DT CONSULTING SERVICES, INC. & BELLUCCI ENGINEERING, PLLC

Rebound Testing Summary Letter Report

432 Riverdale Avenue
Yonkers, Westchester County, New York 10705

January 16, 2023

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Mr. James Dibbini
James G. Dibbini & Associates, P.C.
570 Yonkers Ave.
Yonkers, New York 10704

RE: REBOUND TESTING SUMMARY LETTER REPORT
432 Riverdale Avenue
Yonkers, Westchester County, New York 10705

Dear Mr. Dibbini:

DT Consulting Services, Inc. (DTCS) and Bellucci Engineering, PLLC (BE) is pleased to present this *Rebound Testing Summary Letter Report* for the above referenced property. This report documents the sub-slab soil gas and indoor air sampling conducted at the Site approximately one month after the shutdown of the active on-Site Sub-Slab Depressurization System (SSDS). If you should have any questions or require additional information, please contact our office.

Respectfully submitted,

Daniel Bellucci, P.E.
Bellucci Engineering, PLLC

Deborah Thompson, Senior Geologist
DT Consulting Services, Inc.

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1.0 INTRODUCTION AND BACKGROUND

A Phase II Environmental Site Assessment (ESA) conducted by "Others" in May 2018 included collection of one sub-slab soil vapor sample, two indoor air samples and one ambient air sample. Pertinent findings identified in the Phase II ESA include the following:

- One (1) sub-slab soil vapor sample, two (2) indoor air samples, and one (1) ambient air sample was collected for laboratory analysis. Sub-slab and indoor air vapor analytical results identified tetrachloroethylene (PCE) and dichloroethylene (DCE) at concentrations exceeding their respective New York State Department of Health (NYSDOH) Decision Matrix guidelines (NYSDOH, Guidance for Evaluating Soil Vapor Intrusion in New York State, October 2006/Updates May 2017) requiring mitigation. In addition, trichloroethylene (TCE) and methylene chloride were also identified in the indoor air samples collected requiring mitigation regardless of sub-slab concentrations.

- Based on the results of the Phase II ESA, it appears that the former dry cleaner at 434 Riverdale Avenue has impacted the Subject Property. PCE and DCE were detected in sub-slab vapor and indoor air samples greatly exceeding their respective NYSDOH Matrix criteria that would require mitigation. In addition, TCE and methylene chloride were also identified in the indoor air samples collected requiring mitigation regardless of sub-slab concentrations. Finally, PCE and TCE were detected at concentrations exceeding their respective exposure thresholds in the indoor air sample collected from IA-1. A vapor mitigation specialist was recommended to be retained to determine the effectiveness and design of a sub-slab depressurization criteria (SSDS) at the Subject Property.

Sub-slab communication testing was conducted in May 2018 by "Others" to determine if SSDS technology would serve as an effective mitigation measure to minimize potential for vapor intrusion of chlorinated volatile organic compounds (cVOCs) to indoor air.

- Sub-slab air communication testing was utilized to design the most efficient system configuration. The test procedure included drilling full scale suction cavities and test holes in the basement slab to measure vacuum influence and design an appropriate SSDS configuration. Sub-slab soils were observed to be generally loose in most locations, with the exception of the location of an aboveground oil tank where dense soils were observed. A high suction fan with 2 extraction points was recommended in the location of the existing oil tank and a low suction high flow fan was recommended with 7-10 extraction points we recommended for the remaining portions of the building basement. The proposed installation included routing 3-6" PVC piping from the existing extraction

points to the roof of the building where the high suction HS5000 and low suction high flow RP-265 or RP-380 fans will be mounted.

An SSDS has been installed at the Subject Site to help mitigate potential vapor intrusion concerns associated with an adjacent dry cleaner. Testing and installation activities conducted between November 2018 and March 2019 included installation of three extraction wells, five vacuum monitoring points, two 55-gallon carbon vessels, a high suction fan, audible alarm, dedicated electrical outlet, a magnehelic vacuum gauge, and influent and effluent conveyance piping. Efforts to control the presence of water beneath the building slab were undertaken by the property owner and included installation of a sump pump in an existing sump pit. Vacuum testing conducted following system startup on March 25, 2019 indicates the system was creating sub-slab vacuum in each of the vacuum monitoring points. Consistent sub-slab vacuum has not been demonstrated based on the presence of shallow groundwater beneath the building slab. Pre and post treatment sampling performed between 2019 and 2021 showed significant VOC reduction with the operation of the SSDS on the 432 Riverdale facility. In an effort to determine if continued operation of the SSDS was necessary, system shutdown followed by rebound testing of sub-slab soil gas and indoor air was conducted by DTCS/BE. Details of the monitoring event are provided below.

2.0 SUBJECT SITE AND AREA DESCRIPTION

The Subject Site is located at 432 Riverdale Avenue in Yonkers, Westchester County, New York. The existing building is occupied by residential apartments in the basement and second, third and fourth floors of the building. The first floor is occupied by commercial tenants including a barber. The Subject Site is located in a commercial and residential area of Yonkers at an elevation of approximately 75 feet above mean seal level (MSL). The local topography slopes to the west and groundwater flow in the area is anticipated to flow to the west towards the Hudson River.

The Subject Site is abutted to the north by Yonkers Wholesale Beer Distribution located at 424 Riverdale Avenue. The Subject Site is abutted to the south by a vacant commercial building (former Riverdale Dry Cleaner) located at 434 Riverdale Avenue. The Subject Site is abutted to the east by a residential apartment building located to the east at 97 Saint Andrew's Place. The intersection of Riverdale Avenue and Belvedere Drive abuts the Subject Site to the west.

2.1 Release Description

There are no reported on-Site sources of cVOCs on-Site. The source of cVOCs detected in sub-slab soil vapor and indoor air on the Subject Property is likely originating from the adjacent

former dry cleaner located to the south and in the presumed cross gradient direction. The former dry cleaner reportedly operated at the adjacent Site from at least 2000 to 2014.

The New York State Department of Environmental Conservation's (NYSDEC) Division of Environmental Remediation (DER), via an Administrative Consent Order and Administrative Settlement (ACO) executed on July 29, 2020 and filed as Index #CO3-20191223-299, has compelled the owner of the former dry cleaner Site (434 Riverdale Avenue) to perform a Site characterization investigation. The Site has been classified with a "P" Listing #360197 (i.e., potential hazardous waste Site). A Site Characterization Work Plan was submitted to NYSDEC by Eastern Environmental Solutions (Eastern) in August 2021 and subsequently approved on August 10, 2021. An addendum to the work plan was prepared by P.W. Grosser Consulting, Inc. (PWGC) in January 2022 to limit the Site characterization to the contaminants of concern, to delineate potential areas of concern within the property boundary, and evaluate whether off-Site, up-gradient properties may be contributing to contaminants observed on-Site. The following pertinent information was obtained from the PWGC Site Characterization Report, dated August 2022 for the 434 Riverdale Ave parcel:

- The static water table elevation at the Site ranges from six inches below the basement slab at MW003 and MW004 (estimated 8.5-9.5 ft. below sidewalk grade), to approximately 5 feet below the basement slab at MW005 (estimated 13-13.5 ft. below sidewalk grade). The differential in the depth to groundwater is believed to be primarily as a result of the varied Site elevation, which ranged approximately four feet across the Site.

- A total of six soil borings were installed at the Site. Borings were installed to depths of up to 9 feet below grade, with a soil sample collected from the 0-2 foot interval in each boring. The soil lithology consisted of historic fill overlaying sandy silt. Evidence of cVOC contamination in the form of PID response, visible staining, or a solvent odor was not identified.

    - There were no exceedances of Unrestricted Use Soil Cleanup Objectives (SCOs) in the soil samples; however, PCE, TCE, and/or Dichloroethylene (DCE) were detected at low concentrations in three of the samples beneath the building.

- A total of six monitoring wells were installed and sampled as part of the investigation. Two of the monitoring wells were positioned off-Site to evaluate the potential for contamination migrating beneath the Site.

    - One monitoring well contained exceedances of Ambient Water Quality Standards (AWQSs) and is located in the vicinity of the former drycleaner unit. PCE was

detected at 32.1 micrograms per liter (µg/L), TCE was detected at 7.38 µg/L, and DCE was detected at 48.6 µg/L. The presence of TCE and DCE indicates that the PCE is naturally degrading. PCE, TCE, and/or DCE were detected in five of the six wells; however, they included estimated concentrations that did not exceed AWQSs. The off-Site wells did not indicate the presence of an off-Site source in these areas.

- Five soil vapor samples were collected throughout the footprint of the Site. VOC concentrations detected in soil vapor and indoor air were not observed at concentrations that included a recommendation of additional monitoring or remediation via the NYSDOH soil vapor matrices.

- The soil vapor sample SV-Supermarket was the sample located in the immediate area of the former Riverdale Dry-Cleaners and the monitoring well that contained exceedances of PCE, TCE, and DCE. The PCE concentration in this soil vapor sample was 3.58 micrograms per cubic meter (µg/m^3). The highest sub-slab soil vapor sample was collected beneath the laundromat which contained a PCE concentration of 58.8 µg/m^3 and is the furthest sample from the active SSDS located at 432 Riverdale Ave.

Based upon the observations and data generated during the Site Characterization, PWGC concluded that the contaminants of concern have been sufficiently investigated and have determined that no further action is necessary for the 434 Riverdale Avenue Site. PWGC concluded that limited contamination was identified and that the operation of the adjacent, active SSDS likely removed the bulk of the sub-slab vapor contamination while contamination in the one monitoring well closest to the source area is naturally attenuating. PWGC recommended converting the active SSDS at the Site (432 Riverdale Avenue) to a passive system following performance of a soil vapor intrusion study, to be approved by NYSDEC, to confirm that a rebound effect has not occurred.

3.0 SSDS POST-SHUTDOWN TESTING

On November 16, 2022, a Site inspection to document operational data for the SSDS was conducted by DTCS/BE. System readings including flow, temperature and vacuum were collected pre and post carbon treatment. Sub-slab vacuum readings were collected from existing vacuum monitoring points. Two effluent samples, including one pre-treatment and one post-treatment, were collected for laboratory analysis of VOCs via EPA Method TO-15.

3.1 SSDS Operational Data

Table 1 includes the system flow, vacuum and temperature readings collected from the Site since 2019. Flow readings ranged from 31.3 (pre-treatment) to 35.3 (post-treatment) cubic feet per minute (cfm). System vacuum ranged from 9 (pre-treatment) to 13 (post-treatment) inches of water (in-H_2O). Temperature readings were 76.7 (pre and post-treatment) degrees Fahrenheit (°F).

Table 2 includes sub-slab vacuum readings collected from the Site since 2019. Sub-slab vacuum was present in two of the four existing vacuum monitoring points. Sub slab vacuum was not present at VP-1 or VP-3. VP-5 is no longer a viable monitoring point and was removed during a prior inspection.

Table 3 includes historic pre and post treatment VOC sample results. Pre-treatment VOC concentrations have decreased significantly since system startup in March 2019. Of note, influent concentrations of tetrachloroethylene (PCE) and trichloroethylene (TCE), the primary contaminants of concern, have decreased from 90,000 (PCE) and 2,500 (TCE) micrograms per cubic meter (µg/m^3), to 92 (PCE) µg/m^3 and 8.7 (TCE) µg/m^3 during the November 2022 sampling event. Post-treatment sample results indicate 100% removal of PCE and TCE from the effluent air.

Table 4 includes estimated mass removal rates for the primary chlorinated VOCs of concern. As of December 7, 2022, the system had removed an estimated 3.44 pounds of chlorinated VOC mass from beneath the building.

Graphical representation of PCE, TCE and cis-1,2-DCE influent and effluent concentrations are included in **Table 5**. The complete laboratory analytical report and chain of custody documentation are included in **Appendix A**.

3.2 System Shutdown

Following collection of the system data, the SSDS was shutdown at 9:00 am on November 16, 2022. The powered fan was shut off, the audible alarm was disconnected and the gate valves for each extraction well were closed.

4.0 REBOUND TESTING

Rebound testing was conducted on December 20 and 21, 2022. The rebound testing included collection of sub-slab soil vapor, indoor air and outdoor ambient air samples from select locations.

4.1 Sample Collection

Sub-slab soil gas samples were collected from existing vacuum monitoring points VP-2 and VP-4. VP-1 and VP-3 were not sampled based on the absence of vacuum in these locations during the November 2022 testing event, likely based on the presence of shallow groundwater beneath the slab in these locations. Co-located indoor air samples were collected in proximity to each sub-slab soil vapor sample location, from a height set within the breathing zone (3-5 feet above the ground). One outdoor air sample, designated AO, was collected from an exterior upwind location on the north side of the building. The sample locations are depicted in **Figure 2**.

The samples were collected for analysis in batch clean SUMMA canisters equipped with a laboratory calibrated flow control device to facilitate the collection of the samples for a 24-hour sample duration. Following sampling, the pressure of the SUMMA canister was recorded and each sub-slab soil gas point was capped. The sub-slab soil gas and indoor air samples were analyzed for VOCs (USEPA Method TO-15) by a NYSDOH-approved laboratory.

4.2 Sub-slab Soil Gas and Indoor Air Sampling Results

Elevated concentrations of cis-1,2-DCE (6,800 µg/m^3), TCE (850 µg/m^3) and PCE (8,100 µg/m^3) were detected in the sub-slab soil gas sample VP-2. These cVOCs were also detected in the co-located indoor air sample at 6.7 µg/m^3 (cis-1,2-DCE), 1.1 µg/m^3 (TCE) and 6.6 µg/m^3 (PCE). Cis-1,2-DCE, TCE and PCE were also detected in VP-4, at significantly lower concentrations.

A comparison of the sub-slab soil gas and indoor air data (April 2022) with the NYSDOH May 2017 Decision Matrices is provided in **Table 6**. The DOH Matrices include select cVOC compounds, including 1,1-DCE, cis-1,2-DCE, carbon tetrachloride, TCE (Matrix A), PCE, 1,1,1-TCA, methylene chloride (Matrix B) and vinyl chloride (Matrix C). A comparison of the data indicates mitigation of the southern portion of the building is warranted based on elevated cis-1,2-DCE, TCE and PCE in sub-slab soil gas and indoor air in the location of VP-2. Mitigation in the location of VP-4 is not warranted based on a comparison of the sub-slab soil gas and co-located indoor air sample with the DOH matrices.

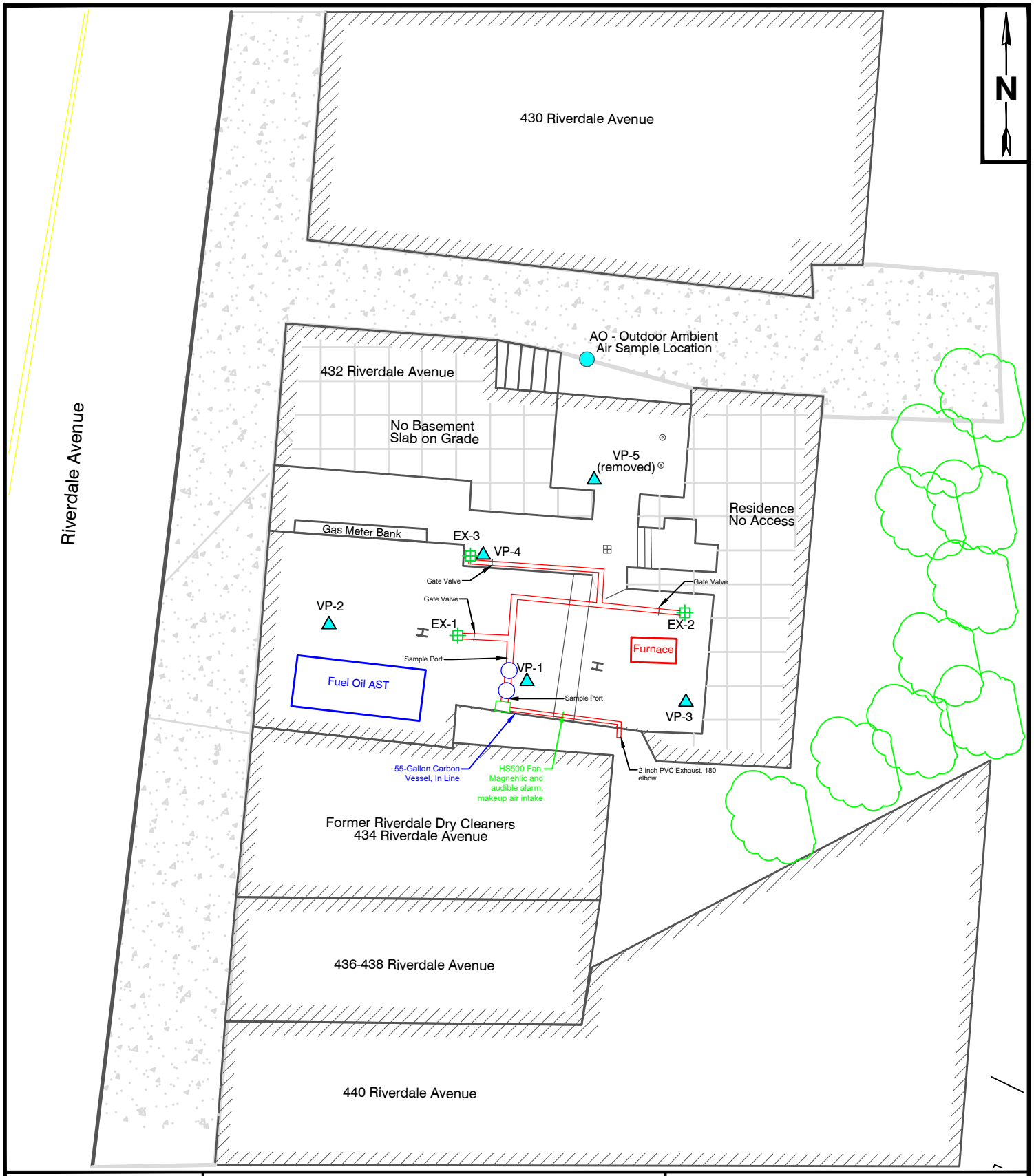
5.0 RECCOMENDATIONS

An SSDS has been installed at the Subject Site to help mitigate vapor intrusion concerns likely associated with the former dry cleaner which operated adjacent to the 432 Riverdale Avenue facility from at least 2000 to 2014. Rebound testing indicates continued operation of the SSDS is warranted to mitigate the vapor intrusion condition identified at the Site. The system should be re-started, and operation/maintenance visits (including indoor air sampling) should continue on quarterly basis. The elevated detections of cVOCs reported during the most recent rebound testing would indicate that there is an off-Site source still present which is impacting indoor air quality on-Site.

Figures

Core Down Drilling LLC

Figure 1 - Site Location Plan
432 Riverdale Avenue
Yonkers, New York



0 6 12

APPROXIMATE SCALE
(FEET)

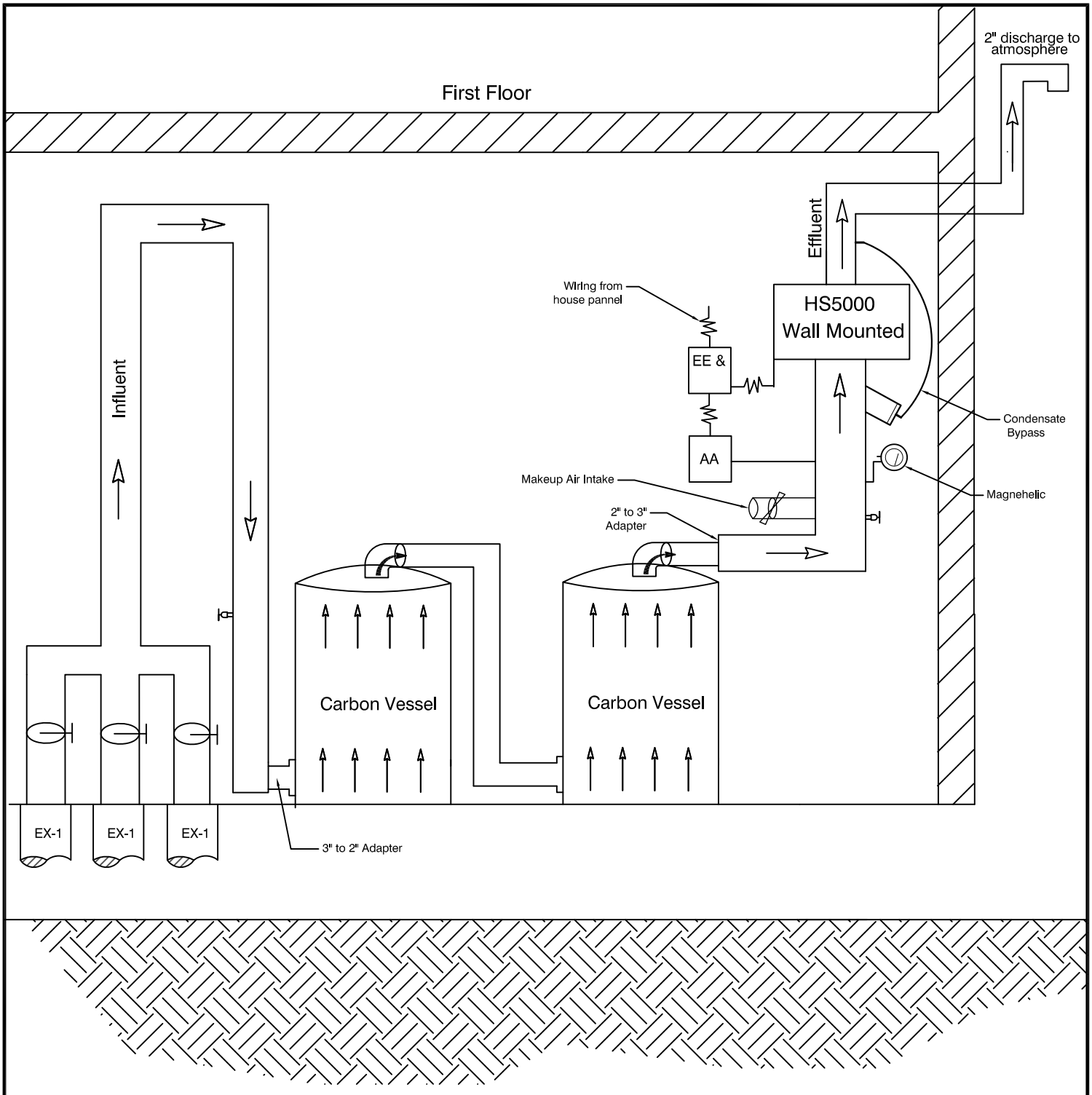
EXPLANATION BLOCK

- Sub Slab Depressurization Well
- Vapor Monitoring Point
- Vegetation
- Floor Drain
- Structural Column
- Structural I Beam
- SSDS PVC Piping

SSD WELL AND VAPOR MONITORING POINT LOCATION MAP

432 Riverdale Avenue
Yonkers, NY

PE/PG		Figure
DAB		2
Project Manager	Drafter	Date
DJT	DAB	1/16/2023



NOT TO SCALE

EXPLANATION BLOCK

- SAMPLE PORT
- HS-5000 CENTRIFUGAL FAN
- GATE VALVE
- BALL VALVE

EE - DEDICATED OUTLET
AA - AUDIBLE ALARM

PROCESS FLOW DIAGRAM

432 Riverdale Avenue
Yonkers, NY

PE/PG	Project Number	Figure
DB		3
Project Manager: DB	Drafter: DB	Date: 04/06/2019

Tables

TABLE 1
System Data
432 Riverdale Avenue
Yonkers, NY

Date	Time	Flow Rate (CFM)		Vacuum (in-H_2O)		Temp (°F)	
		Pre-Treatment	Post Treatment	Pre-Treatment	Post Treatment	Pre-Treatment	Post Treatment
3/25/2019	10:35	40.0	14.2	38.0	38.0	87.3	86.6
7/23/2019	11:40	14.5	32.8	30.5	32.0	86.7	86.6
10/30/2019	11:55	30.5	35.0	14.5	16.0	80.1	82.2
1/13/2020	10:30	15.7	24.1	15.0	16.5	76.3	76.0
5/6/2020	10:30	33.5	37.4	6.5	8.5	73.3	73.0
9/29/2020	8:00	37.7	34.3	5.0	8.0	82.9	83.5
2/3/2021	12:30	24.5	26.5	8.0	9.0	67.6	69.2
4/28/2021	7:30	22.7	22.9	11.5	11.5	71.1	76.0
10/12/2021	8:15	23.8	23.6	8.0	9.0	78.9	81.1
11/16/2022	8:15	31.3	35.3	9.0	13.0	76.7	76.7

Notes:
in-H_2O = Inches of water
CFM = cubic feet per minute

TABLE 2
Vacuum Monitoring Point Data
432 Riverdale Avenue
Yonkers, NY

Date	Time	Vacuum Monitoring Points (in-H_2O)				
		VP-1	**VP-2**	**VP-3**	**VP-4**	**VP-5**
3/25/2019	13:30	-3.000	-1.500	-3.000	-0.300	-0.700
7/23/2019	11:40	0.050	-0.391	2.560	-0.007	-0.001
10/30/2019	10:40	-1.521 to 1.500	-1.100 to -1.250	3.000	-0.044 to -0.060	0.006 to 0.011
1/13/2020	10:30	3.000	-1.375	3.000	-0.039 to -0.055	0.000
5/6/2020	12:30	3.000	-0.940	3.000	-0.025	0.196
9/29/2020	8:00	3.000	-0.599	0.000 to -2.620	-0.010 to -0.026	N/A
2/3/2021	12:30	-1.142	3.000	3.000	-0.026	N/A
4/28/2021	7:30	3.000	-1.151	3.000	-0.029	N/A
10/12/2021	8:15	3.000	-0.778	3.000	-0.042	N/A
11/16/2022	8:15	3.000	-0.391	3.000	-0.013 to -0.019	N/A

Notes:
in-H_2O = Inches of water
Vacuum monitoring point measurements taken with Infiltec DMI Micro Manometer with a detection limit of 0.001
Negative (-) value indicates sub-slab vacuum
Positive (+) value indicates no sub-slab vacuum
N/A - Monitoing point no longer flush with slab - Point remvoed and sealed 2/3/21

TABLE 3

INFLUENT AND EFFLUENT SAMPLE DATA

432 Riverdale Avenue

Yonkers, NY

Parameter	EPA Target Indoor Air Concentrations Residential	EPA Target Indoor Air Concentrations Industrial/ Commercial	SAMPLING LOCATION												SAMPLING LOCATION							
			Pre-Treatment	Post - Treatment	Pre-Treatment	Post - Treatment	Pre-Treatment	Post - Treatment	Pre-Treatment	Post - Treatment	Pre-Treatment	Post - Treatment	Pre-Treatment	Post - Treatment	Pre-Treatment	Post - Treatment	Pre-Treatment	Post - Treatment	Pre-Treatment	Post - Treatment	Pre-Treatment	Post - Treatment
Date Sampled			3/25/2019		7/23/2019		10/30/2019		1/13/2020		5/6/2020		9/29/2020		2/3/2021		4/28/2021		10/12/2021		11/16/2022	
VOCs (TO-15) - ug/m^3																						
1,2,4-Trimethylbenzene	7.3	31	ND	ND	2.6	**8**	3.6	4.3	2.1	**15**	**8.6**	4.3	2.4	1.3	ND	5.6	ND	**9.6**	ND	**10**	ND	ND
1,3,5-Trimethylbenzene	~	~	ND	ND	0.97	2.3	ND	ND	ND	4.1	2.3	1.1	ND	ND	ND	1.5	ND	2.5	ND	2.7	ND	ND
1,2-Dichlorobenzene	210	880	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	~	~	ND	ND	ND	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.26	1.1	ND	ND	ND	**16**	**7.1**	**6.5**	**1.9**	**1.8**	ND	ND	ND	ND	ND	ND	ND	**3.5**	**3.0**	**4.8**	ND	ND
4-Methyl-2-pentanone	3100	13000	ND	ND	7.6	1.1	ND	ND	*ND*	*ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	32000	140000	***27000****	*1300**	*61*	*12*	*2.8*	*2.4*	*6.8*	*12*	*17.0*	*5.0*	*25.0*	*2.5*	*26*	*5.1*	*2.9*	*9.9*	*10.0*	*10.0*	*5.5*	*4.5*
Benzene	0.36	1.6	**6.5**	**6.1**	**0.52**	ND	ND	ND	ND	ND	**0.6**	ND	**0.84**	ND	ND	ND	ND	**0.68**	ND	**0.66**	ND	ND
Carbon disulfide	730	3100	ND	ND	ND	0.81	0.59	ND	0.76	ND	ND	ND	2.70	1.0	0.72	ND	0.82	ND	1.00	ND	ND	ND
Carbon Tetrachloride	0.47	2	ND	ND	**0.72**	**0.61**	**0.48**	ND	0.55	*ND*	**0.75**	ND	**0.52**	**0.69**	**0.52**	**0.49**	**0.49**	0.41	0.43	0.55	0.31	0.43
Cyclohexane	6300	26000	ND	ND	ND	0.79	ND	1.4	ND	ND	ND	ND	ND	0.95	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	5200	22000	***54000***	*1600*	*6.2*	*3.2*	*1.4*	*ND*	*2.2*	*1.2*	*1.3*	*0.57*	*2.7*	*0.92*	*1.2*	*0.65*	*0.82*	*1.10*	*2.1*	*0.95*	*2.6*	*0.70*
Ethyl acetate	73	310	ND	ND	44	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethyl Benzene	~	~	ND	ND	3.4	4.4	1.2	1.8	0.91	8.1	4.1	2.1	0.72	ND	ND	2.4	ND	3.9	ND	5.0	ND	ND
Isopropanol	210	880	*73*	*65*	*72*	*31*	*6.9*	*15*	*3.3*	*75*	*62.0*	*15*	*9.2*	*14*	*5.2*	*11*	*14*	*20*	*1.4*	*11*	*1.6*	*14*
Methyl Methacrylate			ND	ND	ND	ND	ND	ND	3.0	ND	14	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	100	1200	ND	ND	16	16	3.6	5.6	15.0	4.4	5.5	3.5	ND	ND	9.6	2.2	ND	2.3	ND	1.2	ND	2.2
n-Heptane	~	~	ND	ND	15	2.2	ND	ND	0.78	0.92	0.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Hexane	730	3100	ND	ND	0.87	0.8	ND	ND	9.1	ND	0.66	ND	ND	ND	0.93	ND	0.71	0.8	ND	ND	ND	ND
Styrene	1000	4400	*ND*	*29*	*2.5*	*1.8*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	ND	ND	ND	ND
Tetrahydrofuran	2100	8800	***69,000***	***3700***	*ND*	*5.5*	*ND*	*70*	*2.1*	*8.7*	*ND*	*3.5*	*ND*	*2.4*	*ND*	*ND*	ND	ND	1.0	ND	ND	ND
Toluene	5200	22000	18	ND	43	4.3	1	ND	2.0	3.2	4.7	1.9	1.2	ND	1.2	1.4	0.82	2.3	1.2	8.9	ND	1.1
o xylenes	100	440	ND	5.9	3.7	5.2	1.3	1.8	0.91	8.3	4.7	2.3	0.9	ND	ND	3.0	ND	5.2	ND	4.7	ND	ND
m,p xylenes	100	440	ND	12	13	14	3	5	2.3	20	12	5.4	1.8	ND	ND	7.2	ND	11.0	ND	11	ND	ND
p-Ethyltoluene	~	~	ND	ND	ND	7.4	2.9	3.2	1.9	17	8.1	4.3	2.0	0.9	2.0	5.9	ND	10.0	ND	10	ND	ND
Chloroform	0.12	0.53	250	ND	ND	**0.8**	**2.7**	**5.2**	**2.0**	**2.0**	ND	**1.2**	**5.7**	**11.0**	**0.8**	**1.9**	**6.0**	**4.0**	**1.6**	**3.8**	ND	**1.7**
Chloromethane	94	390	16	ND	2.4	1.6	ND	ND	4.7	0.69	1.6	0.87	1.7	1.7	1.7	0.97	0.35	0.94	0.77	1.3	0.47	0.63
Dichlorodifluoromethane	100	440	ND	ND	2.6	2.4	2.9	2.8	1.9	1.9	2.4	2.1	2.6	2.1	2.1	2.1	2.4	2.3	2.3	2.3	2.5	ND
trans- 1,2-dichloroethylene	~	~	120	ND	ND	ND	ND	ND	1.1	ND	ND	ND	1.6	1.0	1.3	ND	1.4	ND	1.7	ND	ND	ND
1,1-Dichloroethylene	210	880	27	ND	ND	0.45	ND	ND	0.34	ND	ND	ND	0.20	ND	0.20	ND	0.31	ND	0.27	ND	ND	ND
cis-1,2-Dichloroethylene	~	~	10,000	2.7	ND	3.2	69	94	120	36	2.4	45	86.0	92	160	29	180	48	180	72	59	56
Tetrachloroethylene	11	47	**90,000**	ND	**25**	**78**	**170**	2.9	**360**	4.7	ND	ND	**150**	ND	**280**	1.1	**240**	3.7	**260**	2.4	**92**	ND
Trichloroethylene	0.48	3	**2,500**	**6.5**	0.35	**1.8**	**12**	ND	**22**	0.36	ND	ND	**18**	ND	**22**	ND	**18**	0.44	**21**	ND	**8.7**	ND
Trichlorofluoromethane (Freon 11)	~	~	ND	ND	2.10	1.9	1.7	1.8	1.5	ND	1.9	1.5	1.7	1.9	1.5	1.5	1.5	1.4	1.4	1.4	0.92	0.95
Vinyl Chloride	0.17	3	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

1. EPA OSWER Final Guidance For Assessing and Mitigating the Vapor Intrusion Pathway From Subsurface Sources to Indoor Air, June 2015

2. µg/m^3 - micrograms per cubic meter

3. VOCs - Volatile Organic Compounds by EPA TO-15

4. Italics values are associated with PVC pipe glue and primer*

5. **BOLD** vlaues exceed one or more EPA indoor air standard

TABLE 4-
MASS REMOVAL CALCULATIONS -LABORATORY ANALYTICAL DATA
432 Riverdale Avenue
Yonkers, NY

Sample Location	Sample Starting Period	System Startup Date and Time	Time Elapsed (minutes)	Average Flow Rate (CFM)	Temp. (°F)	Temp. (R)	In-Hg	Atm. (Relative)	Atm. (Corrected)	V=nRT/p	lb mole	Volume of Removed Soil Vapor (CF)	PCE (ppmv)	TCE (ppmv)	cis-1,2-DCE (ppmv)	PCE Mass Removed (lbs)	TCE Mass Removed (lbs)	cis-1,2-DCE Mass Removed (lbs)	Total Mass Removed (lbs)
Influent	03/25/201 13:00:00 PM	03/25/2019 13:00:00 PM	19380	24.0	76.5	536.5	2.792	0.093	0.907	432.1	0.00231	465120	13.300	0.4650	2.5000	2.37E+00	6.58E-02	2.61E-01	2.70E+00
Influent	03/25/2019 13:00:00 PM	07/23/2019 13:00:00 PM	172800	14.5	86.7	546.7	2.241	0.075	0.925	431.5	0.00232	2505600	0.0036	0.000065	0	3.47E-03	4.96E-05	0.00E+00	3.52E-03
Influent	07/23/2019 13:00:00 PM	10/30/2019 13:00:00 PM	142560	30.5	80.1	540.1	1.065	0.036	0.964	408.9	0.00245	4348080	0.025	0.0022	0.017	4.41E-02	3.07E-03	1.75E-02	6.47E-02
Influent	10/30/2019 13:00:00 PM	01/13/2020 13:00:00 PM	106560	15.7	76.3	536.3	1.102	0.037	0.963	406.6	0.00246	1672992	0.053	0.004	0.03	3.62E-02	2.16E-03	1.20E-02	5.03E-02
Influent	01/13/2020 13:00:00 PM	05/06/2020 13:00:00 PM	163980	33.495	73.3	533.3	0.477	0.016	0.984	395.7	0.00253	5492510	0.000	0.000	0.0006	0.00E+00	0.00E+00	8.07E-04	8.07E-04
Influent	05/06/2020 13:00:00 PM	09/29/2020 13:00:00 PM	210360	37.695	82.9	542.9	0.367	0.012	0.988	401.3	0.00249	7929520	0.022	0.003	0.0217	7.24E-02	8.83E-03	4.16E-02	1.23E-01
Influent	09/29/2020 13:00:00 PM	02/03/2021 13:00:00 PM	182880	24.528	67.6	527.6	0.587	0.020	0.980	393.0	0.00254	4485681	0.041	0.004	0.004	7.76E-02	6.00E-03	4.43E-03	8.80E-02
Influent	02/03/2021 13:00:00 PM	04/28/2021 13:00:00 PM	120960	22.701	71.1	531.1	0.845	0.028	0.972	399.1	0.00251	2745913	0.035	0.002	0.045	3.99E-02	1.81E-03	3.00E-02	7.18E-02
Influent	04/28/2021 13:00:00 PM	10/12/2021 13:00:00 PM	240480	23.835	78.9	538.9	0.588	0.020	0.980	401.4	0.00249	5731841	0.038	0.004	0.045	9.00E-02	7.50E-03	6.23E-02	1.60E-01
Influent	10/12/2021 13:00:00 PM	12/7/2022 13:00:00 PM	607680	31.332	76.7	536.7	0.661	0.022	0.978	400.8	0.00250	19039830	0.013	0.002	0.0148	1.02E-01	9.99E-03	6.82E-02	1.81E-01
			1,967,640									54,417,086				**2.84E+00**	**1.05E-01**	**4.98E-01**	**3.44E+00**
Total																			
												Mass Removal Rate (lbs/day)							**2.52E-03**

Where: V = volume of the gas; P = pressure of the gas; n = 1 lb-mole; R = Ideal Gas Constant (0.7302); T = Absolute

Notes: *Temperature (°F+460)*

V=nRT/p

Mass Removed = [(1 / Volume of gas) x (time elapsed) x (Flow) x (Concentration CVOC) x (molecular weight CVOC)] / $1x10^6$

Molecular weights (g/mole): PCE 165.83, TCE 131.39, cis-1,2-DCE 96.94

CFM = cubic foot per minute

ppmv = parts per million by volume

lbs = pounds

TABLE 5

GRAPHICAL REPRESENTAION OF PCE, TCE AND CIS-1,2-DCE INFLUENT AND EFFLUENT CONCENTRATIONS

432 Riverdale Avenue

Yonkers, NY

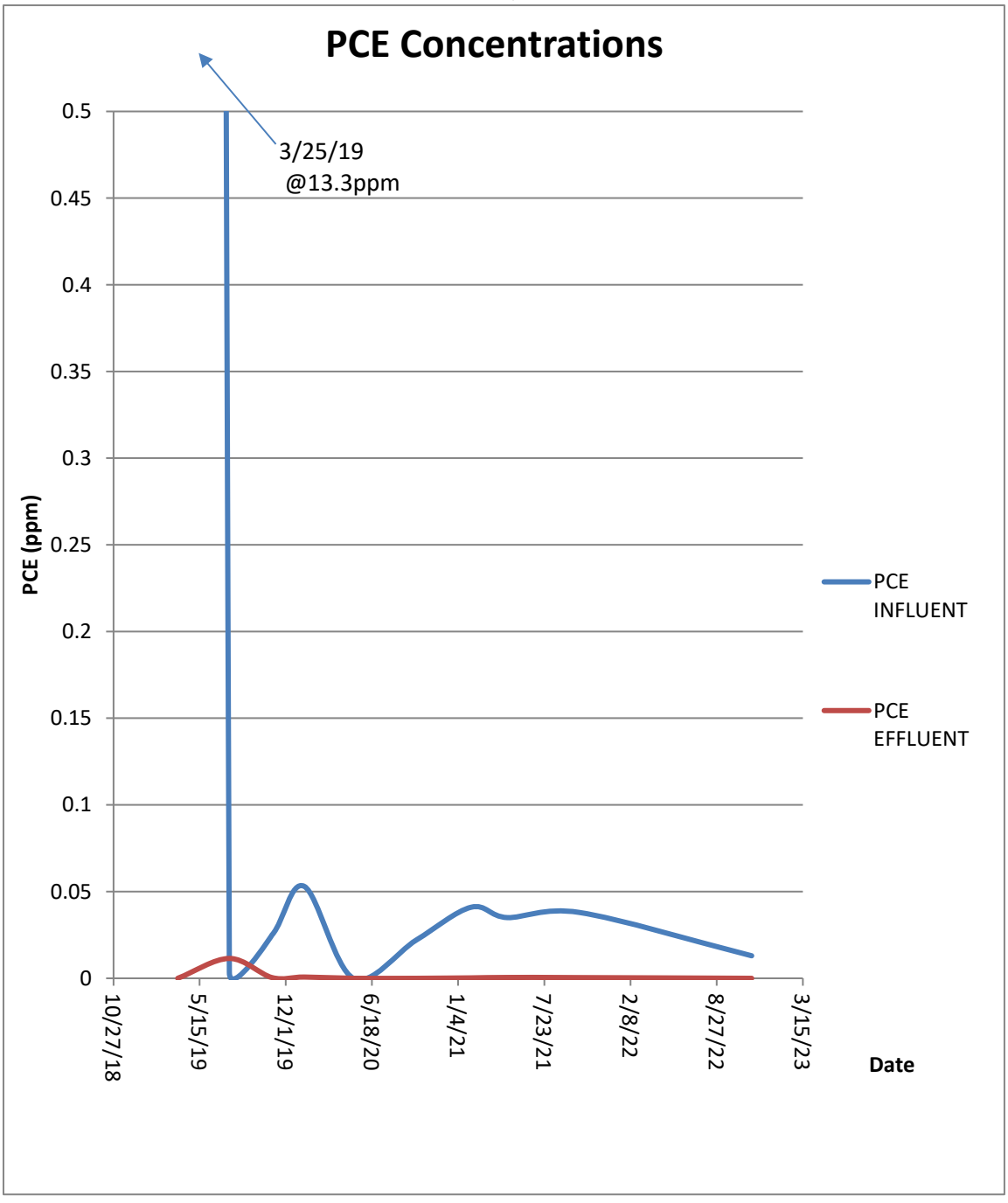


TABLE 5

GRAPHICAL REPRESENTAION OF PCE, TCE AND CIS-1,2-DCE INFLUENT AND EFFLUENT CONCENTRATIONS

432 Riverdale Avenue

Yonkers, NY

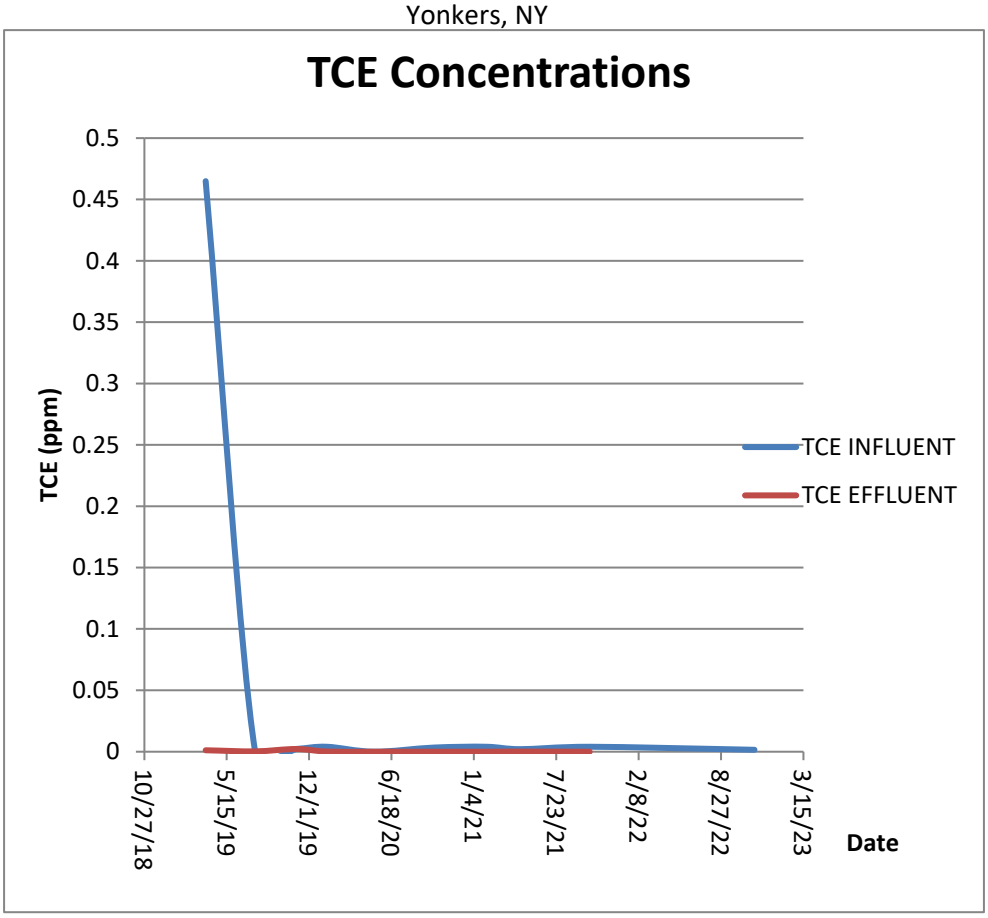


TABLE 5

GRAPHICAL REPRESENTAION OF PCE, TCE AND CIS-1,2-DCE INFLUENT AND EFFLUENT

432 Riverdale Avenue

Yonkers, NY

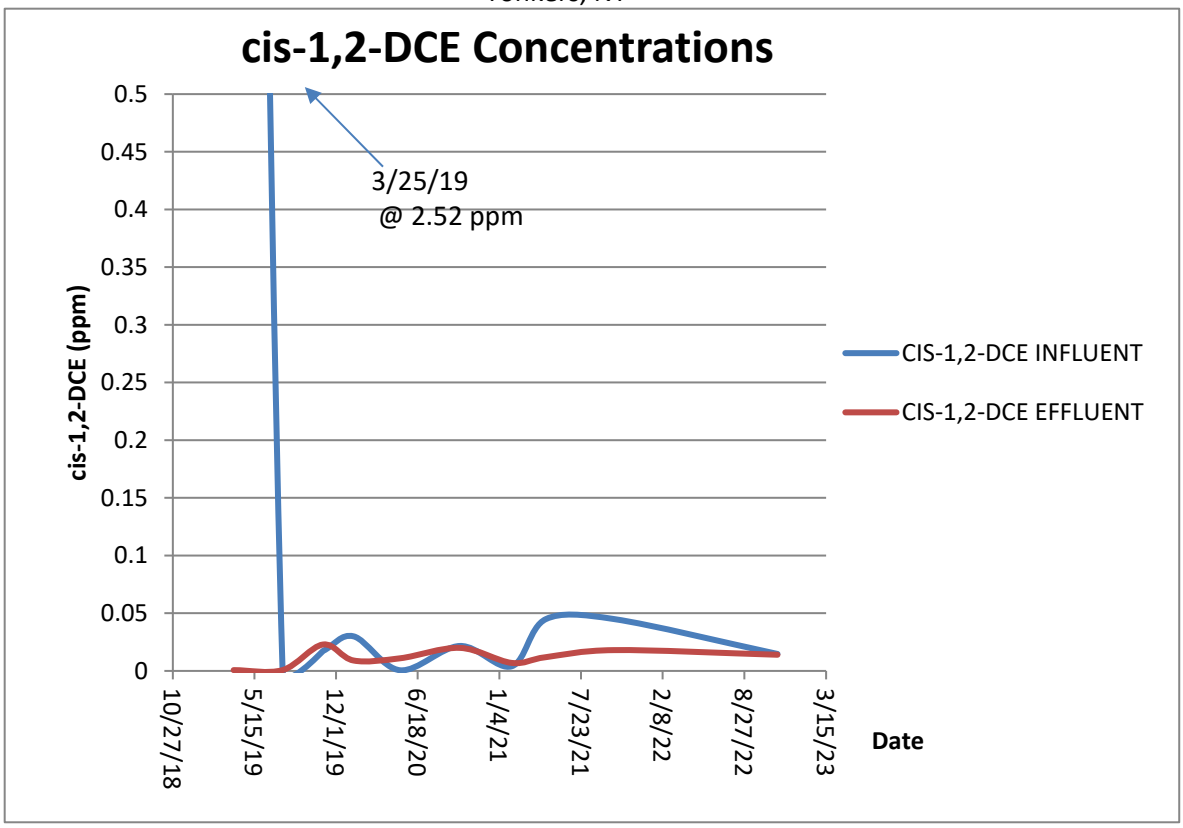


TABLE 6 - SUB-SLAB SOIL GAS INDOOR AIR COMPARISON - NYSDOH MATRIX A

432 Riverdale Avenue

Yonkers, NY

Compound	Soil Vapor and Indoor Air Concentrations (µg/m^3)					NYSDOH Decision Matrix A: Trichloroethylene (TCE), cis-1,2-Dichloroethene, 1,1-Dichloroethene and Carbon Tetrachloride				
	VP-2	VP-2 AI	VP-4	VP-4 AI	AO			Indoor Air Concentration		
								<0.2 µg/m^3	0.2 to <1 µg/m^3	1 µg/m^3 and above
Trichloroethylene	850	1.1	1.8	ND	ND	Sub-Slab Vapor Concentration	<6 µg/m^3	1. No Further Action	2. No Further Action	3. Identify Source(s) and Resample or Mitigate
cis-1,2-Dichloroethene	6800^E	6.7	30	0.16	ND		6 to 60 µg/m^3	4. No Further Action	5. Monitor	6. Mitigate
1,1-Dichloroethene	13	ND	ND	ND	ND		60 µg/m^3 and above	7. Mitgate	8. Mitigate	9. Mitigate
Carbon Tetrachloride	ND	0.35	0.31	0.40	0.47					

NFA - No Further Action

µg/m^3 - micrograms per cubic meter

NYSDOH - New York State Department of Health - May 2017 - Soil Vapor Matrix A

ND - Compound not detected above laboratory detection limits

TABLE 6 - SUB-SLAB SOIL GAS INDOOR AIR COMPARISON - NYSDOH MATRIX C

432 Riverdale Avenue

Yonkers, NY

Compound	Soil Vapor and Indoor Air Concentrations (µg/m^3)					NYSDOH Decision Matrix C: Vinyl Chloride			
	VP-2	VP-2AI	VP-4	VP-4AI	AO			Indoor Air Concentration	
								<0.2 µg/m^3	0.2 µg/m^3 a and above
Vinyl Chloride	ND	ND	ND	ND	ND	Sub-Slab Vapor Concentration	<6 µg/m^3	1. No Further Action	2. Identify Source(s) and Resample or Mitigate
							6 to 60 µg/m^3	3. Monitor	4. Mitgate
							60 µg/m^3 and above	5. Mitgate	6. Mitgate

NFA - No Further Action

µg/m^3 - micrograms per cubic meter

NYSDOH - New York State Department of Health - May 2017 - Soil Vapor Matrix C

ND - Compound not detected above laboratory detection limits

TABLE 6 - SUB-SLAB SOIL GAS INDOOR AIR COMPARISON - NYSDOH MATRIX B

432 Riverdale Avenue

Yonkers, NY

Compound	Soil Vapor and Indoor Air Concentrations (µg/m^3)					NYSDOH Decision Matrix B: Tetrachloroethene (PCE), 1,1,1-Trichloroethane (1,1,1-TCA) and Methylene Chloride				
	VP-2	VP-2 AI	VP-4	VP-4 AI	AO			Indoor Air		
								<3 µg/m^3	3 to <10 µg/m^3	10 µg/m^3 and above
Tetrachloroethene	8100^E	6.6	3.2	ND	ND	Sub-Slab Vapor Concentration	<100 µg/m^3	1. No Further Action	2. No Further Action	3. Identify Source(s) and Resample or Mitigate
1,1,1-Trichloroethane	ND	ND	ND	ND	ND		100 to 1,000 µg/m^3	4. No Further Action	5. Monitor	6. Mitgate
Methylene Chloride	ND	2.8	ND	1.1	0.81		1,000 µg/m^3 and above	7. Mitgate	8. Mitgate	9. Mitgate

NFA - No Further Action

µg/m^3 - micrograms per cubic meter

NYSDOH - New York State Department of Health - May 2017 - Soil Vapor Matrix B

ND - Compound not detected above laboratory detection limits

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

Appendix A

Laboratory Analytical Reports

Technical Report

prepared for:

DT Consulting Services
1291 Old Post Road
Ulster Park NY, 12487
Attention: Deborah Thompson

Report Date: 11/23/2022
Client Project ID: 432 Riverdale Ave Yonkers, NY
York Project (SDG) No.: 22K1037

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: 11/23/2022
Client Project ID: 432 Riverdale Ave Yonkers, NY
York Project (SDG) No.: 22K1037

DT Consulting Services
1291 Old Post Road
Ulster Park NY, 12487
Attention: Deborah Thompson

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 November 17, 2022 and listed below. The project was identified as your project: **432 Riverdale Ave Yonkers, 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
22K1037-01	PRE TREATMENT	Vapor Extraction	11/16/2022	11/17/2022
22K1037-02	POST TREATMENT	Vapor Extraction	11/16/2022	11/17/2022

General Notes for York Project (SDG) No.: 22K1037

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:** 11/23/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: PRE TREATMENT

York Sample ID: 22K1037-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K1037	432 Riverdale Ave Yonkers, NY	Vapor Extraction	November 16, 2022 8:35 am	11/17/2022

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	1.639	EPA TO-15 Certifications:	11/21/2022 03:06	11/21/2022 05:44	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.89	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.1	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.3	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.89	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.66	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.16	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.2	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.81	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.99	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.66	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.76	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.1	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.81	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	1.1	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.99	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.76	1.639	EPA TO-15 Certifications:	11/21/2022 03:06	11/21/2022 05:44	LLJ

Sample Information

Client Sample ID: PRE TREATMENT

York Sample ID: 22K1037-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K1037	432 Riverdale Ave Yonkers, NY	Vapor Extraction	November 16, 2022 8:35 am	11/17/2022

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
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.99	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	1.2	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
78-93-3	**2-Butanone**	**2.6**		ug/m³	0.48	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	1.3	1.639	EPA TO-15 Certifications:	11/21/2022 03:06	11/21/2022 05:44	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	2.6	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.67	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
67-64-1	**Acetone**	**5.5**		ug/m³	0.78	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
107-13-1	Acrylonitrile	ND		ug/m³	0.36	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
71-43-2	Benzene	ND		ug/m³	0.52	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
100-44-7	Benzyl chloride	ND		ug/m³	0.85	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
75-25-2	Bromoform	ND		ug/m³	1.7	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
74-83-9	Bromomethane	ND		ug/m³	0.64	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
75-15-0	Carbon disulfide	ND		ug/m³	0.51	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
56-23-5	**Carbon tetrachloride**	**0.31**		ug/m³	0.26	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
108-90-7	Chlorobenzene	ND		ug/m³	0.75	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
75-00-3	Chloroethane	ND		ug/m³	0.43	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
67-66-3	Chloroform	ND		ug/m³	0.80	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ
74-87-3	**Chloromethane**	**0.47**		ug/m³	0.34	1.639	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 05:44	LLJ

Sample Information

Client Sample ID: **PRE TREATMENT** **York Sample ID:** **22K1037-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K1037	432 Riverdale Ave Yonkers, NY	Vapor Extraction	November 16, 2022 8:35 am	11/17/2022

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
156-59-2	**cis-1,2-Dichloroethylene**	**59**		ug/m³	0.16	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.74	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	Cyclohexane	ND		ug/m³	0.56	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.5**		ug/m³	0.81	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	1.2	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.71	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.7	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**1.6**	B	ug/m³	0.81	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.67	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.59	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	Methylene chloride	ND		ug/m³	1.1	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	n-Heptane	ND		ug/m³	0.67	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	n-Hexane	ND		ug/m³	0.58	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	o-Xylene	ND		ug/m³	0.71	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.4	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.81	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:			
115-07-1	*** Propylene**	**0.56**		ug/m³	0.28	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.70	1.639	EPA TO-15	11/21/2022 03:06	11/21/2022 05:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: PRE TREATMENT **York Sample ID:** 22K1037-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K1037	432 Riverdale Ave Yonkers, NY	Vapor Extraction	November 16, 2022 8:35 am	11/17/2022

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
127-18-4	**Tetrachloroethylene**	**92**		ug/m³	1.1	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.97	1.639	EPA TO-15 Certifications:	11/21/2022 03:06	11/21/2022 05:44	LLJ
108-88-3	Toluene	ND		ug/m³	0.62	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.65	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.74	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
79-01-6	**Trichloroethylene**	**8.7**		ug/m³	0.22	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
75-69-4	**Trichlorofluoromethane (Freon 11)**	**0.92**		ug/m³	0.92	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	0.58	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	0.72	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.21	1.639	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 05:44	LLJ

Sample Information

Client Sample ID: POST TREATMENT **York Sample ID:** 22K1037-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K1037	432 Riverdale Ave Yonkers, NY	Vapor Extraction	November 16, 2022 8:35 am	11/17/2022

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	1.2	1.692	EPA TO-15 Certifications:	11/21/2022 03:06	11/21/2022 07:30	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.92	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ

Sample Information

Client Sample ID: POST TREATMENT

York Sample ID: 22K1037-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K1037	432 Riverdale Ave Yonkers, NY	Vapor Extraction	November 16, 2022 8:35 am	11/17/2022

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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.3	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.92	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.68	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.17	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.3	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.83	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.0	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.68	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.78	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.83	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	1.1	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.0	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.78	1.692	EPA TO-15 Certifications:	11/21/2022 03:06	11/21/2022 07:30	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.0	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	1.2	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
78-93-3	**2-Butanone**	**0.70**		ug/m³	0.50	1.692	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/21/2022 03:06	11/21/2022 07:30	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	1.4	1.692	EPA TO-15 Certifications:	11/21/2022 03:06	11/21/2022 07:30	LLJ

Sample Information

Client Sample ID: POST TREATMENT

York Sample ID: 22K1037-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K1037	432 Riverdale Ave Yonkers, NY	Vapor Extraction	November 16, 2022 8:35 am	11/17/2022

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	2.6	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.69	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
67-64-1	**Acetone**	**4.5**		ug/m³	0.80	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
107-13-1	Acrylonitrile	ND		ug/m³	0.37	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
71-43-2	Benzene	ND		ug/m³	0.54	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
100-44-7	Benzyl chloride	ND		ug/m³	0.88	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
75-25-2	Bromoform	ND		ug/m³	1.7	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
74-83-9	Bromomethane	ND		ug/m³	0.66	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
75-15-0	Carbon disulfide	ND		ug/m³	0.53	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
56-23-5	**Carbon tetrachloride**	**0.43**		ug/m³	0.27	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
108-90-7	Chlorobenzene	ND		ug/m³	0.78	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
75-00-3	Chloroethane	ND		ug/m³	0.45	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
67-66-3	**Chloroform**	**1.7**		ug/m³	0.83	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
74-87-3	**Chloromethane**	**0.63**		ug/m³	0.35	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
156-59-2	**cis-1,2-Dichloroethylene**	**56**		ug/m³	0.17	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.77	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
110-82-7	Cyclohexane	ND		ug/m³	0.58	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ

Sample Information

Client Sample ID: **POST TREATMENT** **York Sample ID:** **22K1037-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K1037	432 Riverdale Ave Yonkers, NY	Vapor Extraction	November 16, 2022 8:35 am	11/17/2022

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
75-71-8	**Dichlorodifluoromethane**	**2.6**		ug/m³	0.84	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
141-78-6	* Ethyl acetate	ND		ug/m³	1.2	1.692	EPA TO-15 Certifications:	11/21/2022 03:06	11/21/2022 07:30	LLJ
100-41-4	Ethyl Benzene	ND		ug/m³	0.73	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.8	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
67-63-0	**Isopropanol**	**14**	B	ug/m³	0.83	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m³	0.69	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.61	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
75-09-2	**Methylene chloride**	**2.2**		ug/m³	1.2	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
142-82-5	n-Heptane	ND		ug/m³	0.69	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
110-54-3	n-Hexane	ND		ug/m³	0.60	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
95-47-6	o-Xylene	ND		ug/m³	0.73	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.5	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.83	1.692	EPA TO-15 Certifications:	11/21/2022 03:06	11/21/2022 07:30	LLJ
115-07-1	*** Propylene**	**1.7**		ug/m³	0.29	1.692	EPA TO-15 Certifications:	11/21/2022 03:06	11/21/2022 07:30	LLJ
100-42-5	Styrene	ND		ug/m³	0.72	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m³	1.1	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.0	1.692	EPA TO-15 Certifications:	11/21/2022 03:06	11/21/2022 07:30	LLJ
108-88-3	**Toluene**	**1.1**		ug/m³	0.64	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.67	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ

Sample Information

Client Sample ID: POST TREATMENT

York Sample ID: 22K1037-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K1037	432 Riverdale Ave Yonkers, NY	Vapor Extraction	November 16, 2022 8:35 am	11/17/2022

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
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.77	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
79-01-6	Trichloroethylene	ND		ug/m³	0.23	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
75-69-4	**Trichlorofluoromethane (Freon 11)**	**0.95**		ug/m³	0.95	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	0.60	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	0.74	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.22	1.692	EPA TO-15 Certifications:	11/21/2022 03:06 NELAC-NY12058,NJDEP-Queens	11/21/2022 07:30	LLJ

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.
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615 | 132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record - AIR

YORK Project No. 22K1037

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.

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: DT Consulting Services Inc	Company:	Company:		RUSH - Next Day
Address: 1291 old Post Rd. Ulster Park, NY	Address: SAME	Address: SAME	YOUR Project Name: 432 Riverdale Ave Yonkers, NY	RUSH - Two Day
Phone: (845) 658-3484	Phone.:	Phone.:		RUSH - Three Day
Contact: Deborah Thompson	Contact:	Contact:		RUSH - Four Day
E-mail:	E-mail: dbellucciengineeringpllc@gmail.com	E-mail:	YOUR PO#:	Standard (5-7 Day) X

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

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

Air Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
AI - Indoor Ambient Air	New York X	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
AO - Outdoor Amb. Air	New Jersey	QA Report	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 X Individual ___

Please enter the following REQUIRED Field Data — **Reporting Units:** ug/m³ X ppbv ___ ppmv X

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
PRE TREATMENT	11/16/22 @8:35	AE	-30	-6	4300E	/	TO-15
POST TREATMENT	11/16/22 @8:35	AE	-30	-6	37285	/	1/

Comments:

Detection Limits Required: ≤ 1 ug/m³ ___ NYSDEC V1 Limits ___ Routine Survey ___ Other ___

Sampling Media: 6 Liter Canister X; Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Bellucci Engin.	11-17-22 13:45	Chris York	11-17-22 13:45	Chris York	11-17-22 1540
K Blochun / York	11/17/22 1540	K Blochun / York	11/17/22 2137		
				Samples Received in LAB by: / York	11/17/22 23:06

Technical Report

prepared for:

DT Consulting Services
1291 Old Post Road
Ulster Park NY, 12487
Attention: Deborah Thompson

Report Date: 12/27/2022
Client Project ID: 432 Riverdale Ave Yonkers, NY
York Project (SDG) No.: 22L1161

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: 12/27/2022
Client Project ID: 432 Riverdale Ave Yonkers, NY
York Project (SDG) No.: 22L1161

DT Consulting Services
1291 Old Post Road
Ulster Park NY, 12487
Attention: Deborah Thompson

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 December 21, 2022 and listed below. The project was identified as your project: **432 Riverdale Ave Yonkers, 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
22L1161-01	UP-2	Soil Vapor	12/20/2022	12/21/2022
22L1161-02	UP-2 AI	Indoor Ambient Air	12/20/2022	12/21/2022
22L1161-03	UP-4	Soil Vapor	12/20/2022	12/21/2022
22L1161-04	UP-4 AI	Indoor Ambient Air	12/20/2022	12/21/2022
22L1161-05	AO	Outdoor Ambient Ai	12/20/2022	12/21/2022

General Notes for York Project (SDG) No.: 22L1161

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:** 12/27/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: UP-2 **York Sample ID:** 22L1161-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Soil Vapor	December 20, 2022 7:35 am	12/21/2022

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	IS-LO	ug/m³	26	37.66	EPA TO-15 Certifications:	12/23/2022 12:00	12/25/2022 03:22	VH
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	13	18.83	EPA TO-15 Certifications:	12/23/2022 12:00	12/24/2022 04:58	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	21	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	10	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	ug/m³	26	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	13	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	TO-LCS-L	ug/m³	29	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	14	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	21	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	10	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
75-34-3	1,1-Dichloroethane	ND	TO-LCS-L	ug/m³	15	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
75-34-3	1,1-Dichloroethane	ND	TO-LCS-L	ug/m³	7.6	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
75-35-4	**1,1-Dichloroethylene**	**12**		ug/m³	3.7	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
75-35-4	**1,1-Dichloroethylene**	**13**		ug/m³	1.9	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	ug/m³	28	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	14	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	ug/m³	19	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	9.3	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH

Sample Information

Client Sample ID: UP-2 **York Sample ID:** 22L1161-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Soil Vapor	December 20, 2022 7:35 am	12/21/2022

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
106-93-4	1,2-Dibromoethane	ND		ug/m³	29	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
106-93-4	1,2-Dibromoethane	ND		ug/m³	14	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	ug/m³	23	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	11	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	15	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	7.6	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
78-87-5	1,2-Dichloropropane	ND		ug/m³	17	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
78-87-5	1,2-Dichloropropane	ND		ug/m³	8.7	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	26	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	13	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	ug/m³	19	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	9.3	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
106-99-0	1,3-Butadiene	ND		ug/m³	25	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
106-99-0	1,3-Butadiene	ND		ug/m³	12	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	ug/m³	23	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	11	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	17	37.66	EPA TO-15 Certifications:	12/23/2022 12:00	12/25/2022 03:22	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	8.7	18.83	EPA TO-15 Certifications:	12/23/2022 12:00	12/24/2022 04:58	VH
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	ug/m³	23	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH

Sample Information

Client Sample ID: UP-2 **York Sample ID:** 22L1161-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Soil Vapor	December 20, 2022 7:35 am	12/21/2022

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
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	11	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	27	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	14	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	2-Butanone	ND		ug/m³	11	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**11**		ug/m³	5.6	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	31	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:			
591-78-6	* 2-Hexanone	ND		ug/m³	15	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	59	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-05-1	3-Chloropropene	ND		ug/m³	29	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	15	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	7.7	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	Acetone	ND		ug/m³	18	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**12**		ug/m³	8.9	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	8.2	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	4.1	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	Benzene	ND		ug/m³	12	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	Benzene	ND		ug/m³	6.0	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND	IS-LO	ug/m³	19	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	9.7	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **UP-2** **York Sample ID:** **22L1161-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Soil Vapor	December 20, 2022 7:35 am	12/21/2022

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
75-27-4	Bromodichloromethane	ND		ug/m³	25	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
75-27-4	Bromodichloromethane	ND		ug/m³	13	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
75-25-2	Bromoform	ND	IS-LO	ug/m³	39	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
75-25-2	Bromoform	ND		ug/m³	19	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
74-83-9	Bromomethane	ND		ug/m³	15	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
74-83-9	Bromomethane	ND		ug/m³	7.3	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
75-15-0	Carbon disulfide	ND	TO-LCS-L	ug/m³	12	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
75-15-0	Carbon disulfide	ND		ug/m³	5.9	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
56-23-5	Carbon tetrachloride	ND		ug/m³	5.9	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
56-23-5	Carbon tetrachloride	ND		ug/m³	3.0	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
108-90-7	Chlorobenzene	ND	IS-LO	ug/m³	17	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
108-90-7	Chlorobenzene	ND		ug/m³	8.7	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
75-00-3	Chloroethane	ND		ug/m³	9.9	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
75-00-3	Chloroethane	ND		ug/m³	5.0	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
67-66-3	Chloroform	ND		ug/m³	18	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
67-66-3	**Chloroform**	**10**		ug/m³	9.2	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
74-87-3	Chloromethane	ND		ug/m³	7.8	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH
74-87-3	Chloromethane	ND		ug/m³	3.9	18.83	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 04:58	VH
156-59-2	**cis-1,2-Dichloroethylene**	**6200**		ug/m³	3.7	37.66	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 03:22	VH

Sample Information

Client Sample ID: **UP-2** **York Sample ID:** **22L1161-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Soil Vapor	December 20, 2022 7:35 am	12/21/2022

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
156-59-2	**cis-1,2-Dichloroethylene**	**6800**	E	ug/m³	1.9	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	17	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	8.5	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	Cyclohexane	ND		ug/m³	13	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	Cyclohexane	ND		ug/m³	6.5	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	32	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	16	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	Dichlorodifluoromethane	ND	TO-CCV, TO-LCS-L	ug/m³	19	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	Dichlorodifluoromethane	ND	TO-CCV	ug/m³	9.3	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	27	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:			
141-78-6	* Ethyl acetate	ND		ug/m³	14	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:			
100-41-4	Ethyl Benzene	ND	IS-LO	ug/m³	16	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-41-4	Ethyl Benzene	ND		ug/m³	8.2	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND	CAL-E, IS-LO, TO-CCV, TO-LCS-L	ug/m³	40	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND	CAL-E, TO-LCS-L	ug/m³	20	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**34**		ug/m³	19	37.66	EPA TO-15	12/23/2022 12:00	12/25/2022 03:22	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**37**		ug/m³	9.3	18.83	EPA TO-15	12/23/2022 12:00	12/24/2022 04:58	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: UP-2 **York Sample ID:** 22L1161-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Soil Vapor	December 20, 2022 7:35 am	12/21/2022

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	15	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
80-62-6	Methyl Methacrylate	ND		ug/m³	7.7	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	14	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.8	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
75-09-2	Methylene chloride	ND		ug/m³	26	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
75-09-2	Methylene chloride	ND		ug/m³	13	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
142-82-5	n-Heptane	ND		ug/m³	15	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
142-82-5	n-Heptane	ND		ug/m³	7.7	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
110-54-3	n-Hexane	ND		ug/m³	13	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
110-54-3	n-Hexane	ND		ug/m³	6.6	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
95-47-6	o-Xylene	ND	IS-LO	ug/m³	16	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
95-47-6	o-Xylene	ND		ug/m³	8.2	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
179601-23-1	p- & m- Xylenes	ND	IS-LO	ug/m³	33	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
179601-23-1	p- & m- Xylenes	ND		ug/m³	16	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
622-96-8	* p-Ethyltoluene	ND	IS-LO	ug/m³	19	37.66	EPA TO-15 Certifications:	12/23/2022 12:00	12/25/2022 03:22	VH
622-96-8	* p-Ethyltoluene	ND		ug/m³	9.3	18.83	EPA TO-15 Certifications:	12/23/2022 12:00	12/24/2022 04:58	VH
115-07-1	* Propylene	ND	TO-CCV	ug/m³	6.5	37.66	EPA TO-15 Certifications:	12/23/2022 12:00	12/25/2022 03:22	VH
115-07-1	* Propylene	ND	TO-CCV	ug/m³	3.2	18.83	EPA TO-15 Certifications:	12/23/2022 12:00	12/24/2022 04:58	VH
100-42-5	Styrene	ND	IS-LO	ug/m³	16	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH

Sample Information

Client Sample ID: UP-2 **York Sample ID:** 22L1161-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Soil Vapor	December 20, 2022 7:35 am	12/21/2022

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
100-42-5	Styrene	ND		ug/m³	8.0	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
127-18-4	**Tetrachloroethylene**	**4500**		ug/m³	26	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
127-18-4	**Tetrachloroethylene**	**8100**	E	ug/m³	13	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
109-99-9	*** Tetrahydrofuran**	**66**		ug/m³	22	37.66	EPA TO-15 Certifications:	12/23/2022 12:00	12/25/2022 03:22	VH
109-99-9	*** Tetrahydrofuran**	**79**		ug/m³	11	18.83	EPA TO-15 Certifications:	12/23/2022 12:00	12/24/2022 04:58	VH
108-88-3	Toluene	ND		ug/m³	14	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
108-88-3	Toluene	ND		ug/m³	7.1	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
156-60-5	**trans-1,2-Dichloroethylene**	**43**		ug/m³	15	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
156-60-5	**trans-1,2-Dichloroethylene**	**48**		ug/m³	7.5	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	17	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	8.5	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
79-01-6	**Trichloroethylene**	**690**		ug/m³	5.1	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
79-01-6	**Trichloroethylene**	**850**		ug/m³	2.5	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
75-69-4	Trichlorofluoromethane (Freon 11)	ND	TO-LCS-L	ug/m³	21	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
75-69-4	Trichlorofluoromethane (Freon 11)	ND	TO-CCV	ug/m³	11	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
108-05-4	Vinyl acetate	ND		ug/m³	13	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
108-05-4	Vinyl acetate	ND		ug/m³	6.6	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
593-60-2	Vinyl bromide	ND		ug/m³	16	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH
593-60-2	Vinyl bromide	ND	TO-CCV	ug/m³	8.2	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH
75-01-4	Vinyl Chloride	ND		ug/m³	4.8	37.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/25/2022 03:22	VH

Sample Information

Client Sample ID: UP-2 **York Sample ID:** 22L1161-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Soil Vapor	December 20, 2022 7:35 am	12/21/2022

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
75-01-4	Vinyl Chloride	ND		ug/m³	2.4	18.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/24/2022 04:58	VH

Sample Information

Client Sample ID: UP-2 AI **York Sample ID:** 22L1161-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Indoor Ambient Air	December 20, 2022 7:35 am	12/21/2022

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:** TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.55	0.803	EPA TO-15 Certifications:	12/24/2022 12:00	12/24/2022 23:13	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.44	0.803	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/24/2022 23:13	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.55	0.803	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/24/2022 23:13	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	TO-LCS -L	ug/m³	0.62	0.803	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/24/2022 23:13	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.44	0.803	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/24/2022 23:13	VH
75-34-3	1,1-Dichloroethane	ND	TO-LCS -L	ug/m³	0.33	0.803	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/24/2022 23:13	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.080	0.803	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/24/2022 23:13	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.60	0.803	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/24/2022 23:13	VH
95-63-6	**1,2,4-Trimethylbenzene**	**25**		ug/m³	0.39	0.803	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/24/2022 23:13	VH
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.62	0.803	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/24/2022 23:13	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.48	0.803	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/24/2022 23:13	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.32	0.803	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/24/2022 23:13	VH

Sample Information

Client Sample ID: **UP-2 AI** **York Sample ID:** **22L1161-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Indoor Ambient Air	December 20, 2022 7:35 am	12/21/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.37	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.56	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
108-67-8	**1,3,5-Trimethylbenzene**	**5.6**		ug/m³	0.39	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
106-99-0	1,3-Butadiene	ND		ug/m³	0.53	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.48	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.37	0.803	EPA TO-15 Certifications:	12/24/2022 12:00	12/24/2022 23:13	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.48	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
123-91-1	1,4-Dioxane	ND		ug/m³	0.58	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
78-93-3	**2-Butanone**	**2.0**		ug/m³	0.24	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
591-78-6	* 2-Hexanone	ND		ug/m³	0.66	0.803	EPA TO-15 Certifications:	12/24/2022 12:00	12/24/2022 23:13	VH
107-05-1	3-Chloropropene	ND		ug/m³	1.3	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.33	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
67-64-1	**Acetone**	**16**		ug/m³	0.38	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
107-13-1	Acrylonitrile	ND		ug/m³	0.17	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
71-43-2	**Benzene**	**0.49**		ug/m³	0.26	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
100-44-7	Benzyl chloride	ND		ug/m³	0.42	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
75-27-4	Bromodichloromethane	ND		ug/m³	0.54	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
75-25-2	Bromoform	ND		ug/m³	0.83	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
74-83-9	Bromomethane	ND		ug/m³	0.31	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH

Sample Information

Client Sample ID: **UP-2 AI** **York Sample ID:** **22L1161-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Indoor Ambient Air	December 20, 2022 7:35 am	12/21/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND	TO-LCS-L	ug/m³	0.25	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
56-23-5	**Carbon tetrachloride**	**0.35**		ug/m³	0.13	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
108-90-7	Chlorobenzene	ND		ug/m³	0.37	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
75-00-3	Chloroethane	ND		ug/m³	0.21	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
67-66-3	Chloroform	ND		ug/m³	0.39	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
74-87-3	**Chloromethane**	**1.3**		ug/m³	0.17	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
156-59-2	**cis-1,2-Dichloroethylene**	**6.7**		ug/m³	0.080	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.36	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
110-82-7	Cyclohexane	ND		ug/m³	0.28	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
124-48-1	Dibromochloromethane	ND		ug/m³	0.68	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
75-71-8	**Dichlorodifluoromethane**	**1.4**	TO-CCV, TO-LCS-L	ug/m³	0.40	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
141-78-6	* Ethyl acetate	ND		ug/m³	0.58	0.803	EPA TO-15 Certifications:	12/24/2022 12:00	12/24/2022 23:13	VH
100-41-4	**Ethyl Benzene**	**7.2**		ug/m³	0.35	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
87-68-3	Hexachlorobutadiene	ND	CAL-E, TO-CCV, TO-LCS-L	ug/m³	0.86	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
67-63-0	**Isopropanol**	**240**	E, TO-IPA	ug/m³	0.39	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
80-62-6	Methyl Methacrylate	ND		ug/m³	0.33	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.29	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH
75-09-2	**Methylene chloride**	**2.8**		ug/m³	0.56	0.803	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/24/2022 23:13	VH

Sample Information

Client Sample ID: **UP-2 AI** **York Sample ID:** **22L1161-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Indoor Ambient Air	December 20, 2022 7:35 am	12/21/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
142-82-5	**n-Heptane**	**0.49**		ug/m³	0.33	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	n-Hexane	ND		ug/m³	0.28	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**10**		ug/m³	0.35	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**23**		ug/m³	0.70	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	*** p-Ethyltoluene**	**26**		ug/m³	0.39	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:			
115-07-1	*** Propylene**	**5.8**	TO-CCV	ug/m³	0.14	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.34	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**6.6**		ug/m³	0.54	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	*** Tetrahydrofuran**	**0.85**		ug/m³	0.47	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:			
108-88-3	**Toluene**	**2.8**		ug/m³	0.30	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.32	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.36	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	**Trichloroethylene**	**1.1**		ug/m³	0.11	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**0.72**	TO-LCS-L	ug/m³	0.45	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.28	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.35	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.10	0.803	EPA TO-15	12/24/2022 12:00	12/24/2022 23:13	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: UP-4 **York Sample ID:** 22L1161-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Soil Vapor	December 20, 2022 7:40 am	12/21/2022

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	1.631	EPA TO-15 Certifications:	12/24/2022 12:00	12/25/2022 04:15	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.89	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.1	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	TO-LCS -L	ug/m³	1.2	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.89	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
75-34-3	1,1-Dichloroethane	ND	TO-LCS -L	ug/m³	0.66	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.16	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.2	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
95-63-6	**1,2,4-Trimethylbenzene**	**2.0**		ug/m³	0.80	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.98	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.66	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.75	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.1	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.80	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
106-99-0	1,3-Butadiene	ND		ug/m³	1.1	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.98	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.75	1.631	EPA TO-15 Certifications:	12/24/2022 12:00	12/25/2022 04:15	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.98	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH

Sample Information

Client Sample ID: **UP-4** **York Sample ID:** **22L1161-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Soil Vapor	December 20, 2022 7:40 am	12/21/2022

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
123-91-1	1,4-Dioxane	ND		ug/m³	1.2	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
78-93-3	**2-Butanone**	**26**		ug/m³	0.48	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
591-78-6	*** 2-Hexanone**	**2.9**		ug/m³	1.3	1.631	EPA TO-15 Certifications:	12/24/2022 12:00	12/25/2022 04:15	VH
107-05-1	3-Chloropropene	ND		ug/m³	2.6	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.67	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
67-64-1	**Acetone**	**11**		ug/m³	0.77	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
107-13-1	Acrylonitrile	ND		ug/m³	0.35	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
71-43-2	Benzene	ND		ug/m³	0.52	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
100-44-7	Benzyl chloride	ND		ug/m³	0.84	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
75-25-2	Bromoform	ND		ug/m³	1.7	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
74-83-9	Bromomethane	ND		ug/m³	0.63	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
75-15-0	Carbon disulfide	ND	TO-LCS-L	ug/m³	0.51	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
56-23-5	**Carbon tetrachloride**	**0.31**		ug/m³	0.26	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
108-90-7	Chlorobenzene	ND		ug/m³	0.75	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
75-00-3	Chloroethane	ND		ug/m³	0.43	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
67-66-3	Chloroform	ND		ug/m³	0.80	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
74-87-3	Chloromethane	ND		ug/m³	0.34	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
156-59-2	**cis-1,2-Dichloroethylene**	**30**		ug/m³	0.16	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH

Sample Information

Client Sample ID: **UP-4** **York Sample ID:** **22L1161-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Soil Vapor	December 20, 2022 7:40 am	12/21/2022

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
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.74	1.631	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 04:15	VH
110-82-7	Cyclohexane	ND		ug/m³	0.56	1.631	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 04:15	VH
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.631	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 04:15	VH
75-71-8	**Dichlorodifluoromethane**	**1.4**	TO-CCV, TO-LCS-L	ug/m³	0.81	1.631	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 04:15	VH
141-78-6	* Ethyl acetate	ND		ug/m³	1.2	1.631	EPA TO-15 Certifications:	12/24/2022 12:00	12/25/2022 04:15	VH
100-41-4	**Ethyl Benzene**	**0.85**		ug/m³	0.71	1.631	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 04:15	VH
87-68-3	Hexachlorobutadiene	ND	CAL-E, TO-CCV, TO-LCS-L	ug/m³	1.7	1.631	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 04:15	VH
67-63-0	**Isopropanol**	**13**		ug/m³	0.80	1.631	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 04:15	VH
80-62-6	Methyl Methacrylate	ND		ug/m³	0.67	1.631	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 04:15	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.59	1.631	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 04:15	VH
75-09-2	Methylene chloride	ND		ug/m³	1.1	1.631	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 04:15	VH
142-82-5	n-Heptane	ND		ug/m³	0.67	1.631	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 04:15	VH
110-54-3	n-Hexane	ND		ug/m³	0.57	1.631	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 04:15	VH
95-47-6	**o-Xylene**	**1.3**		ug/m³	0.71	1.631	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 04:15	VH
179601-23-1	**p- & m- Xylenes**	**3.0**		ug/m³	1.4	1.631	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 04:15	VH
622-96-8	*** p-Ethyltoluene**	**1.5**		ug/m³	0.80	1.631	EPA TO-15 Certifications:	12/24/2022 12:00	12/25/2022 04:15	VH
115-07-1	* Propylene	ND	TO-CCV	ug/m³	0.28	1.631	EPA TO-15 Certifications:	12/24/2022 12:00	12/25/2022 04:15	VH
100-42-5	Styrene	ND		ug/m³	0.69	1.631	EPA TO-15 Certifications:	12/24/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/25/2022 04:15	VH

Sample Information

Client Sample ID: UP-4 **York Sample ID:** 22L1161-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Soil Vapor	December 20, 2022 7:40 am	12/21/2022

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
127-18-4	**Tetrachloroethylene**	**3.2**		ug/m³	1.1	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
109-99-9	*** Tetrahydrofuran**	**190**		ug/m³	0.96	1.631	EPA TO-15 Certifications:	12/24/2022 12:00	12/25/2022 04:15	VH
108-88-3	**Toluene**	**2.1**		ug/m³	0.61	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.65	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.74	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
79-01-6	**Trichloroethylene**	**1.8**		ug/m³	0.22	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
75-69-4	Trichlorofluoromethane (Freon 11)	ND	TO-LCS -L	ug/m³	0.92	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
108-05-4	Vinyl acetate	ND		ug/m³	0.57	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
593-60-2	Vinyl bromide	ND		ug/m³	0.71	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH
75-01-4	Vinyl Chloride	ND		ug/m³	0.21	1.631	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/24/2022 12:00	12/25/2022 04:15	VH

Sample Information

Client Sample ID: UP-4 AI **York Sample ID:** 22L1161-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Indoor Ambient Air	December 20, 2022 7:40 am	12/21/2022

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	0.55	0.802	EPA TO-15 Certifications:	12/23/2022 12:00	12/23/2022 22:08	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.44	0.802	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/23/2022 22:08	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.55	0.802	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/23/2022 22:08	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.61	0.802	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2022 12:00	12/23/2022 22:08	VH

Sample Information

Client Sample ID: **UP-4 AI** **York Sample ID:** **22L1161-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Indoor Ambient Air	December 20, 2022 7:40 am	12/21/2022

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
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.44	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
75-34-3	1,1-Dichloroethane	ND	TO-LCS -L	ug/m³	0.32	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.079	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.60	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.39	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.62	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.48	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.32	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.37	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.56	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.39	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
106-99-0	1,3-Butadiene	ND		ug/m³	0.53	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.48	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.37	0.802	EPA TO-15 Certifications:	12/23/2022 12:00	12/23/2022 22:08	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.48	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
123-91-1	1,4-Dioxane	ND		ug/m³	0.58	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
78-93-3	**2-Butanone**	**0.24**		ug/m³	0.24	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
591-78-6	* 2-Hexanone	ND		ug/m³	0.66	0.802	EPA TO-15 Certifications:	12/23/2022 12:00	12/23/2022 22:08	VH
107-05-1	3-Chloropropene	ND		ug/m³	1.3	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH

Sample Information

Client Sample ID: **UP-4 AI** **York Sample ID:** **22L1161-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Indoor Ambient Air	December 20, 2022 7:40 am	12/21/2022

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	0.33	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
67-64-1	**Acetone**	**3.4**		ug/m³	0.38	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
107-13-1	Acrylonitrile	ND		ug/m³	0.17	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
71-43-2	**Benzene**	**0.31**		ug/m³	0.26	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
100-44-7	Benzyl chloride	ND		ug/m³	0.42	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
75-27-4	Bromodichloromethane	ND		ug/m³	0.54	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
75-25-2	Bromoform	ND		ug/m³	0.83	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
74-83-9	Bromomethane	ND		ug/m³	0.31	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
75-15-0	Carbon disulfide	ND		ug/m³	0.25	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
56-23-5	**Carbon tetrachloride**	**0.40**		ug/m³	0.13	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
108-90-7	Chlorobenzene	ND		ug/m³	0.37	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
75-00-3	Chloroethane	ND		ug/m³	0.21	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
67-66-3	Chloroform	ND		ug/m³	0.39	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
74-87-3	**Chloromethane**	**0.99**		ug/m³	0.17	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
156-59-2	**cis-1,2-Dichloroethylene**	**0.16**		ug/m³	0.079	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.36	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
110-82-7	Cyclohexane	ND		ug/m³	0.28	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
124-48-1	Dibromochloromethane	ND		ug/m³	0.68	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
75-71-8	**Dichlorodifluoromethane**	**1.6**	TO-CCV	ug/m³	0.40	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH

Sample Information

Client Sample ID: **UP-4 AI** **York Sample ID:** **22L1161-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Indoor Ambient Air	December 20, 2022 7:40 am	12/21/2022

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
141-78-6	* Ethyl acetate	ND		ug/m³	0.58	0.802	EPA TO-15 Certifications:	12/23/2022 12:00	12/23/2022 22:08	VH
100-41-4	Ethyl Benzene	ND		ug/m³	0.35	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
87-68-3	Hexachlorobutadiene	ND	CAL-E, TO-LCS -L	ug/m³	0.86	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
67-63-0	**Isopropanol**	**69**		ug/m³	0.39	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
80-62-6	Methyl Methacrylate	ND		ug/m³	0.33	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.29	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
75-09-2	**Methylene chloride**	**1.1**		ug/m³	0.56	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
142-82-5	n-Heptane	ND		ug/m³	0.33	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
110-54-3	n-Hexane	ND		ug/m³	0.28	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
95-47-6	o-Xylene	ND		ug/m³	0.35	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.70	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.39	0.802	EPA TO-15 Certifications:	12/23/2022 12:00	12/23/2022 22:08	VH
115-07-1	* Propylene	ND	TO-CCV	ug/m³	0.14	0.802	EPA TO-15 Certifications:	12/23/2022 12:00	12/23/2022 22:08	VH
100-42-5	Styrene	ND		ug/m³	0.34	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
127-18-4	Tetrachloroethylene	ND		ug/m³	0.54	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.47	0.802	EPA TO-15 Certifications:	12/23/2022 12:00	12/23/2022 22:08	VH
108-88-3	**Toluene**	**0.45**		ug/m³	0.30	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.32	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.36	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH

Sample Information

Client Sample ID: **UP-4 AI** **York Sample ID:** **22L1161-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Indoor Ambient Air	December 20, 2022 7:40 am	12/21/2022

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
79-01-6	Trichloroethylene	ND		ug/m³	0.11	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
75-69-4	**Trichlorofluoromethane (Freon 11)**	**0.81**	TO-CCV	ug/m³	0.45	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
108-05-4	Vinyl acetate	ND		ug/m³	0.28	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
593-60-2	Vinyl bromide	ND	TO-CCV	ug/m³	0.35	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH
75-01-4	Vinyl Chloride	ND		ug/m³	0.10	0.802	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 22:08	VH

Sample Information

Client Sample ID: **AO** **York Sample ID:** **22L1161-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Outdoor Ambient Air	December 20, 2022 7:45 am	12/21/2022

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	0.937	EPA TO-15 Certifications:	12/23/2022 12:00	12/23/2022 23:07	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.51	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.64	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.72	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.51	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
75-34-3	1,1-Dichloroethane	ND	TO-LCS-L	ug/m³	0.38	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.093	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.70	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH

Sample Information

Client Sample ID: AO

York Sample ID: 22L1161-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Outdoor Ambient Air	December 20, 2022 7:45 am	12/21/2022

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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.46	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.72	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.56	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.38	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.43	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.66	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.46	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
106-99-0	1,3-Butadiene	ND		ug/m³	0.62	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.56	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.43	0.937	EPA TO-15 Certifications:	12/23/2022 12:00	12/23/2022 23:07	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.56	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
123-91-1	1,4-Dioxane	ND		ug/m³	0.68	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
78-93-3	**2-Butanone**	**0.28**		ug/m³	0.28	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
591-78-6	* 2-Hexanone	ND		ug/m³	0.77	0.937	EPA TO-15 Certifications:	12/23/2022 12:00	12/23/2022 23:07	VH
107-05-1	3-Chloropropene	ND		ug/m³	1.5	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.38	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
67-64-1	**Acetone**	**2.9**		ug/m³	0.45	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
107-13-1	Acrylonitrile	ND		ug/m³	0.20	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
71-43-2	**Benzene**	**0.36**		ug/m³	0.30	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH

Sample Information

Client Sample ID: AO

York Sample ID: 22L1161-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Outdoor Ambient Air	December 20, 2022 7:45 am	12/21/2022

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
100-44-7	Benzyl chloride	ND		ug/m³	0.49	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
75-27-4	Bromodichloromethane	ND		ug/m³	0.63	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
75-25-2	Bromoform	ND		ug/m³	0.97	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
74-83-9	Bromomethane	ND		ug/m³	0.36	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
75-15-0	Carbon disulfide	ND		ug/m³	0.29	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
56-23-5	**Carbon tetrachloride**	**0.47**		ug/m³	0.15	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
108-90-7	Chlorobenzene	ND		ug/m³	0.43	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
75-00-3	Chloroethane	ND		ug/m³	0.25	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
67-66-3	Chloroform	ND		ug/m³	0.46	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
74-87-3	**Chloromethane**	**1.2**		ug/m³	0.19	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.093	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.43	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
110-82-7	Cyclohexane	ND		ug/m³	0.32	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
124-48-1	Dibromochloromethane	ND		ug/m³	0.80	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
75-71-8	**Dichlorodifluoromethane**	**1.9**	TO-CCV	ug/m³	0.46	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
141-78-6	* Ethyl acetate	ND		ug/m³	0.68	0.937	EPA TO-15 Certifications:	12/23/2022 12:00	12/23/2022 23:07	VH
100-41-4	Ethyl Benzene	ND		ug/m³	0.41	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
87-68-3	Hexachlorobutadiene	ND	CAL-E, TO-LCS-L	ug/m³	1.0	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
67-63-0	**Isopropanol**	**1.5**		ug/m³	0.46	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH

Sample Information

Client Sample ID: AO

York Sample ID: 22L1161-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Outdoor Ambient Air	December 20, 2022 7:45 am	12/21/2022

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	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.34	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
75-09-2	**Methylene chloride**	**0.81**		ug/m³	0.65	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
142-82-5	n-Heptane	ND		ug/m³	0.38	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
110-54-3	n-Hexane	ND		ug/m³	0.33	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
95-47-6	o-Xylene	ND		ug/m³	0.41	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.81	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.46	0.937	EPA TO-15 Certifications:	12/23/2022 12:00	12/23/2022 23:07	VH
115-07-1	* Propylene	ND	TO-CCV	ug/m³	0.16	0.937	EPA TO-15 Certifications:	12/23/2022 12:00	12/23/2022 23:07	VH
100-42-5	Styrene	ND		ug/m³	0.40	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
127-18-4	Tetrachloroethylene	ND		ug/m³	0.64	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.55	0.937	EPA TO-15 Certifications:	12/23/2022 12:00	12/23/2022 23:07	VH
108-88-3	**Toluene**	**0.46**		ug/m³	0.35	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.37	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.43	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
79-01-6	Trichloroethylene	ND		ug/m³	0.13	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.0**	TO-CCV	ug/m³	0.53	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
108-05-4	Vinyl acetate	ND		ug/m³	0.33	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH
593-60-2	Vinyl bromide	ND	TO-CCV	ug/m³	0.41	0.937	EPA TO-15 Certifications:	12/23/2022 12:00 NELAC-NY12058,NJDEP-Queens	12/23/2022 23:07	VH

Sample Information

Client Sample ID: AO

York Sample ID: 22L1161-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22L1161	432 Riverdale Ave Yonkers, NY	Outdoor Ambient Air	December 20, 2022 7:45 am	12/21/2022

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
75-01-4	Vinyl Chloride	ND		ug/m³	0.12	0.937	EPA TO-15	12/23/2022 12:00	12/23/2022 23:07	VH
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample and Data Qualifiers Relating to This Work Order

TO-VAC	The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.
TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
TO-IPA	The value for isopropanol is estimated. Dilutions are not conducted for this species as not to preclude actionable analytes by dilution.
TO-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

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. 221161

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: DI Construction Services	Company:	Company:		RUSH - Next Day
Address: 1291 Old Post Rd. Ulster Park, NY	Address: SAME	Address: SAME	YOUR Project Name: 432 Riverdale Ave. Yonkers, NY	RUSH - Two Day
Phone.:	Phone.:	Phone.:		RUSH - Three Day
Contact: Deborah Thompson	Contact:	Contact:		RUSH - Four Day
E-mail:	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

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

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

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

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

Report / EDD Type (circle selections)

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

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ✓ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ X ppbv ___ ppmv X

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
VP-2	12/20/22 7:35	AS	-30	-9	37803	5605	VOCs TO-15
VP-2 AI	7:35	AI	-30	-4	43008	5612	
VP-4	7:40	AS	-30	-5	41648	5607	
VP-4 AI	7:40	AI	-30	-5	20944	5415	
AO	7:45	AO	-30	-6	16456	17178	

Comments:

Detection Limits Required
≤ 1 ug/m³ ___ NYSDEC V1 Limits ✓
Routine Survey ___ Other ___

Sampling Media
6 Liter Canister X
Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Daniel Bellanci, DI	12/21/22 10:00		12/21/22 11:16		12/21/22 12:45
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
KBlackman / York	12/21/22 1245	KBlackman / York	12/22/22 1530		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				M Palall YORK	12/22/22 1340