**	**87**		ug/m³	2.8	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
622-96-8	*** p-Ethyltoluene**	**14**		ug/m³	1.6	3.192	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 20:12	LLJ
115-07-1	*** Propylene**	**1.3**		ug/m³	0.55	3.192	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 20:12	LLJ
100-42-5	Styrene	ND		ug/m³	1.4	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
127-18-4	**Tetrachloroethylene**	**500**		ug/m³	2.2	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
109-99-9	*** Tetrahydrofuran**	**4.2**		ug/m³	1.9	3.192	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 20:12	LLJ
108-88-3	**Toluene**	**230**		ug/m³	1.2	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	1.3	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.4	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
79-01-6	**Trichloroethylene**	**2.6**		ug/m³	0.43	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.2**		ug/m³	1.8	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	1.1	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	1.4	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.41	3.192	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 20:12	LLJ

Sample Information

Client Sample ID: **IA-3** **York Sample ID:** **22J0588-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Indoor Ambient Air	October 11, 2022 10:04 am	10/12/2022

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	0.70	1.017	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 16:35	LLJ
71-55-6	**1,1,1-Trichloroethane**	**0.83**		ug/m³	0.55	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.70	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.78	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.41	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.10	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.75	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.50	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.78	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.61	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.41	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.47	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.71	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.50	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	0.67	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.61	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.47	1.017	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 16:35	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.61	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	0.73	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
78-93-3	**2-Butanone**	**1.7**		ug/m³	0.30	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	0.83	1.017	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 16:35	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	1.6	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ

Sample Information

Client Sample ID: IA-3 **York Sample ID:** 22J0588-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Indoor Ambient Air	October 11, 2022 10:04 am	10/12/2022

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	0.42	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
67-64-1	**Acetone**	**16**		ug/m³	0.48	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
107-13-1	Acrylonitrile	ND		ug/m³	0.22	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
71-43-2	**Benzene**	**0.62**		ug/m³	0.32	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
100-44-7	Benzyl chloride	ND		ug/m³	0.53	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
75-27-4	Bromodichloromethane	ND		ug/m³	0.68	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
75-25-2	Bromoform	ND		ug/m³	1.1	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
74-83-9	Bromomethane	ND		ug/m³	0.39	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
75-15-0	Carbon disulfide	ND		ug/m³	0.32	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
56-23-5	**Carbon tetrachloride**	**0.45**		ug/m³	0.16	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
108-90-7	Chlorobenzene	ND		ug/m³	0.47	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
75-00-3	Chloroethane	ND		ug/m³	0.27	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
67-66-3	**Chloroform**	**1.5**		ug/m³	0.50	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
74-87-3	**Chloromethane**	**1.5**		ug/m³	0.21	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.10	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.46	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
110-82-7	**Cyclohexane**	**0.56**		ug/m³	0.35	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
124-48-1	Dibromochloromethane	ND		ug/m³	0.87	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
75-71-8	**Dichlorodifluoromethane**	**2.7**		ug/m³	0.50	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
141-78-6	*** Ethyl acetate**	**1.2**		ug/m³	0.73	1.017	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 16:35	LLJ
100-41-4	Ethyl Benzene	ND		ug/m³	0.44	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ
67-63-0	**Isopropanol**	**27**	B	ug/m³	1.0	1.017	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 16:35	LLJ

Sample Information

Client Sample ID: IA-3 **York Sample ID:** 22J0588-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Indoor Ambient Air	October 11, 2022 10:04 am	10/12/2022

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	0.42	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.37	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ
75-09-2	**Methylene chloride**	**1.2**		ug/m³	0.71	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ
142-82-5	**n-Heptane**	**0.50**		ug/m³	0.42	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ
110-54-3	**n-Hexane**	**0.97**		ug/m³	0.36	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ
95-47-6	**o-Xylene**	**0.44**		ug/m³	0.44	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ
179601-23-1	**p- & m- Xylenes**	**1.2**		ug/m³	0.88	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.50	1.017	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 16:35	LLJ
115-07-1	*** Propylene**	**1.3**		ug/m³	0.18	1.017	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 16:35	LLJ
100-42-5	Styrene	ND		ug/m³	0.43	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ
127-18-4	**Tetrachloroethylene**	**4.5**		ug/m³	0.69	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.60	1.017	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 16:35	LLJ
108-88-3	**Toluene**	**2.9**		ug/m³	0.38	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.46	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ
79-01-6	Trichloroethylene	ND		ug/m³	0.14	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.3**		ug/m³	0.57	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	0.36	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	0.44	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.13	1.017	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 16:35	LLJ

Sample Information

Client Sample ID: **SSB-4** **York Sample ID:** **22J0588-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Soil Vapor	October 11, 2022 10:03 am	10/12/2022

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	1.5	2.204	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 16:55	LLJ
71-55-6	**1,1,1-Trichloroethane**	**490**		ug/m³	1.2	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.5	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**4.7**		ug/m³	1.7	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.2	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.89	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.22	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.6	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
95-63-6	**1,2,4-Trimethylbenzene**	**16**		ug/m³	1.1	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.7	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.3	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.89	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.0	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.5	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
108-67-8	**1,3,5-Trimethylbenzene**	**4.2**		ug/m³	1.1	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	1.5	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.3	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	1.0	2.204	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 16:55	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.3	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	1.6	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
78-93-3	**2-Butanone**	**4.0**		ug/m³	0.65	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	1.8	2.204	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 16:55	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	3.4	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ

Sample Information

Client Sample ID: **SSB-4** **York Sample ID:** **22J0588-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Soil Vapor	October 11, 2022 10:03 am	10/12/2022

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**	**2.2**		ug/m³	0.90	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**29**		ug/m³	1.0	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.48	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**2.1**		ug/m³	0.70	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	1.1	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	1.5	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	2.3	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.86	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**3.2**		ug/m³	0.69	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.55**		ug/m³	0.35	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	1.0	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.58	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	**Chloroform**	**4.2**		ug/m³	1.1	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	0.46	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.22	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.0	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**2.7**		ug/m³	0.76	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	1.9	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.5**		ug/m³	1.1	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	*** Ethyl acetate**	**2.6**		ug/m³	1.6	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**19**		ug/m³	0.96	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.4	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**4.0**	B	ug/m³	1.6	2.204	EPA TO-15	10/17/2022 09:00	10/17/2022 16:55	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SSB-4** **York Sample ID:** **22J0588-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Soil Vapor	October 11, 2022 10:03 am	10/12/2022

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	0.90	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.79	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
75-09-2	Methylene chloride	ND		ug/m³	1.5	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
142-82-5	**n-Heptane**	**5.4**		ug/m³	0.90	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
110-54-3	**n-Hexane**	**19**		ug/m³	0.78	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
95-47-6	**o-Xylene**	**26**		ug/m³	0.96	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
179601-23-1	**p- & m- Xylenes**	**87**		ug/m³	1.9	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
622-96-8	*** p-Ethyltoluene**	**13**		ug/m³	1.1	2.204	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 16:55	LLJ
115-07-1	*** Propylene**	**2.7**		ug/m³	0.38	2.204	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 16:55	LLJ
100-42-5	Styrene	ND		ug/m³	0.94	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
127-18-4	**Tetrachloroethylene**	**700**		ug/m³	1.5	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
109-99-9	*** Tetrahydrofuran**	**2.9**		ug/m³	1.3	2.204	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 16:55	LLJ
108-88-3	**Toluene**	**230**		ug/m³	0.83	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.87	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.0	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
79-01-6	**Trichloroethylene**	**3.0**		ug/m³	0.30	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.7**		ug/m³	1.2	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	0.78	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	0.96	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.28	2.204	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 16:55	LLJ

Sample Information

Client Sample ID: IA-4 **York Sample ID:** 22J0588-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Indoor Ambient Air	October 11, 2022 10:02 am	10/12/2022

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	0.63	0.918	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 18:20	LLJ
71-55-6	**1,1,1-Trichloroethane**	**1.1**		ug/m³	0.50	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.63	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.70	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.50	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.37	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.091	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.68	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.45	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.71	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.55	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.37	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.42	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.64	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.45	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	0.61	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.55	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.42	0.918	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 18:20	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.55	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	0.66	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
78-93-3	**2-Butanone**	**1.1**		ug/m³	0.27	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	0.75	0.918	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 18:20	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	1.4	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ

Sample Information

Client Sample ID: IA-4 **York Sample ID:** 22J0588-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Indoor Ambient Air	October 11, 2022 10:02 am	10/12/2022

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	0.38	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
67-64-1	**Acetone**	**12**		ug/m³	0.44	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
107-13-1	Acrylonitrile	ND		ug/m³	0.20	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
71-43-2	**Benzene**	**0.47**		ug/m³	0.29	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
100-44-7	Benzyl chloride	ND		ug/m³	0.48	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
75-27-4	Bromodichloromethane	ND		ug/m³	0.62	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
75-25-2	Bromoform	ND		ug/m³	0.95	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
74-83-9	Bromomethane	ND		ug/m³	0.36	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
75-15-0	Carbon disulfide	ND		ug/m³	0.29	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
56-23-5	**Carbon tetrachloride**	**0.40**		ug/m³	0.14	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
108-90-7	Chlorobenzene	ND		ug/m³	0.42	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
75-00-3	Chloroethane	ND		ug/m³	0.24	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
67-66-3	**Chloroform**	**0.58**		ug/m³	0.45	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
74-87-3	**Chloromethane**	**1.4**		ug/m³	0.19	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.091	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.42	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
110-82-7	Cyclohexane	ND		ug/m³	0.32	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
124-48-1	Dibromochloromethane	ND		ug/m³	0.78	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
75-71-8	**Dichlorodifluoromethane**	**2.5**		ug/m³	0.45	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
141-78-6	* Ethyl acetate	ND		ug/m³	0.66	0.918	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 18:20	LLJ
100-41-4	Ethyl Benzene	ND		ug/m³	0.40	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.98	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ
67-63-0	**Isopropanol**	**17**	B	ug/m³	0.90	0.918	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 18:20	LLJ

Sample Information

Client Sample ID: IA-4 **York Sample ID:** 22J0588-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Indoor Ambient Air	October 11, 2022 10:02 am	10/12/2022

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	0.38	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.33	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
75-09-2	**Methylene chloride**	**1.2**		ug/m³	0.64	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
142-82-5	n-Heptane	ND		ug/m³	0.38	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
110-54-3	**n-Hexane**	**0.42**		ug/m³	0.32	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
95-47-6	o-Xylene	ND		ug/m³	0.40	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.80	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.45	0.918	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 18:20	LLJ
115-07-1	*** Propylene**	**1.2**		ug/m³	0.16	0.918	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 18:20	LLJ
100-42-5	Styrene	ND		ug/m³	0.39	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
127-18-4	**Tetrachloroethylene**	**5.2**		ug/m³	0.62	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.54	0.918	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 18:20	LLJ
108-88-3	**Toluene**	**1.3**		ug/m³	0.35	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.36	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.42	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
79-01-6	Trichloroethylene	ND		ug/m³	0.12	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.2**		ug/m³	0.52	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	0.32	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	0.40	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.12	0.918	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 18:20	LLJ

Sample Information

Client Sample ID: **SSB-5** **York Sample ID:** **22J0588-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Soil Vapor	October 11, 2022 9:05 am	10/12/2022

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 Certifications:	10/17/2022 09:00	10/17/2022 17:48	LLJ
71-55-6	**1,1,1-Trichloroethane**	**44**		ug/m³	1.0	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.3	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**5.0**		ug/m³	1.4	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.0	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
75-34-3	**1,1-Dichloroethane**	**2.3**		ug/m³	0.76	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.19	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.4	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
95-63-6	**1,2,4-Trimethylbenzene**	**20**		ug/m³	0.92	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.4	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.1	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.76	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.87	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.3	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
108-67-8	**1,3,5-Trimethylbenzene**	**5.2**		ug/m³	0.92	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	1.2	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.1	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.87	1.872	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 17:48	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.1	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	1.3	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
78-93-3	**2-Butanone**	**25**		ug/m³	0.55	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	1.5	1.872	EPA TO-15 Certifications:	10/17/2022 09:00	10/17/2022 17:48	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	2.9	1.872	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/17/2022 09:00	10/17/2022 17:48	LLJ

Sample Information

Client Sample ID: **SSB-5** **York Sample ID:** **22J0588-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Soil Vapor	October 11, 2022 9:05 am	10/12/2022

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**	**5.8**		ug/m³	0.77	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**92**		ug/m³	0.89	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.41	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**2.2**		ug/m³	0.60	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.97	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	**Bromodichloromethane**	**1.4**		ug/m³	1.3	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	1.9	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.73	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**3.1**		ug/m³	0.58	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.47**		ug/m³	0.29	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.86	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.49	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	**Chloroform**	**23**		ug/m³	0.91	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	**Chloromethane**	**1.3**		ug/m³	0.39	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	**cis-1,2-Dichloroethylene**	**6.5**		ug/m³	0.19	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.85	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**3.0**		ug/m³	0.64	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	1.6	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**3.0**		ug/m³	0.93	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	*** Ethyl acetate**	**4.8**		ug/m³	1.3	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**22**		ug/m³	0.81	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.0	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SSB-5** **York Sample ID:** **22J0588-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Soil Vapor	October 11, 2022 9:05 am	10/12/2022

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
67-63-0	**Isopropanol**	**3.7**	B	ug/m³	1.4	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.77	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.67	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	Methylene chloride	ND		ug/m³	1.3	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**6.1**		ug/m³	0.77	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**24**		ug/m³	0.66	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**29**		ug/m³	0.81	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**97**		ug/m³	1.6	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**15**		ug/m³	0.92	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:			
115-07-1	*** Propylene**	**3.5**		ug/m³	0.32	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.80	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**200**		ug/m³	1.3	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	*** Tetrahydrofuran**	**6.2**		ug/m³	1.1	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications:			
108-88-3	**Toluene**	**280**		ug/m³	0.71	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.74	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.85	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**2.3**		ug/m³	0.25	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.0**		ug/m³	1.1	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.66	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.82	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.24	1.872	EPA TO-15	10/17/2022 09:00	10/17/2022 17:48	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: IA-5 **York Sample ID:** 22J0588-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Indoor Ambient Air	October 11, 2022 9:04 am	10/12/2022

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	0.61	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:			
71-55-6	**1,1,1-Trichloroethane**	**2.2**		ug/m³	0.49	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.61	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.69	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.49	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.36	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.089	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.66	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**1.6**		ug/m³	0.44	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.69	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.54	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.36	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.41	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.62	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.44	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	0.59	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.54	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.41	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.54	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	0.64	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**1.6**		ug/m³	0.26	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	0.73	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	1.4	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: IA-5 **York Sample ID:** 22J0588-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Indoor Ambient Air	October 11, 2022 9:04 am	10/12/2022

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**	**0.62**		ug/m³	0.37	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**12**		ug/m³	0.42	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.19	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	**Benzene**	**0.54**		ug/m³	0.29	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	0.46	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	0.60	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	0.92	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	0.35	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	**Carbon disulfide**	**0.28**		ug/m³	0.28	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	**Carbon tetrachloride**	**0.39**		ug/m³	0.14	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	0.41	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.24	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	**Chloroform**	**1.1**		ug/m³	0.44	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	**Chloromethane**	**1.5**		ug/m³	0.18	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	**cis-1,2-Dichloroethylene**	**0.39**		ug/m³	0.089	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.41	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	0.31	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	0.76	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**2.6**		ug/m³	0.44	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	0.64	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**0.47**		ug/m³	0.39	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.95	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**20**	B	ug/m³	0.88	0.894	EPA TO-15	10/16/2022 01:33	10/16/2022 20:05	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: IA-5 **York Sample ID:** 22J0588-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Indoor Ambient Air	October 11, 2022 9:04 am	10/12/2022

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	0.37	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.32	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ
75-09-2	**Methylene chloride**	**0.81**		ug/m³	0.62	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ
142-82-5	**n-Heptane**	**0.59**		ug/m³	0.37	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ
110-54-3	**n-Hexane**	**0.54**		ug/m³	0.32	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ
95-47-6	**o-Xylene**	**0.66**		ug/m³	0.39	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ
179601-23-1	**p- & m- Xylenes**	**1.7**		ug/m³	0.78	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ
622-96-8	*** p-Ethyltoluene**	**1.1**		ug/m³	0.44	0.894	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 20:05	LLJ
115-07-1	*** Propylene**	**2.2**		ug/m³	0.15	0.894	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 20:05	LLJ
100-42-5	Styrene	ND		ug/m³	0.38	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ
127-18-4	**Tetrachloroethylene**	**6.0**		ug/m³	0.61	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.53	0.894	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 20:05	LLJ
108-88-3	**Toluene**	**3.8**		ug/m³	0.34	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.35	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.41	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ
79-01-6	**Trichloroethylene**	**0.38**		ug/m³	0.12	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.2**		ug/m³	0.50	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	0.31	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	0.39	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.11	0.894	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 20:05	LLJ

Sample Information

Client Sample ID: **OA-1** **York Sample ID:** **22J0588-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Outdoor Ambient Air	October 11, 2022 10:10 am	10/12/2022

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	0.929	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 21:04	LLJ
71-55-6	**1,1,1-Trichloroethane**	**0.51**		ug/m³	0.51	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.64	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.71	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.51	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.38	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.092	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.69	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
95-63-6	**1,2,4-Trimethylbenzene**	**1.2**		ug/m³	0.46	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.71	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.56	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.38	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.43	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.65	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.46	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	0.62	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.56	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.43	0.929	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 21:04	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.56	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	0.67	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
78-93-3	**2-Butanone**	**16**		ug/m³	0.27	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	0.76	0.929	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 21:04	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	1.5	0.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/16/2022 01:33	10/16/2022 21:04	LLJ

Sample Information

Client Sample ID: **OA-1** **York Sample ID:** **22J0588-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Outdoor Ambient Air	October 11, 2022 10:10 am	10/12/2022

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	0.38	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**21**		ug/m³	0.44	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.20	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	**Benzene**	**1.2**		ug/m³	0.30	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	0.48	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	0.62	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	0.96	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	0.36	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	0.29	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	**Carbon tetrachloride**	**0.35**		ug/m³	0.15	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	0.43	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.25	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	0.45	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	**Chloromethane**	**1.5**		ug/m³	0.19	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.092	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.42	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	0.32	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	0.79	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**2.7**		ug/m³	0.46	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	*** Ethyl acetate**	**10**		ug/m³	0.67	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**0.69**		ug/m³	0.40	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.99	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**9.2**	B	ug/m³	0.91	0.929	EPA TO-15	10/16/2022 01:33	10/16/2022 21:04	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **OA-1** **York Sample ID:** **22J0588-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J0588	220064 245 W. 55th St., New York, NY	Outdoor Ambient Air	October 11, 2022 10:10 am	10/12/2022

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	0.38	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.33	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ
75-09-2	Methylene chloride	ND		ug/m³	0.65	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ
142-82-5	**n-Heptane**	**0.65**		ug/m³	0.38	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ
110-54-3	**n-Hexane**	**0.79**		ug/m³	0.33	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ
95-47-6	**o-Xylene**	**0.97**		ug/m³	0.40	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ
179601-23-1	**p- & m- Xylenes**	**2.3**		ug/m³	0.81	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ
622-96-8	*** p-Ethyltoluene**	**0.87**		ug/m³	0.46	0.929	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 21:04	LLJ
115-07-1	*** Propylene**	**1.4**		ug/m³	0.16	0.929	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 21:04	LLJ
100-42-5	Styrene	ND		ug/m³	0.40	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m³	0.63	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ
109-99-9	*** Tetrahydrofuran**	**47**		ug/m³	0.55	0.929	EPA TO-15 Certifications:	10/16/2022 01:33	10/16/2022 21:04	LLJ
108-88-3	**Toluene**	**3.3**		ug/m³	0.35	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.37	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.42	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ
79-01-6	**Trichloroethylene**	**0.15**		ug/m³	0.12	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.2**		ug/m³	0.52	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	0.33	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	0.41	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.12	0.929	EPA TO-15 Certifications:	10/16/2022 01:33 NELAC-NY12058,NJDEP-Queens	10/16/2022 21:04	LLJ

Analytical Batch Summary

Batch ID: BJ20740 **Preparation Method:** EPA TO15 PREP **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
22J0588-01	SSB-1	10/16/22
22J0588-02	IA-1	10/16/22
22J0588-04	IA-2	10/16/22
22J0588-06	IA-3	10/16/22
22J0588-08	IA-4	10/16/22
22J0588-10	IA-5	10/16/22
22J0588-11	OA-1	10/16/22
BJ20740-BLK1	Blank	10/16/22
BJ20740-BS1	LCS	10/15/22
BJ20740-DUP1	Duplicate	10/15/22

Batch ID: BJ20932 **Preparation Method:** EPA TO15 PREP **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
22J0588-01RE1	SSB-1	10/17/22
22J0588-03	SSB-2	10/17/22
22J0588-05	SSB-3	10/17/22
22J0588-07	SSB-4	10/17/22
22J0588-09	SSB-5	10/17/22
BJ20932-BLK1	Blank	10/17/22
BJ20932-BS1	LCS	10/17/22
BJ20932-DUP1	Duplicate	10/17/22

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ20740 - EPA TO15 PREP											
Blank (BJ20740-BLK1)									Prepared & Analyzed: 10/16/2022		
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	0.79	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ20740 - EPA TO15 PREP											
Blank (BJ20740-BLK1)									Prepared & Analyzed: 10/16/2022		
n-Heptane	ND	0.41	ug/m³								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								
LCS (BJ20740-BS1)									Prepared: 10/15/2022 Analyzed: 10/16/2022		
1,1,1,2-Tetrachloroethane	9.58		ppbv	10.0		95.8	70-130				
1,1,1-Trichloroethane	9.76		"	10.0		97.6	70-130				
1,1,2,2-Tetrachloroethane	8.94		"	10.0		89.4	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.88		"	10.0		98.8	70-130				
1,1,2-Trichloroethane	9.45		"	10.0		94.5	70-130				
1,1-Dichloroethane	9.05		"	10.0		90.5	70-130				
1,1-Dichloroethylene	10.0		"	10.0		100	70-130				
1,2,4-Trichlorobenzene	8.47		"	10.0		84.7	70-130				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	70-130				
1,2-Dibromoethane	9.14		"	10.0		91.4	70-130				
1,2-Dichlorobenzene	10.6		"	10.0		106	70-130				
1,2-Dichloroethane	9.03		"	10.0		90.3	70-130				
1,2-Dichloropropane	8.51		"	10.0		85.1	70-130				
1,2-Dichlorotetrafluoroethane	12.8		"	10.0		128	70-130				
1,3,5-Trimethylbenzene	10.0		"	10.0		100	70-130				
1,3-Butadiene	11.3		"	10.0		113	70-130				
1,3-Dichlorobenzene	10.9		"	10.0		109	70-130				
1,3-Dichloropropane	8.28		"	10.0		82.8	70-130				
1,4-Dichlorobenzene	10.7		"	10.0		107	70-130				
1,4-Dioxane	8.35		"	10.0		83.5	70-130				
2-Butanone	8.19		"	10.0		81.9	70-130				
2-Hexanone	8.51		"	10.0		85.1	70-130				
3-Chloropropene	8.82		"	10.0		88.2	70-130				
4-Methyl-2-pentanone	7.72		"	10.0		77.2	70-130				
Acetone	7.89		"	10.0		78.9	70-130				
Acrylonitrile	8.99		"	10.0		89.9	70-130				
Benzene	9.48		"	10.0		94.8	70-130				
Benzyl chloride	9.28		"	10.0		92.8	70-130				
Bromodichloromethane	9.23		"	10.0		92.3	70-130				
Bromoform	10.7		"	10.0		107	70-130				
Bromomethane	10.7		"	10.0		107	70-130				
Carbon disulfide	9.34		"	10.0		93.4	70-130				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ20740 - EPA TO15 PREP											
LCS (BJ20740-BS1)								Prepared: 10/15/2022 Analyzed: 10/16/2022			
Carbon tetrachloride	10.6		ppbv	10.0		106	70-130				
Chlorobenzene	8.87		"	10.0		88.7	70-130				
Chloroethane	9.85		"	10.0		98.5	70-130				
Chloroform	9.56		"	10.0		95.6	70-130				
Chloromethane	11.8		"	10.0		118	70-130				
cis-1,2-Dichloroethylene	9.84		"	10.0		98.4	70-130				
cis-1,3-Dichloropropylene	8.85		"	10.0		88.5	70-130				
Cyclohexane	8.88		"	10.0		88.8	70-130				
Dibromochloromethane	9.92		"	10.0		99.2	70-130				
Dichlorodifluoromethane	11.1		"	10.0		111	70-130				
Ethyl acetate	8.42		"	10.0		84.2	70-130				
Ethyl Benzene	8.89		"	10.0		88.9	70-130				
Hexachlorobutadiene	7.02		"	10.0		70.2	70-130				
Isopropanol	9.96		"	10.0		99.6	70-130				
Methyl Methacrylate	8.57		"	10.0		85.7	70-130				
Methyl tert-butyl ether (MTBE)	9.33		"	10.0		93.3	70-130				
Methylene chloride	8.10		"	10.0		81.0	70-130				
n-Heptane	9.03		"	10.0		90.3	70-130				
n-Hexane	8.87		"	10.0		88.7	70-130				
o-Xylene	9.46		"	10.0		94.6	70-130				
p- & m- Xylenes	19.1		"	20.0		95.5	70-130				
p-Ethyltoluene	9.92		"	10.0		99.2	70-130				
Propylene	9.45		"	10.0		94.5	70-130				
Styrene	10.2		"	10.0		102	70-130				
Tetrachloroethylene	8.99		"	10.0		89.9	70-130				
Tetrahydrofuran	8.36		"	10.0		83.6	70-130				
Toluene	8.26		"	10.0		82.6	70-130				
trans-1,2-Dichloroethylene	9.12		"	10.0		91.2	70-130				
trans-1,3-Dichloropropylene	9.03		"	10.0		90.3	70-130				
Trichloroethylene	9.19		"	10.0		91.9	70-130				
Trichlorofluoromethane (Freon 11)	10.3		"	10.0		103	70-130				
Vinyl acetate	8.08		"	10.0		80.8	70-130				
Vinyl bromide	10.8		"	10.0		108	70-130				
Vinyl Chloride	13.6		"	10.0		136	70-130	High Bias			

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ20740 - EPA TO15 PREP											
Duplicate (BJ20740-DUP1)	*Source sample: 22J0588-11 (OA-1)								Prepared: 10/15/2022 Analyzed: 10/16/2022		
1,1,1,2-Tetrachloroethane	ND	0.64	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	0.51	"		0.51					25	
1,1,2,2-Tetrachloroethane	ND	0.64	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.71	"		ND					25	
1,1,2-Trichloroethane	ND	0.51	"		ND					25	
1,1-Dichloroethane	ND	0.38	"		ND					25	
1,1-Dichloroethylene	ND	0.092	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.69	"		ND					25	
1,2,4-Trimethylbenzene	1.2	0.46	"		1.2				3.77	25	
1,2-Dibromoethane	ND	0.71	"		ND					25	
1,2-Dichlorobenzene	ND	0.56	"		ND					25	
1,2-Dichloroethane	ND	0.38	"		ND					25	
1,2-Dichloropropane	ND	0.43	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.65	"		ND					25	
1,3,5-Trimethylbenzene	0.37	0.46	"		0.37				0.00	25	
1,3-Butadiene	0.25	0.62	"		0.25				0.00	25	
1,3-Dichlorobenzene	ND	0.56	"		ND					25	
1,3-Dichloropropane	ND	0.43	"		ND					25	
1,4-Dichlorobenzene	ND	0.56	"		ND					25	
1,4-Dioxane	ND	0.67	"		ND					25	
2-Butanone	16	0.27	"		16				0.502	25	
2-Hexanone	ND	0.76	"		ND					25	
3-Chloropropene	ND	1.5	"		ND					25	
4-Methyl-2-pentanone	ND	0.38	"		ND					25	
Acetone	21	0.44	"		21				0.831	25	
Acrylonitrile	ND	0.20	"		ND					25	
Benzene	1.2	0.30	"		1.2				0.00	25	
Benzyl chloride	ND	0.48	"		ND					25	
Bromodichloromethane	ND	0.62	"		ND					25	
Bromoform	ND	0.96	"		ND					25	
Bromomethane	ND	0.36	"		ND					25	
Carbon disulfide	ND	0.29	"		ND					25	
Carbon tetrachloride	0.35	0.15	"		0.35				0.00	25	
Chlorobenzene	ND	0.43	"		ND					25	
Chloroethane	ND	0.25	"		ND					25	
Chloroform	ND	0.45	"		ND					25	
Chloromethane	1.6	0.19	"		1.5				3.73	25	
cis-1,2-Dichloroethylene	ND	0.092	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.42	"		ND					25	
Cyclohexane	0.29	0.32	"		0.29				0.00	25	
Dibromochloromethane	ND	0.79	"		ND					25	
Dichlorodifluoromethane	2.8	0.46	"		2.7				3.39	25	
Ethyl acetate	10	0.67	"		10				0.669	25	
Ethyl Benzene	0.73	0.40	"		0.69				5.71	25	
Hexachlorobutadiene	ND	0.99	"		ND					25	
Isopropanol	8.7	0.46	"		9.2				5.86	25	
Methyl Methacrylate	ND	0.38	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.33	"		ND					25	
Methylene chloride	0.61	0.65	"		0.61				0.00	25	
n-Heptane	0.69	0.38	"		0.65				5.71	25	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ20740 - EPA TO15 PREP											
Duplicate (BJ20740-DUP1)	*Source sample: 22J0588-11 (OA-1)								Prepared: 10/15/2022 Analyzed: 10/16/2022		
n-Hexane	0.79	0.33	ug/m³		0.79				0.00	25	
o-Xylene	0.93	0.40	"		0.97				4.26	25	
p- & m- Xylenes	2.3	0.81	"		2.3				0.00	25	
p-Ethyltoluene	0.87	0.46	"		0.87				0.00	25	
Propylene	1.4	0.16	"		1.4				1.13	25	
Styrene	0.24	0.40	"		0.24				0.00	25	
Tetrachloroethylene	0.44	0.63	"		0.50				13.3	25	
Tetrahydrofuran	47	0.55	"		47				0.581	25	
Toluene	3.3	0.35	"		3.3				1.07	25	
trans-1,2-Dichloroethylene	ND	0.37	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.42	"		ND					25	
Trichloroethylene	0.15	0.12	"		0.15				0.00	25	
Trichlorofluoromethane (Freon 11)	1.2	0.52	"		1.2				0.00	25	
Vinyl acetate	ND	0.33	"		ND					25	
Vinyl bromide	ND	0.41	"		ND					25	
Vinyl Chloride	ND	0.12	"		ND					25	
Batch BJ20932 - EPA TO15 PREP											
Blank (BJ20932-BLK1)									Prepared & Analyzed: 10/17/2022		
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ20932 - EPA TO15 PREP											
Blank (BJ20932-BLK1)									Prepared & Analyzed: 10/17/2022		
Carbon disulfide	ND	0.31	ug/m³								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	0.66	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ20932 - EPA TO15 PREP											
LCS (BJ20932-BS1)								Prepared & Analyzed: 10/17/2022			
1,1,1,2-Tetrachloroethane	10.0		ppbv	10.0		100	70-130				
1,1,1-Trichloroethane	10.3		"	10.0		103	70-130				
1,1,2,2-Tetrachloroethane	9.36		"	10.0		93.6	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	70-130				
1,1,2-Trichloroethane	10.0		"	10.0		100	70-130				
1,1-Dichloroethane	9.52		"	10.0		95.2	70-130				
1,1-Dichloroethylene	10.5		"	10.0		105	70-130				
1,2,4-Trichlorobenzene	8.93		"	10.0		89.3	70-130				
1,2,4-Trimethylbenzene	10.6		"	10.0		106	70-130				
1,2-Dibromoethane	9.74		"	10.0		97.4	70-130				
1,2-Dichlorobenzene	11.2		"	10.0		112	70-130				
1,2-Dichloroethane	9.45		"	10.0		94.5	70-130				
1,2-Dichloropropane	9.03		"	10.0		90.3	70-130				
1,2-Dichlorotetrafluoroethane	13.3		"	10.0		133	70-130	High Bias			
1,3,5-Trimethylbenzene	10.4		"	10.0		104	70-130				
1,3-Butadiene	12.2		"	10.0		122	70-130				
1,3-Dichlorobenzene	11.4		"	10.0		114	70-130				
1,3-Dichloropropane	8.89		"	10.0		88.9	70-130				
1,4-Dichlorobenzene	11.3		"	10.0		113	70-130				
1,4-Dioxane	8.73		"	10.0		87.3	70-130				
2-Butanone	8.60		"	10.0		86.0	70-130				
2-Hexanone	9.05		"	10.0		90.5	70-130				
3-Chloropropene	9.34		"	10.0		93.4	70-130				
4-Methyl-2-pentanone	8.24		"	10.0		82.4	70-130				
Acetone	8.33		"	10.0		83.3	70-130				
Acrylonitrile	9.43		"	10.0		94.3	70-130				
Benzene	9.96		"	10.0		99.6	70-130				
Benzyl chloride	9.70		"	10.0		97.0	70-130				
Bromodichloromethane	9.80		"	10.0		98.0	70-130				
Bromoform	11.2		"	10.0		112	70-130				
Bromomethane	12.7		"	10.0		127	70-130				
Carbon disulfide	9.79		"	10.0		97.9	70-130				
Carbon tetrachloride	11.1		"	10.0		111	70-130				
Chlorobenzene	9.30		"	10.0		93.0	70-130				
Chloroethane	10.6		"	10.0		106	70-130				
Chloroform	10.0		"	10.0		100	70-130				
Chloromethane	12.0		"	10.0		120	70-130				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	70-130				
cis-1,3-Dichloropropylene	9.35		"	10.0		93.5	70-130				
Cyclohexane	9.29		"	10.0		92.9	70-130				
Dibromochloromethane	10.6		"	10.0		106	70-130				
Dichlorodifluoromethane	12.2		"	10.0		122	70-130				
Ethyl acetate	8.91		"	10.0		89.1	70-130				
Ethyl Benzene	9.30		"	10.0		93.0	70-130				
Hexachlorobutadiene	7.70		"	10.0		77.0	70-130				
Isopropanol	10.4		"	10.0		104	70-130				
Methyl Methacrylate	9.08		"	10.0		90.8	70-130				
Methyl tert-butyl ether (MTBE)	9.84		"	10.0		98.4	70-130				
Methylene chloride	8.56		"	10.0		85.6	70-130				
n-Heptane	9.51		"	10.0		95.1	70-130				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ20932 - EPA TO15 PREP											
LCS (BJ20932-BS1)								Prepared & Analyzed: 10/17/2022			
n-Hexane	9.31		ppbv	10.0		93.1	70-130				
o-Xylene	9.95		"	10.0		99.5	70-130				
p- & m- Xylenes	20.0		"	20.0		100	70-130				
p-Ethyltoluene	10.3		"	10.0		103	70-130				
Propylene	10.2		"	10.0		102	70-130				
Styrene	10.8		"	10.0		108	70-130				
Tetrachloroethylene	9.61		"	10.0		96.1	70-130				
Tetrahydrofuran	8.77		"	10.0		87.7	70-130				
Toluene	8.78		"	10.0		87.8	70-130				
trans-1,2-Dichloroethylene	9.65		"	10.0		96.5	70-130				
trans-1,3-Dichloropropylene	9.59		"	10.0		95.9	70-130				
Trichloroethylene	9.84		"	10.0		98.4	70-130				
Trichlorofluoromethane (Freon 11)	10.9		"	10.0		109	70-130				
Vinyl acetate	8.69		"	10.0		86.9	70-130				
Vinyl bromide	11.3		"	10.0		113	70-130				
Vinyl Chloride	14.1		"	10.0		141	70-130	High Bias			
Duplicate (BJ20932-DUP1)	*Source sample: 22J0415-03 (Duplicate)							Prepared: 10/17/2022 Analyzed: 10/18/2022			
1,1,1,2-Tetrachloroethane	ND	0.65	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	0.52	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.65	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.73	"		ND					25	
1,1,2-Trichloroethane	ND	0.52	"		ND					25	
1,1-Dichloroethane	ND	0.38	"		ND					25	
1,1-Dichloroethylene	ND	0.094	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.70	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.47	"		ND					25	
1,2-Dibromoethane	ND	0.73	"		ND					25	
1,2-Dichlorobenzene	ND	0.57	"		ND					25	
1,2-Dichloroethane	ND	0.38	"		ND					25	
1,2-Dichloropropane	ND	0.44	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.66	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.47	"		ND					25	
1,3-Butadiene	ND	0.63	"		ND					25	
1,3-Dichlorobenzene	ND	0.57	"		ND					25	
1,3-Dichloropropane	ND	0.44	"		ND					25	
1,4-Dichlorobenzene	ND	0.57	"		ND					25	
1,4-Dioxane	ND	0.68	"		ND					25	
2-Butanone	0.89	0.28	"		0.84				6.45	25	
2-Hexanone	0.47	0.78	"		0.43				8.70	25	
3-Chloropropene	ND	1.5	"		ND					25	
4-Methyl-2-pentanone	ND	0.39	"		ND					25	
Acetone	8.0	0.45	"		8.0				0.280	25	
Acrylonitrile	ND	0.21	"		ND					25	
Benzene	0.55	0.30	"		0.55				0.00	25	
Benzyl chloride	ND	0.49	"		ND					25	
Bromodichloromethane	ND	0.64	"		ND					25	
Bromoform	ND	0.98	"		ND					25	
Bromomethane	ND	0.37	"		ND					25	
Carbon disulfide	ND	0.30	"		ND					25	
Carbon tetrachloride	0.42	0.15	"		0.42				0.00	25	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ20932 - EPA TO15 PREP											
Duplicate (BJ20932-DUP1)	*Source sample: 22J0415-03 (Duplicate)								Prepared: 10/17/2022 Analyzed: 10/18/2022		
Chlorobenzene	ND	0.44	ug/m³		ND					25	
Chloroethane	ND	0.25	"		ND					25	
Chloroform	ND	0.46	"		ND					25	
Chloromethane	1.3	0.20	"		1.3				1.55	25	
cis-1,2-Dichloroethylene	ND	0.094	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.43	"		ND					25	
Cyclohexane	ND	0.33	"		ND					25	
Dibromochloromethane	ND	0.81	"		ND					25	
Dichlorodifluoromethane	23	0.47	"		23				0.00	25	
Ethyl acetate	ND	0.68	"		ND					25	
Ethyl Benzene	ND	0.41	"		ND					25	
Hexachlorobutadiene	ND	1.0	"		ND					25	
Isopropanol	8.2	0.47	"		8.1				1.43	25	
Methyl Methacrylate	ND	0.39	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.34	"		ND					25	
Methylene chloride	0.53	0.66	"		0.49				6.45	25	
n-Heptane	0.31	0.39	"		0.35				11.8	25	
n-Hexane	0.70	0.33	"		0.70				0.00	25	
o-Xylene	0.29	0.41	"		0.29				0.00	25	
p- & m- Xylenes	0.74	0.82	"		0.74				0.00	25	
p-Ethyltoluene	ND	0.47	"		ND					25	
Propylene	1.2	0.16	"		1.2				1.36	25	
Styrene	0.69	0.40	"		0.69				0.00	25	
Tetrachloroethylene	5.0	0.64	"		5.0				1.29	25	
Tetrahydrofuran	0.22	0.56	"		0.20				13.3	25	
Toluene	1.7	0.36	"		1.7				0.00	25	
trans-1,2-Dichloroethylene	ND	0.38	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.43	"		ND					25	
Trichloroethylene	0.51	0.13	"		0.51				0.00	25	
Trichlorofluoromethane (Freon 11)	150	0.53	"		150				0.517	25	
Vinyl acetate	ND	0.33	"		ND					25	
Vinyl bromide	ND	0.41	"		ND					25	
Vinyl Chloride	ND	0.12	"		ND					25	

Sample and Data Qualifiers Relating to This Work Order

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).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

York Analytical Laboratories, Inc.
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Field Chain-of-Custody Record - AIR

YORK Project No. 22J0588

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 2

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Hydrotech Env. Eng Co	Company: SAME	Company: SAME	220064	RUSH - Next Day
Address: 231 W 29 St NY NY 10001	Address:	Address:	YOUR Project Name: 245 W 55th St New York NY	RUSH - Two Day
Phone.: 631 241 7161	Phone.:	Phone.:		RUSH - Three Day
Contact: Paul Mathi	Contact:	Contact:		RUSH - Four Day ✓
E-mail: Pmathi@hydrotechenv.com	E-mail:	E-mail:	YOUR PO#: 52942	Standard (5-7 Day)

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)
Donavan Edwards

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 ✓
New Jersey
Connecticut
Pennsylvania
Other

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

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
SSB1	10/11/22 9:09A	SSB (a)	-30	[redacted]-8	43001	5625	EPA TO-15
IA-1	10:01A	IA (b)		-20	18305	7364	
SSB-2	9:01A	a		-6	41846	7083	
IA-2	10:02A	b		-8	36988	12185	
SSB-3	9:03A	a		-6	28842	7088	
IA-3	10:04A	b		-11	43006	7364	
SSB-4	10:03A	a		-10	41838	Y-42	
IA-4	10:02A	b		-8	36998	5378	
SSB-5	9:05A	a		-8	10013	Y-22	
IA-5	9:04A	b		-6	17348	5610	

Comments:

Detection Limits Required
≤ 1 ug/m³ 0.1 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
Donavan Edwards	10/11 11:45	KBrodmyork	10/12/22 11:45AM	KBrodmyork	10/12/22
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				YORK	10/12/22 21:39

York Analytical Laboratories, Inc.
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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. 22J0588

Page 2 of 2

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Hydrotech Env. Eng. ...	Company: SAME	Company: SAME	220064	RUSH - Next Day
Address: 831 W 245 St NY NY 10001	Address:	Address:	YOUR Project Name	RUSH - Two Day
			245 W 55th St New York NY	RUSH - Three Day
Phone: 6312471616	Phone.:	Phone.:		RUSH - Four Day ✓
Contact: Paul Mate	Contact:	Contact:		Standard (5-7 Day)
E-mail:	E-mail:	E-mail:	YOUR PO#: 52942	

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.

Donavan Edwards

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

[signature]

Air Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
AI - Indoor Ambient Air	New York ✓	Summary Report (circled)	CT RCP	Standard Excel EDD (circled)	Compared to the following Regulation(s): (please fill in)
AO - Outdoor Amb. Air	New Jersey	QA Report (circled)	CT RCP DQA/DUE	EQuIS (Standard)	
AE - Vapor Extraction Well/ Process Gas/Effluent	Connecticut	NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQuIS	
AS - Soil Vapor/Sub-Slab	Pennsylvania	NY ASP B Package	NJDKQP	NJDEP SRP HazSite	
	Other	Other:			

Certified Canisters: Batch ✓ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m^3 ✓ 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
OA-1	10/11/22 10:00	AO	-30	-10	37004	7606	EPA TO-15

Comments:

Detection Limits Required	Sampling Media
≤ 1 ug/m^3 0.4 NYSDEC V1 Limits ___	6 Liter Canister ✓
Routine Survey ___ Other ___	Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
[signature]	10/11 11:45AM	K Bednarczyk	10/12/22 11:45AM	K Bednarczyk	10/12/22
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				[signature] / York	10/12/22 21:34