SOIL VAPOR INTRUSION EVALUATION REPORT

for

2560-2580 BOSTON ROAD BRONX, NEW YORK

Prepared For:

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1.0 Introduction

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C. (Langan) prepared this Soil Vapor Intrusion (SVI) evaluation report on behalf of SPG 2560 Boston Road LLC for the property located at 2560-2580 Boston Road in the Allerton neighborhood of the Bronx, New York (the site). A Brownfield Cleanup Program (BCP) Application and Remedial Investigation Work Plan (RIWP) were submitted to NYSDEC on September 29, 2023, and the 30-day public comment period ended on November 17, 2023.

Langan's July 2023 Limited Subsurface Investigation (LSI) identified concentrations of petroleum-related contaminants in soil vapor and groundwater indicative of an on-site release. Based on visual observations and the analytical results, a spill was reported to the New York State Department of Environmental Conservation (NYSDEC) on August 2, 2023, and Spill No. 2303811 was assigned. Per email correspondence dated August 22, 2023, NYSDEC and the New York State Department of Health (NYSDOH) requested an SVI evaluation. The SVI evaluation was conducted in accordance with the October 23, 2023 SVI Work Plan, prepared by Langan and approved by NYSDEC and NYSDOH on October 27, 2023.

The SVI evaluation included the installation of nine sub-slab vapor points, and collection and laboratory analysis of nine sub-slab vapor samples, nine co-located indoor air samples, and two ambient air samples. Field work was completed between November 7 and November 9, 2023.

This report is organized as follows:

- Section 2.0: Describes the site background
- Section 3.0: Presents the investigation methodology
- Section 4.0: Presents the findings of the investigation
- Section 5.0: Presents conclusions based on the findings

2.0 Background

2.1 Site Location and Description

The about 53,500-square-foot site is located at 2560-2580 Boston Road in the Allerton neighborhood of the Bronx, New York and is identified as Block 4440, Lots 16, 30 and 32 on the Bronx County Tax Map. A site location map is provided as Figure 1. Lot 16 is currently occupied by an active one-story supermarket with a full basement used for food storage and an associated asphalt-paved parking lot. The southern half of Lot 30 is developed with a vacant two-story building with a full cellar that was most recently used as an attorney's office and was also historically used as a daycare. The northern half of Lot 30 contains a private outdoor space. Lot 32 is improved with an active one-story office building with an associated garage used for general storage. An about 6-foot-high, 6-foot-by-10-foot cellar is also present in the northwestern part of the Lot 32 building. The northern corner of Lot 32 is paved and adjoins the sidewalks along Boston Road and Matthews Avenue. Block 4440 is bordered by Boston Road to the north, Matthews Avenue to the East, Mace Avenue to the south, and Barnes Avenue to the west.

3.0 Site Physical Conditions

3.1 Topography

According to the United States Geological Survey (USGS) Bronx Quadrangle 7.5-minute Series Topographic Map, the site elevation is about 130 feet above mean sea level (msl).

3.2 Geology

According to Langan's August 2023 LSI Report, the site is underlain by a heterogeneous mix of soil, predominantly consisting of brown to orangish-brown, fine-grained sand with varying amounts of silt, gravel, and brick, asphalt, and concrete fragments, extending from surface grade to about 6 to 16 feet below grade surface (bgs). Gray and/or brown fine sand with varying amounts of silt and gravel was observed below the heterogeneous soil mixture. Bedrock was potentially encountered in two soil borings in the northern part of the site, where refusal was met between 6 and 7 feet bgs.

3.3 Hydrogeology

Groundwater flow is typically topographically influenced, as shallow groundwater tends to originate in areas of topographic highs and flows toward areas of topographic lows, such as rivers, stream valleys, ponds, and wetlands. A broader, interconnected hydrogeologic network often governs groundwater flow at depth or in the bedrock aquifer. Groundwater depth and flow

direction are also subject to hydrogeologic and anthropogenic variables such as precipitation, evaporation, extent of vegetation cover, coverage by impervious surfaces, and subsurface structures. Other factors influencing groundwater include depth to bedrock, the presence of anthropogenic fill, and variability in local geology and groundwater sources or sinks.

Infiltration of precipitation to the water table is likely minimal due to the current presence of impervious surfaces across the site. The majority of runoff drains into New York City sewers where it is routed to one of the several wastewater treatment plants that serve the City. Groundwater in New York City is not used as a potable water source. Potable water provided to the City of New York is derived from surface impoundments in the Croton, Catskill, and Delaware watersheds.

Groundwater was encountered between about 11.0 and 14.5 feet bgs and is expected to flow to the southwest towards the Bronx River. Groundwater elevations and flow direction will be evaluated during the forthcoming Remedial Investigation (RI).

3.4 Wetlands

Wetlands were evaluated by reviewing the National Wetlands Inventory and NYSDEC regulated wetlands map. There are no wetlands on or near the site.

4.0 Summary of Previous Site Use

A review of historical records revealed that the site has been located in a densely-developed urban area, characterized by commercial, residential, and industrial uses since the 1930s. The site has historically been used for various residential and commercial purposes. Lot 16 was improved with a one-story building in the west-central part of the lot, with the remainder of the lot being used as an auto sales yard (Zodda Motor Sales) since at least 1949 through the early 1960s. The present-day supermarket was built on Lot 16 in 1965, with an associated parking lot covering the remainder of the lot.

Lot 30 was improved with the present-day residential and commercial building as early as 1929. The building is currently vacant and was historically used as a residence, an attorney's office, and a daycare. An aboveground storage tank (AST) is present in the western part of the building's cellar. In addition, a potential underground storage tank (UST) was identified in the southeastern part of the two-story building during the LSI.

Lot 32 was improved with a one-story office building as early as 1934. The building has historically been occupied by a mobile auto radio service (1949), an electrician (1956), an aluminum sales factory (1965), a dog training facility (1971), and a cleaning/contracting/building maintenance

service (1992–present). According to the owner of Lot 32, a convenience store with a fuel pump was present during the 1930s and 1940s, and the one-story building was used as an auto repair shop during the 1970s and 1980s. The present-day buildings are anticipated to remain occupied up until the buildings are demolished. Demolition is anticipated to take place in Spring 2025.

4.1 Previous Environmental Reports

- *Phase I Environmental Site Assessment (ESA) for Block 4440, Lots 16 and 30, dated December 29, 2020, prepared by Roux Environmental Engineering and Geology, D.P.C. (Roux)*

- *LSI Report for 2560-2580 Boston Road, Bronx, New York, dated August 2023, prepared by Langan*

Phase I ESA for Block 4440, Lots 16 and 30, dated December 29, 2020, prepared by Roux

Roux prepared a Phase I ESA in accordance with the American Society for Testing and Materials (ASTM) E-1527-13 standards for Slate Property Group. The following recognized environmental conditions (REC) were identified:

- Historical Site Use: The site was historically used as an auto sales yard in the 1950s and 1960s. A structure in the west-central part of the site that appeared to be a sales office was present in historical aerials and observed to be surrounded by parked cars. Releases from potential gasoline underground storage tanks (USTs), and/or frequent vehicle traffic and parking associated with historical use of the site as an auto sales yard may have adversely impacted the subsurface.

- Historical and Current Surrounding Property Use: Three gasoline filling stations and several auto repair shops were historically present at adjoining and surrounding properties. A tire store and car wash are currently present on the northern adjoining property (800 Allerton Avenue), and a gasoline filling station is present at the northeastern adjoining property (2600 Boston Road). The northern adjoining property is listed in the NYSDEC Spills database under Spill Nos. 9902856 (administratively closed on March 9, 2022) and 1109979 (currently open), which noted free product in groundwater beneath the northern adjoining building. The northern adjoining property was also historically used as a drycleaner identified in the Resource Conservation and Recovery Act (RCRA) generator database for the disposal of chlorinated solvents. A closed spill (Spill No. 0230029; administratively closed on May 22, 2013) is listed at the northeastern adjoining property, which identified petroleum-impacted groundwater migrating off-site.

LSI Report for 2560-2580 Boston Road, Bronx, New York, dated August 2023, prepared by Langan.

An LSI was conducted in July 2023 to investigate potential on-site contamination. Findings from the LSI are summarized below:

Geophysical Survey

NOVA Geophysical Services' (NOVA) geophysical survey noted a gas line and fill port associated with the AST in the western part of the two-story building's cellar on Lot 30. One anomaly consistent with a potential UST was detected in the southeastern part of the two-story building on Lot 30. A separate suspect gas line was traced from Matthews Avenue into the building on Lot 30 where the anomaly was identified, and cut piping was observed in the vicinity of the anomaly.

Subsurface Observations

The site is underlain by a heterogeneous mix of soil, predominantly consisting of brown to orangish-brown, fine-grained sand with varying amounts of silt, gravel, brick, asphalt, and concrete, that extends to between about 6 to 16 feet bgs. Gray and/or brown fine sand with varying amounts of silt and gravel was observed below the heterogeneous soil mixture. Photoionization detector (PID) readings above background (maximum of 1,434 parts per million [ppm]), and petroleum-like staining and odors were observed in the following borings:

Soil Boring	Depth Interval of Impacts (feet bgs)	Maximum PID Reading (ppm)	Maximum PID Reading Depth (feet bgs)	Observations
SB01	10.5-15	1,217	12	Petroleum-like staining and odors
SB02	14.5-16	5.2	14.5	Petroleum-like odors
SB03	5-16	371.5	12	Petroleum-like odors
SB04	11.5-12.5	5.7	12	Petroleum-like odors
SB07	10.5-16	1,434	15.5	Petroleum-like staining and odors

Bedrock was potentially encountered in two soil borings in the northern part of the site where refusal was met between 6 and 7 feet bgs; however, the actual causes of the refusal could not be determined.

Groundwater was observed between 11.0 and 14.5 feet bgs in soil borings and temporary monitoring wells installed across the site. Groundwater was slow to recharge in TMW03 and TMW07, indicating the potential for groundwater to be perched on bedrock. PID readings above background were observed in purged groundwater generated from all four wells (between 109.5 ppm in TMW03 and 328.2 ppm in TMW08). A petroleum-like sheen was also observed in TMW01. The inferred regional groundwater flow direction for the area surrounding the site is to the southwest towards the Bronx River.

Analytical Results

- Soil: Volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, and pesticides were detected in soil at concentrations exceeding the Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use (UU), Protection of Groundwater (PGW), and/or Restricted Use Restricted-Residential (RURR) soil cleanup objectives (SCOs).

- Groundwater: VOCs, SVOCs, and metals (total and dissolved) were detected in groundwater at concentrations above the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and Guidance Values for Drinking Water (class GA) (collectively referred to as "SGVs").

- Soil Vapor: Total VOCs detected in soil vapor ranged from 1,293.65 micrograms per cubic meter (µg/m^3) to 3,799,000 µg/m^3. The VOC with the highest concentrations was 2,2,4-trimethylpentane (113,000 µg/m^3 in the northern part of the site and 3,490,000 µg/m^3 in the southern part of the site), which is associated with petroleum and gasoline products. Petroleum-like staining and/or odors were observed in co-located soil borings.

5.0 Field Investigation

The SVI evaluation was performed from November 7 to November 9, 2023 and included installation of nine sub-slab vapor points beneath the concrete floor slabs in the site's interior ground floor or cellars. Co-located indoor air samples and ambient air samples were collected concurrently with the sub-slab soil vapor samples to assess indoor air and background conditions. Sub-slab vapor, indoor air, and ambient air samples were collected for laboratory analysis. A sample summary is included in Table 1 and sample locations are shown on Figures 2A and 2B. Photographs taken during the field investigation are included in Appendix A.

5.1 Sub-Slab Vapor and Indoor Air Investigation

Prior to sample collection, an NYSDOH Indoor Air Quality Questionnaire and Building Survey was completed in each lot to document the potential presence of equipment or sources of volatile chemicals that could interfere with the laboratory analytical results. The buildings were screened with a photoionization detector (PID) that could detect organic vapors at concentrations of parts per billion (ppb) during the survey. A copy of the NYSDOH Indoor Air Quality Questionnaire, including summaries of the products identified in the sample spaces and the recorded PID VOC concentrations, are included in Appendix B.

Langan used a hammer drill to install the following sub-slab vapor points:

- Six sub-slab vapor points (SVI_SSV04 to SVI_SSV09) two inches below the existing concrete basement slab in the one-story supermarket located on Lot 16
- One sub-slab vapor point (SVI_SSV02) two inches below the existing concrete slab in the one-story garage, and one sub-slab vapor point (SVI_SSV01) within the 6-foot-high, 6-foot-by-10-foot cellar in the northwestern part of the building on Lot 32.
- One sub-slab vapor point (SVI_SSV03) two inches below the existing concrete slab in the cellar of the two-story building on Lot 30.

Sub-slab soil vapor points were installed in accordance with the 2006 NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York. The sub-slab vapor points consisted of Teflon-lined polyethylene tubing. The collection point annulus (i.e., the sampling zone) around the installed tubing was sealed with hydrated bentonite to surface grade. Co-located indoor air samples (SSV_IA01 to SSV_IA09) and two outdoor ambient air samples (SVI_AA01 and SVI_AA02) were collected simultaneously with the sub-slab vapor samples between 3 and 5 feet above grade (breathing height).

As a quality assurance/quality control (QA/QC) measure, an inert tracer gas (helium) was introduced into an above-grade sampling chamber before and after sampling to ensure that the sub-slab vapor point was properly sealed above the target sampling depth, thereby preventing infiltration of ambient air to the subsurface. Direct readings of helium of less than 10 percent prior to sampling were considered sufficient to verify a tight seal. The sub-slab vapor points were purged using a MultiRAE multi-gas meter at rate of 0.2 liters per minute (L/min) to evacuate a minimum of three sample tubing volumes prior to sample collection. The MultiRAE was used to screen for the presence of organic vapors. Evidence of petroleum impacts, such as MultiRAE readings above background and/or petroleum-like odors, were not apparent during purging. The sub-slab vapor, indoor air, and ambient air samples were collected into laboratory-supplied, batch-certified, 2.7-Liter Summa® canisters calibrated for 8 hours of sampling. Summa® canisters were labeled and transported via courier to Alpha Analytical, Inc. (Alpha) under standard chain-of-custody protocol for analysis of VOCs by United States Environmental Protection Agency (USEPA) method TO-15 with Selective Ion Monitoring (SIM). Additionally, the laboratory reported any compounds that were regarded as tentatively identified compounds (TIC). Alpha is a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory located in Mahwah, New Jersey.

Following sample collection, the sub-slab vapor points were removed, and the slab penetrations were patched with concrete. Sub-slab vapor point construction and sub-slab vapor, indoor air, and ambient air sampling logs are included in Appendix C.

6.0 Observations and Results

6.1 Sub-Slab Vapor and Indoor Air Sample Results

Total VOCs detected in sub-slab vapor samples ranged between 148.42 µg/m^3 in SVI_SSV01 to 586.59 µg/m^3 in SVI_SSV09. Total VOCs detected in indoor air samples ranged between 162.74 µg/m^3 in SVI_IA01 to 1,189.60 µg/m^3 in SVI_IA02. Benzene, toluene, ethylbenzene, and xylenes (BTEX) detected in sub-slab vapor samples ranged between 1.02 µg/m^3 in SVI_SSV05 and 167.8 µg/m^3 in SVI_SSV02. BTEX detected in indoor air samples ranged between 3.05 µg/m^3 in SVI_IA05 and 466.4 µg/m^3 in SVI_IA02. 2,2,4-trimethylpentane, which was the compound detected at the highest concentration during the LSI, ranged from between 2.27 µg/m^3 to 38.8 µg/m^3 in sub-slab vapor and 1.85 µg/m^3 to 142 µg/m^3 in indoor air.

Forty-five VOCs were identified as TICs, which are shown on Table 2 and Figure 2B. The TIC with the greatest concentration was n-pentane (120 parts per billion by volume [ppbV]) in indoor air sample SVI_IA05.

Sub-slab vapor sample results were compared to the indoor air sample results using the Decision Matrices provided in the October 2006 NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (February 2024), collectively referred to herein as the "NYSDOH Decision Matrices". Indoor and ambient air sample results were also compared to the NYSDOH Air Guidance Values (AGVs).

NYSDOH Decision Matrices evaluate eight chlorinated VOCs (trichloroethylene [TCE], tetrachloroethene [PCE], 1,1,1-trichloroethane [1,1,1-TCA], 1,1-dichloroethene, cis-1,2-dichloroethene, carbon tetrachloride, methylene chloride, and vinyl chloride) and thirteen petroleum-related VOCs (benzene, ethylbenzene, naphthalene, cyclohexane, isooctane [2,2,4-trimethylpentane], 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, o-xylene, m-xylene, p-xylene, heptane, hexane, and toluene) using six matrices that evaluate the relationship between soil vapor and indoor air concentrations and provide recommendations for actions such as monitoring or mitigation. Due to limitations in separating concentrations of m-xylene and p-xylene by the laboratory, they are presented as m,p-xylene. Sub-slab vapor, indoor air, and ambient air sample analytical results are summarized in Tables 2 and 3, Figures 2A and 2B, and analytical laboratory reports are included in Appendix D.

A comparison of the maximum concentrations of 1,1,1-TCA, PCE, TCE, 1,3,5-trimethylbenzene, and naphthalene to the Decision Matrices recommends 'no further action'.

A comparison of the maximum concentrations of ten petroleum compounds (benzene, ethylbenzene, cyclohexane, 2,2,4-trimethylpentane, 1,2,4-trimethylbenzene, o-xylene, m,p-xylene, heptane, hexane, toluene) and two chlorinated compounds (methylene chloride and carbon tetrachloride) to the Decision Matrices recommends identification of source(s) and resampling or mitigation. 1,1-Dichloroethene, cis-1,2-dichloroethene, and vinyl chloride were not detected in sub-slab vapor or indoor air samples. Methylene chloride was detected in one indoor air sample (SVI_IA03) at a concentration of 283 µg/m^3 above the NYSDOH AGV.

Ten petroleum and two chlorinated compounds were detected in three indoor air samples, SVI_IA01, SVI_IA02, and/or SVI_IA03, at concentrations for which the NYSDOH Decision Matrices recommends identifying source(s) and resampling or mitigation. However, concentrations in the co-located sub-slab vapor samples were detected at levels that would not typically warrant monitoring or mitigation. The presence of the ten petroleum compounds in these three indoor air samples, which were detected up to three orders of magnitude higher than in other indoor air samples, may be attributed to petroleum-related soil and groundwater contamination in the northeastern part of the site beneath Lots 30 and 32 that is entering the buildings from locations other than those of the co-located sub-slab vapor sample locations.

Notable petroleum-related VOCs detected during the July 2023 LSI on Lot 32 included 2,2,4-trimethylpentane (113,000 µg/m^3), cyclohexane (255 µg/m^3), and hexane (1,500 µg/m^3).

Chlorinated compounds (methylene chloride and carbon tetrachloride) were not identified inside the building during the product inventory, and were either non-detect or detected at a concentration that would not warrant monitoring or mitigation in co-located sub-slab vapor samples. Therefore, the presence of chlorinated compounds in indoor air is attributed to an unidentified source (e.g., wood, metal, and/or all-purpose cleaner) within the building.

6.2 Data Validation

Data from the SVI evaluation was validated by a Langan data validator in accordance with USEPA and NYSDEC validation protocols. The data was found to be 100% acceptable. Copies of the data usability summary report (DUSR) and the data validator's credentials are provided in Appendix E.

7.0 Conclusions

The following is a summary of findings or conclusions:

- Total VOCs ranged from 148.42 µg/m^3 to 586.59 µg/m^3 in sub-slab vapor samples, and 162.745 µg/m^3 to 1,189.606 µg/m^3 in indoor air samples. The concentration of 2,2,4-trimethylpentane, which was the compound detected at the highest concentration during the LSI, ranged between 2.27 µg/m^3 to 38.8 µg/m^3 in sub-slab vapor and 1.85 µg/m^3 to 142 µg/m^3 in indoor air.

- Petroleum compounds, benzene, ethylbenzene, cyclohexane, 2,2,4-trimethylpentane, 1,2,4-trimethylbenzene, o-xylene, m,p-xylene, heptane, hexane, and toluene were detected in three indoor air samples (SVI_IA01, SVI_IA02, and/or SVI_IA03) at concentrations for which the NYSDOH Decision Matrices recommends identifying source(s) and resampling or mitigation. However, concentrations in the co-located sub-slab vapor samples were detected at levels that would not typically warrant monitoring or mitigation. The presence of the ten petroleum compounds in these three indoor air samples, which were detected up to three orders of magnitude higher than in other indoor air samples, may be attributed to petroleum-related soil and groundwater contamination in the northeastern part of the site beneath Lots 30 and 32 that is entering the buildings from locations other than the locations of the co-located sub-slab vapor sample locations. Notable petroleum-related VOCs detected during the July 2023 LSI on Lot 32 included 2,2,4-trimethylpentane (113,000 µg/m^3), cyclohexane (255 µg/m^3), and hexane (1,500 µg/m^3).

- Carbon tetrachloride and methylene chloride were detected in indoor air samples SVI_IA02 and SVI_IA03, respectively, at concentrations for which the NYSDOH Decision Matrices recommends identifying source(s) and resampling or mitigation. Neither compound was identified inside the building during the product inventory. Carbon tetrachloride was not detected in co-located sub-slab vapor sample SVI_SSV02, indicating that sub-slab vapor is not the source of carbon tetrachloride in indoor air. Methylene chloride was detected in the co-located sub-slab vapor sample SVI_SSV03; however, the concentration would not typically warrant monitoring or mitigation. The presence of this compound in indoor air is attributed to an unidentified source (e.g., wood, metal, and/or all-purpose cleaner) within the building and is not attributed to a vapor intrusion condition.

8.0 Limitations

This report was prepared expressly for SPG 2560 Boston Road LLC for the property located at 2560-2580 Boston Road in the Allerton neighborhood of the Bronx, New York, and for the objectives defined herein. Langan cannot assume responsibility for the use of this report for any property other than the specific site addressed in this report, or by any third party without specific written authorization from Langan.

The conclusions, opinions, and recommendations provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples. Recommendations provided are contingent upon one another and no recommendation should be relied upon or considered effective independent of the others. Actual conditions encountered may differ substantially from those presented herein and should be brought to our attention whereby we may determine how such changes may affect our conclusions, opinions, and recommendations.

TABLES

Table 1
Soil Vapor Investigation Evaluation Report
Sample Summary

2560-2580 Boston Road
Bronx, New York
NYSDEC BCP Site No.: C203171
Langan Project No.: 170684201

Sample Name	Date and Time	Sample Type	Depth	Analyses
SVI_SSV01_110823	11/8/23 9:49	Sub-Slab Vapor	Two inches below concrete slab	TO-15 VOCs with SIM and tentatively identified compounds (TICS)
SVI_SSV02_110923	11/9/23 9:30			
SVI_SSV03_110923	11/9/23 8:19			
SVI_SSV04_110823	11/8/23 8:15			
SVI_SSV05_110823	11/8/23 8:28			
SVI_SSV06_110823	11/8/23 8:56			
SVI_SSV07_110823	11/8/23 8:49			
SVI_SSV08_110823	11/8/23 9:08			
SVI_SSV09_110823	11/8/23 9:17			
SVI_IA01_110823	11/8/23 9:53	Indoor Air	Adjacent to sub-slab vapor sample location at breathing height (3 to 5 feet above grade)	
SVI_IA02_110923	11/9/23 9:25			
SVI_IA03_110923	11/9/23 8:15			
SVI_IA04_110823	11/8/23 8:16			
SVI_IA05_110823	11/8/23 8:29			
SVI_IA06_110823	11/8/23 8:57			
SVI_IA07_110823	11/8/23 8:41			
SVI_IA08_110823	11/8/23 9:09			
SVI_IA09_110823	11/8/23 9:18			
SVI_AA01_110823	11/8/23 7:53	Ambient Air	Breathing height (3 to 5 feet above grade)	
SVI_AA02_110923	11/9/2023 7:59			

Notes:
1. NYSDEC BCP = New York State Department of Environmental Conservation Brownfield Cleanup Program
2. SIM = Selective Ion Monitoring
3. VOC = Volatile Organic Compound

Table 2
Soil Vapor Investigation Evaluation Report
Sub-Slab Vapor and Indoor Air Sample Analytical Results - NYSDOH AGVs

2560 - 2580 Boston Road
Bronx, New York
NYSDEC BCP Site No.: C2303171
Langan Project No.: 170684201

Analyte	CAS Number	NYSDOH AGVs	Location	SVI_AA01	SVI_AA02	SVI_IA01_SSV01		SVI_IA02_SSV02		SVI_IA03_SSV03		SVI_IA04_SSV04	
			Sample Name	SVI_AA01_110823	SVI_AA02_110923	SVI_IA01_110823	SVI_SSV01_110823	SVI_IA02_110923	SVI_SSV02_110923	SVI_IA03_110923	SVI_SSV03_110923	SVI_IA04_110823	SVI_SSV04_110823
			Sample Date	11/08/2023	11/09/2023	11/08/2023	11/08/2023	11/09/2023	11/09/2023	11/09/2023	11/09/2023	11/08/2023	11/08/2023
			Sample Type	AA	AA	IA	SSV	IA	SSV	IA	SSV	IA	SSV
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds - TICs													
(+)-Limonene	5989-27-5	NS	ppbV	NA	NA	NA	5.4 NJ	NA	3.9 NJ	NA	2.8 NJ	8.9 NJ	2 NJ
1R-.Alpha. Pinene	7785-70-8	NS	ppbV	NA	NA	NA	NA	NA	4.8 NJ	NA	3.7 NJ	NA	NA
2,3,4-Trimethylpentane	565-75-3	NS	ppbV	NA	NA	1.6 NJ	NA	15 NJ	2.5 NJ	NA	NA	NA	NA
2,3-Dimethyl Butane	79-29-8	NS	ppbV	NA	NA	3.4 NJ	5.8 NJ	24 NJ	NA	2.1 NJ	NA	NA	NA
2,3-Dimethyl Pentane	565-59-3	NS	ppbV	NA	NA	NA	NA	7.3 NJ	NA	NA	NA	NA	NA
2,4-Dimethyl Pentane	108-08-7	NS	ppbV	NA	NA	2 NJ	3.2 NJ	12 NJ	NA	NA	NA	NA	NA
2,5-Dimethyl Hexane	592-13-2	NS	ppbV	NA	NA	NA	NA	NA	1.4 NJ	NA	NA	NA	NA
2,6-Dimethyl Nonane	17302-28-2	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl Hexane	591-76-4	NS	ppbV	NA	NA	NA	NA	14 NJ	NA	1.9 NJ	NA	NA	NA
2-Methyl Propane	75-28-5	NS	ppbV	NA	NA	1.6 NJ	NA	NA	NA	NA	NA	34 NJ	13 NJ
2-Methyl-2-Butene	513-35-9	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-Heptane	592-27-8	NS	ppbV	NA	NA	NA	NA	NA	2 NJ	NA	NA	NA	NA
2-Methyl-Pentane	107-83-5	NS	ppbV	NA	NA	5.6 NJ	9.2 NJ	49 NJ	7.4 NJ	6.1 NJ	NA	NA	NA
3-Carene	13466-78-9	NS	ppbV	NA	NA	NA	NA	NA	1.4 NJ	NA	1.1 NJ	NA	NA
3-Methylhexane	589-34-4	NS	ppbV	NA	NA	1.3 NJ	NA	14 NJ	4.1 NJ	2.1 NJ	NA	NA	NA
3-Methylpentane	96-14-0	NS	ppbV	NA	NA	4.8 NJ	7.6 NJ	26 NJ	3.5 NJ	3.1 NJ	NA	NA	NA
Alpha-Pinene	80-56-8	NS	ppbV	NA	NA	NA	11 NJ	NA	NA	NA	NA	2 NJ	1.1 NJ
Beta-Pinene	127-91-3	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butane	106-97-8	NS	ppbV	NA	NA	3.1 NJ	3.9 NJ	33 NJ	NA	4.5 NJ	NA	18 NJ	4.7 NJ
Butyl Cyclohexane	1678-93-9	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodifluoromethane	75-45-6	NS	ppbV	NA	NA	2.2 NJ	NA	NA	NA	NA	NA	NA	NA
Hexamethylcyclotrisiloxane	541-05-9	NS	ppbV	7.3 NJ	1.5 NJ	NA	12 NJ	NA	17 NJ	NA	5.7 NJ	2.8 NJ	2.1 NJ
Hexanal	66-25-1	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.6 NJ
Methanol	67-56-1	NS	ppbV	NA	NA	2.2 NJ	NA	NA	NA	NA	NA	13 NJ	8.7 NJ
Methyl Amyl Alcohol	108-11-2	NS	ppbV	NA	NA	NA	4.4 J	NA	NA	NA	NA	NA	NA
Methylcyclohexane	108-87-2	NS	ppbV	NA	NA	1.6 NJ	NA	12 NJ	NA	5.2 NJ	NA	NA	NA
Methylcyclopentane	96-37-7	NS	ppbV	NA	NA	2.4 NJ	3.3 NJ	23 NJ	NA	4.3 NJ	1.2 NJ	NA	NA
n-Decane	124-18-5	NS	ppbV	NA	NA	NA	2.3 NJ	NA	NA	NA	NA	NA	2.3 NJ
n-Nonane	111-84-2	NS	ppbV	NA	NA	NA	NA	NA	NA	2.7 NJ	1 NJ	NA	NA
N-Octane	111-65-9	NS	ppbV	NA	NA	NA	NA	NA	2 NJ	2.4 NJ	NA	NA	NA
n-Pentane	109-66-0	NS	ppbV	NA	1.5 NJ	3.8 NJ	5.6 NJ	66 NJ	NA	5.4 NJ	NA	100 NJ	28 NJ
n-Undecane	1120-21-4	NS	ppbV	NA	NA	NA	NA	NA	NA	2 NJ	NA	NA	NA
Pentanal (Valeraldehyde)	110-62-3	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5 NJ
Propane	74-98-6	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silanol, Trimethyl-	1066-40-6	NS	ppbV	1.6 NJ	NA	NA	NA	NA	8.2 NJ	NA	NA	NA	NA
Trans-Decahydro-Naphthalene	493-02-7	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unknown Alkane W 1St Highest Concentration	UNKALKANE1	NS	ppbV	NA	NA	1.4 J	2.4 J	9.7 J	NA	2.6 J	1 J	NA	1 J
Unknown Alkane W 2Nd Highest Concentration	UNKALKANE2	NS	ppbV	NA	NA	1.4 J	NA	NA	NA	2.2 J	NA	NA	NA
Unknown Alkane W 3Rd Highest Concentration	UNKALKANE3	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unknown Alkene	Unkalkene1	NS	ppbV	NA	NA	NA	NA	12 J	NA	NA	NA	NA	NA
Unknown Alkene	Unkalkene2	NS	ppbV	NA	NA	NA	NA	7.1 J	NA	NA	NA	NA	NA
Unknown Volatile Organic With 1st Highest Conc.	UNKVOA1	NS	ppbV	2.2 J	NA	NA	19 J	NA	7.4 J	2.4 J	NA	2.9 J	2.3 J
Unknown Volatile Organic With 2nd Highest Conc.	UNKVOA2	NS	ppbV	1.2 J	NA	NA	2.1 J	NA	3.1 J	NA	NA	NA	NA
Unknown Volatile Organic With 3rd Highest Conc.	UNKVOA3	NS	ppbV	NA	NA	NA	NA	NA	1.8 J	NA	NA	NA	NA
Unknown Volatile Organic With 4th Highest Conc.	UNKVOA4	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Soil Vapor Investigation Evaluation Report
Sub-Slab Vapor and Indoor Air Sample Analytical Results - NYSDOH AGVs

2560 - 2580 Boston Road
Bronx, New York
NYSDEC BCP Site No.: C2303171
Langan Project No.: 170684201

Analyte	CAS Number	NYSDOH AGVs	Location	SVI_AA01	SVI_AA02	SVI_IA01_SSV01		SVI_IA02_SSV02		SVI_IA03_SSV03		SVI_IA04_SSV04	
			Sample Name	SVI_AA01_110823	SVI_AA02_110923	SVI_IA01_110823	SVI_SSV01_110823	SVI_IA02_110923	SVI_SSV02_110923	SVI_IA03_110923	SVI_SSV03_110923	SVI_IA04_110823	SVI_SSV04_110823
			Sample Date	11/08/2023	11/09/2023	11/08/2023	11/08/2023	11/09/2023	11/09/2023	11/09/2023	11/09/2023	11/08/2023	11/08/2023
			Sample Type	AA	AA	IA	SSV	IA	SSV	IA	SSV	IA	SSV
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	NS	ug/m3	<0.109 U	<0.109 U	0.426	<1.09 U	0.186	<1.09 U	<0.109 U	<1.09 U	<0.109 U	<1.09 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U
1,1-Dichloroethane	75-34-3	NS	ug/m3	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U
1,1-Dichloroethene	75-35-4	NS	ug/m3	<0.079 U	<0.079 U	<0.079 U	<0.793 U	<0.079 U	<0.793 U	<0.079 U	<0.793 U	<0.079 U	<0.793 U
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	<0.983 U	1.71	2.06	2.33	28.7	6.19	11.5	3.68	<0.983 U	2.6
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U
1,2-Dichloroethane	107-06-2	NS	ug/m3	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U
1,2-Dichloropropane	78-87-5	NS	ug/m3	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<0.983 U	<0.983 U	<0.983 U	<0.983 U	7.42	1.7	3.47	1.13	<0.983 U	1.01
1,3-Butadiene	106-99-0	NS	ug/m3	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U
2,2,4-Trimethylpentane	540-84-1	NS	ug/m3	<0.934 U	1.11	28.6	38.8	142	14.7	1.85	<0.934 U	<0.934 U	<0.934 U
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	2.36
4-Ethyltoluene	622-96-8	NS	ug/m3	<0.983 U	<0.983 U	<0.983 U	<0.983 U	6.34	1.68	2.07	<0.983 U	<0.983 U	<0.983 U
Acetone	67-64-1	NS	ug/m3	3.94	9.55	28	12.8	77.2	13.9	5.49	11.6	27.6	106
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U
Benzene	71-43-2	NS	ug/m3	<0.639 U	1.51	1.31	1.29	34.2	15.1	2.16	0.917	1.1	0.904
Benzyl Chloride	100-44-7	NS	ug/m3	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U
Bromodichloromethane	75-27-4	NS	ug/m3	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U
Bromoethene	593-60-2	NS	ug/m3	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U
Bromoform	75-25-2	NS	ug/m3	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U
Bromomethane	74-83-9	NS	ug/m3	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U
Carbon Disulfide	75-15-0	NS	ug/m3	<0.623 U	<0.623 U	<0.623 U	3.92	1.02	<0.623 U	<0.623 U	<0.623 U	<0.623 U	6.04
Carbon Tetrachloride	56-23-5	NS	ug/m3	0.365	0.579	0.371	<1.26 U	1.34	<1.26 U	0.572	<1.26 U	0.642	<1.26 U
Chlorobenzene	108-90-7	NS	ug/m3	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U
Chloroethane	75-00-3	NS	ug/m3	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U
Chloroform	67-66-3	NS	ug/m3	<0.977 U	<0.977 U	<0.977 U	4.88	4.58	2.11	<0.977 U	1.4	2.73	80.1
Chloromethane	74-87-3	NS	ug/m3	1.09	1.12	0.828	0.5	1.03	<0.413 U	1	<0.413 U	1.27	0.456
Cis-1,2-Dichloroethene	156-59-2	NS	ug/m3	<0.079 U	<0.079 U	<0.079 U	<0.793 U	<0.079 U	<0.793 U	<0.079 U	<0.793 U	<0.079 U	<0.793 U
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U
Cyclohexane	110-82-7	NS	ug/m3	<0.688 U	<0.688 U	2.05	2.66	28.1	6.51	6.64	1.94	<0.688 U	<0.688 U
Dibromochloromethane	124-48-1	NS	ug/m3	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.17	2.43	2.18	2.25	2.5	1.82	2.6	1.98	2.65	13.5
Ethanol	64-17-5	NS	ug/m3	15.4	21.7	24.7	37.3	230	158	22	95.2	441	25.8
Ethyl Acetate	141-78-6	NS	ug/m3	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	10.3	<1.8 U
Ethylbenzene	100-41-4	NS	ug/m3	<0.869 U	<0.869 U	1.38	1.32	45.6	12.6	4.52	1.89	<0.869 U	<0.869 U
Hexachlorobutadiene	87-68-3	NS	ug/m3	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U
Isopropanol	67-63-0	NS	ug/m3	<1.23 U	5.85	4.67	5.65	11.7	7.62	2.38	4.03	23.7	1.75
M,P-Xylene	179601-23-1	NS	ug/m3	<1.74 U	2.59	5.08	4.78	149	48.2	20.8	9.34	1.79	3.21
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	<1.47 U	<1.47 U	12.2	3.54	1.88	<1.47 U	<1.47 U	<1.47 U	2.33	4.13
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/m3	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U
Methylene Chloride	75-09-2	**60**	ug/m3	1.86	3.58	1.82	1.82	1.77	12.5	**283**	77.8	3.01	3.38
Naphthalene	91-20-3	NS	ug/m3	<1.05 U	<1.05 U	<1.05 U	<1.05 U	1.69	<1.05 U	2.28	<1.05 U	<1.05 U	<1.05 U
n-Heptane	142-82-5	NS	ug/m3	<0.82 U	1.16	2.36	2.88	59.8	22.7	8.44	3.24	0.951	<0.82 U
n-Hexane	110-54-3	NS	ug/m3	<0.705 U	1.35	5.29	6.87	110	30.6	9.34	3	<0.705 U	<0.705 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	ug/m3	<0.869 U	1.03	1.74	1.93	45.6	12	8.08	3.26	<0.869 U	1.33
Styrene	100-42-5	NS	ug/m3	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 U	1.32	<0.852 U
Tert-Butyl Alcohol	75-65-0	NS	ug/m3	<1.52 U	<1.52 U	<1.52 U	<1.52 U	<1.52 U	<1.52 U	<1.52 U	<1.52 U	<1.52 U	<1.52 U
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	8.22	1.37	<0.721 U	<0.721 U
Tetrachloroethene (PCE)	127-18-4	30	ug/m3	0.454	4.06	1.51	2.6	4.01	2.2	1.17	<1.36 U	0.848	2.28
Tetrahydrofuran	109-99-9	NS	ug/m3	3.89	<1.47 U	30.4	4.42	2.29	<1.47 U	<1.47 U	<1.47 U	14.2	3.01
Toluene	108-88-3	NS	ug/m3	0.837	3.75	5.77	5.88	192	79.9	20.3	8.03	2.56	2.61
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U
Trichloroethene (TCE)	79-01-6	2	ug/m3	<0.107 U	<0.107 U	<0.107 U	<1.07 U	<0.107 U	<1.07 U	<0.107 U	<1.07 U	<0.107 U	<1.07 U
Trichlorofluoromethane	75-69-4	NS	ug/m3	1.12	1.23	<1.12 U	<1.12 U	1.34	1.27	1.57	1.26	1.28	1.29
Vinyl Chloride	75-01-4	NS	ug/m3	<0.051 U	<0.051 U	<0.051 U	<0.511 U	<0.051 U	<0.511 U	<0.051 U	<0.511 U	<0.051 U	<0.511 U
Total BTEX	BTEX	NS	ug/m3	0.837	8.88	15.28	15.2	466.4	167.8	55.86	23.437	5.45	8.054
Total VOCs	TOTAL VOCS	NS	ug/m3	31.126	64.309	162.745	148.42	1189.606	451.3	427.172	231.067	539.281	261.76

Table 2
Soil Vapor Investigation Evaluation Report
Sub-Slab Vapor and Indoor Air Sample Analytical Results - NYSDOH AGVs

2560 - 2580 Boston Road
Bronx, New York
NYSDEC BCP Site No.: C2303171
Langan Project No.: 170684201

Analyte	CAS Number	NYSDOH AGVs	Location	SVI_IA05_SSV05		SVI_IA06_SSV06		SVI_IA07_SSV07		SVI_IA08_SSV08		SVI_IA09_SSV09	
			Sample Name	SVI_IA05_110823	SVI_SSV05_110823	SVI_IA06_110823	SVI_SSV06_110823	SVI_IA07_110823	SVI_SSV07_110823	SVI_IA08_110823	SVI_SSV08_110823	SVI_IA09_110823	SVI_SSV09_110823
			Sample Date	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023
			Sample Type	IA	SSV	IA	SSV	IA	SSV	IA	SSV	IA	SSV
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds - TICs													
(+)-Limonene	5989-27-5	NS	ppbV	8.1 NJ	NA	15 NJ	3.3 NJ	12 NJ	NA	7.8 NJ	8.4 NJ	20 NJ	10 NJ
1R-.Alpha. Pinene	7785-70-8	NS	ppbV	NA	NA	2.2 NJ	NA	2 NJ	NA	NA	NA	NA	NA
2,3,4-Trimethylpentane	565-75-3	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3-Dimethyl Butane	79-29-8	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3-Dimethyl Pentane	565-59-3	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethyl Pentane	108-08-7	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,5-Dimethyl Hexane	592-13-2	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dimethyl Nonane	17302-28-2	NS	ppbV	NA	NA	NA	5.4 NJ	NA	NA	NA	NA	NA	NA
2-Methyl Hexane	591-76-4	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	2 NJ	NA	NA
2-Methyl Propane	75-28-5	NS	ppbV	40 NJ	3.4 NJ	34 NJ	13 NJ	37 NJ	5.9 NJ	35 NJ	32 NJ	35 NJ	27 NJ
2-Methyl-2-Butene	513-35-9	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	4.4 NJ	NA	NA
2-Methyl-Heptane	592-27-8	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-Pentane	107-83-5	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	5.8 NJ	NA	NA
3-Carene	13466-78-9	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Methylhexane	589-34-4	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	2.8 NJ	NA	NA
3-Methylpentane	96-14-0	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	6.2 NJ	NA	NA
Alpha-Pinene	80-56-8	NS	ppbV	1.8 NJ	NA	NA	NA	NA	NA	2.2 NJ	2.1 NJ	2.9 NJ	2.4 NJ
Beta-Pinene	127-91-3	NS	ppbV	NA	NA	NA	NA	1.7 NJ	NA	NA	NA	2 NJ	1.6 NJ
Butane	106-97-8	NS	ppbV	20 NJ	NA	21 NJ	5.5 NJ	25 NJ	1.8 NJ	21 NJ	35 NJ	25 NJ	18 NJ
Butyl Cyclohexane	1678-93-9	NS	ppbV	NA	NA	NA	3.2 NJ	NA	NA	NA	NA	NA	NA
Chlorodifluoromethane	75-45-6	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexamethylcyclotrisiloxane	541-05-9	NS	ppbV	2 NJ	NA	NA	2.5 NJ	NA	1.3 NJ	NA	NA	NA	1.5 NJ
Hexanal	66-25-1	NS	ppbV	NA	NA	1.1 NJ	NA	NA	NA	NA	NA	1.4 NJ	1.1 NJ
Methanol	67-56-1	NS	ppbV	NA	13 NJ	14 NJ	NA	NA	4.6 NJ	14 NJ	NA	18 NJ	14 NJ
Methyl Amyl Alcohol	108-11-2	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	108-87-2	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclopentane	96-37-7	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Decane	124-18-5	NS	ppbV	NA	NA	NA	9.7 NJ	NA	1.8 NJ	NA	NA	NA	2.8 NJ
n-Nonane	111-84-2	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Octane	111-65-9	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Pentane	109-66-0	NS	ppbV	120 NJ	3.5 NJ	99 NJ	30 NJ	110 NJ	14 NJ	99 NJ	86 NJ	100 NJ	76 NJ
n-Undecane	1120-21-4	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentanal (Valeraldehyde)	110-62-3	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Propane	74-98-6	NS	ppbV	NA	3.6 NJ	NA	NA	NA	NA	NA	NA	NA	NA
Silanol, Trimethyl-	1066-40-6	NS	ppbV	NA	NA	NA	NA	2.9 NJ	NA	NA	NA	NA	NA
Trans-Decahydro-Naphthalene	493-02-7	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 NJ
Unknown Alkane W 1St Highest Concentration	UNKALKANE1	NS	ppbV	NA	NA	NA	7.8 J	NA	1.5 J	NA	2.8 J	NA	2.2 J
Unknown Alkane W 2Nd Highest Concentration	UNKALKANE2	NS	ppbV	NA	NA	NA	3.4 J	NA	1 J	NA	2.7 J	NA	1.7 J
Unknown Alkane W 3Rd Highest Concentration	UNKALKANE3	NS	ppbV	NA	NA	NA	2.5 J	NA	NA	NA	NA	NA	1.2 J
Unknown Alkene	Unkalkene1	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unknown Alkene	Unkalkene2	NS	ppbV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unknown Volatile Organic With 1st Highest Conc.	UNKVOA1	NS	ppbV	NA	1.9 J	1.2 J	3.5 J	NA	1.1 J	NA	2.4 J	1.5 J	1.9 J
Unknown Volatile Organic With 2nd Highest Conc.	UNKVOA2	NS	ppbV	NA	NA	NA	2.6 J	NA	NA	NA	1.8 J	NA	NA
Unknown Volatile Organic With 3rd Highest Conc.	UNKVOA3	NS	ppbV	NA	NA	NA	2.6 J	NA	NA	NA	1.8 J	NA	NA
Unknown Volatile Organic With 4th Highest Conc.	UNKVOA4	NS	ppbV	NA	NA	NA	2.4 J	NA	NA	NA	NA	NA	NA

Table 2
Soil Vapor Investigation Evaluation Report
Sub-Slab Vapor and Indoor Air Sample Analytical Results - NYSDOH AGVs

2560 - 2580 Boston Road
Bronx, New York
NYSDEC BCP Site No.: C2303171
Langan Project No.: 170684201

Analyte	CAS Number	NYSDOH AGVs	Location	SVI_IA05_SSV05		SVI_IA06_SSV06		SVI_IA07_SSV07		SVI_IA08_SSV08		SVI_IA09_SSV09	
			Sample Name	SVI_IA05_110823	SVI_SSV05_110823	SVI_IA06_110823	SVI_SSV06_110823	SVI_IA07_110823	SVI_SSV07_110823	SVI_IA08_110823	SVI_SSV08_110823	SVI_IA09_110823	SVI_SSV09_110823
			Sample Date	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023
			Sample Type	IA	SSV	IA	SSV	IA	SSV	IA	SSV	IA	SSV
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	NS	ug/m3	<0.109 U	9.06	<0.109 U	2.55	<0.109 U	9.98	<0.109 U	<1.09 U	<0.109 U	<1.09 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U
1,1-Dichloroethane	75-34-3	NS	ug/m3	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U
1,1-Dichloroethene	75-35-4	NS	ug/m3	<0.079 U	<0.793 U	<0.079 U	<0.793 U	<0.079 U	<0.793 U	<0.079 U	<0.793 U	<0.079 U	<0.793 U
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	<0.983 U	2.62	<0.983 U	3.73	<0.983 U	1.04	<0.983 U	2.84	<0.983 U	3.79
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U
1,2-Dichloroethane	107-06-2	NS	ug/m3	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U
1,2-Dichloropropane	78-87-5	NS	ug/m3	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<0.983 U	<0.983 U	<0.983 U	1.61	<0.983 U	<0.983 U	<0.983 U	1.33	<0.983 U	1.47
1,3-Butadiene	106-99-0	NS	ug/m3	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	0.76
2,2,4-Trimethylpentane	540-84-1	NS	ug/m3	<0.934 U	<0.934 U	<0.934 U	2.27	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 U
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	1.56	<0.82 U	2.39
4-Ethyltoluene	622-96-8	NS	ug/m3	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U
Acetone	67-64-1	NS	ug/m3	24.2	14.7	30.2	70.8	27.1	30.6	29.5	69.4	33.5	359
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U
Benzene	71-43-2	NS	ug/m3	1.03	<0.639 U	1.06	1.02	1.06	<0.639 U	1.08	1.96	1.06	0.811
Benzyl Chloride	100-44-7	NS	ug/m3	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U
Bromodichloromethane	75-27-4	NS	ug/m3	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U
Bromoethene	593-60-2	NS	ug/m3	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U
Bromoform	75-25-2	NS	ug/m3	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U
Bromomethane	74-83-9	NS	ug/m3	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U
Carbon Disulfide	75-15-0	NS	ug/m3	<0.623 U	1.09	<0.623 U	2.47	<0.623 U	1.55	<0.623 U	0.838	<0.623 U	2.38
Carbon Tetrachloride	56-23-5	NS	ug/m3	0.742	<1.26 U	0.849	<1.26 U	0.9	<1.26 U	0.698	<1.26 U	0.73	<1.26 U
Chlorobenzene	108-90-7	NS	ug/m3	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U
Chloroethane	75-00-3	NS	ug/m3	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U
Chloroform	67-66-3	NS	ug/m3	3.14	111	4.1	25	4.32	41.5	3.43	6.2	3.63	7.52
Chloromethane	74-87-3	NS	ug/m3	1.15	0.931	1.24	0.529	1.4	<0.413 U	1.9	0.715	1.51	0.803
Cis-1,2-Dichloroethene	156-59-2	NS	ug/m3	<0.079 U	<0.793 U	<0.079 U	<0.793 U	<0.079 U	<0.793 U	<0.079 U	<0.793 U	<0.079 U	<0.793 U
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U
Cyclohexane	110-82-7	NS	ug/m3	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 U
Dibromochloromethane	124-48-1	NS	ug/m3	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.68	208	2.78	29.7	2.79	244	2.75	3.98	2.77	4.32
Ethanol	64-17-5	NS	ug/m3	490	15.1	465	23	513	11.6	317	288	526	136
Ethyl Acetate	141-78-6	NS	ug/m3	6.59	<1.8 U	6.2	<1.8 U	5.59	<1.8 U	4.25	3.45	7.64	<1.8 U
Ethylbenzene	100-41-4	NS	ug/m3	<0.869 U	<0.869 U	<0.869 U	0.99	<0.869 U	<0.869 U	<0.869 U	1.34	<0.869 U	<0.869 U
Hexachlorobutadiene	87-68-3	NS	ug/m3	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U
Isopropanol	67-63-0	NS	ug/m3	20.8	<1.23 U	27.5	1.61	24.2	<1.23 U	13.8	17.6	33.2	30
M,P-Xylene	179601-23-1	NS	ug/m3	<1.74 U	<1.74 U	<1.74 U	3.88	<1.74 U	<1.74 U	<1.74 U	2.53	2.08	2.88
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	1.98	2.15	2.56	4.36	2.57	<1.47 U	2.91	6.9	2.92	14.2
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/m3	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U
Methylene Chloride	75-09-2	**60**	ug/m3	<1.74 U	2.29	2.86	2.55	2.1	1.75	2.28	2.74	4.31	2.7
Naphthalene	91-20-3	NS	ug/m3	<1.05 U	<1.05 U	<1.05 U	<1.05 U	1.15	<1.05 U	<1.05 U	<1.05 U	<1.05 U	<1.05 U
n-Heptane	142-82-5	NS	ug/m3	<0.82 U	<0.82 U	1.07	1.3	0.926	<0.82 U	0.979	15.4	1.68	1.08
n-Hexane	110-54-3	NS	ug/m3	<0.705 U	<0.705 U	<0.705 U	<0.705 U	<0.705 U	<0.705 U	<0.705 U	31.7	<0.705 U	<0.705 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	ug/m3	<0.869 U	<0.869 U	<0.869 U	1.72	<0.869 U	<0.869 U	<0.869 U	1.19	<0.869 U	1.27
Styrene	100-42-5	NS	ug/m3	1.41	<0.852 U	1.45	<0.852 U	1.48	<0.852 U	1.12	1.07	1.89	1.32
Tert-Butyl Alcohol	75-65-0	NS	ug/m3	<1.52 U	<1.52 U	<1.52 U	<1.52 U	<1.52 U	<1.52 U	<1.52 U	<1.52 U	<1.52 U	<1.52 U
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U
Tetrachloroethene (PCE)	127-18-4	30	ug/m3	0.861	11.2	0.936	3.09	0.854	7.87	0.895	4	0.929	3.87
Tetrahydrofuran	109-99-9	NS	ug/m3	<1.47 U	<1.47 U	<1.47 U	1.65	<1.47 U	2.61	<1.47 U	4.48	<1.47 U	6.05
Toluene	108-88-3	NS	ug/m3	2.02	1.02	2.65	2.72	2.33	<0.754 U	2.82	4.15	3.41	2.6
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U
Trichloroethene (TCE)	79-01-6	2	ug/m3	<0.107 U	<1.07 U	0.107	<1.07 U	<0.107 U	<1.07 U	<0.107 U	1.14	<0.107 U	<1.07 U
Trichlorofluoromethane	75-69-4	NS	ug/m3	1.29	1.71	1.28	1.59	1.23	1.74	1.31	1.3	1.24	1.38
Vinyl Chloride	75-01-4	NS	ug/m3	<0.051 U	<0.511 U	<0.051 U	<0.511 U	<0.051 U	<0.511 U	<0.051 U	<0.511 U	<0.051 U	<0.511 U
Total BTEX	BTEX	NS	ug/m3	3.05	1.02	3.71	10.33	3.39	NA	3.9	11.17	6.55	7.561
Total VOCs	TOTAL VOCS	NS	ug/m3	557.893	380.871	551.842	188.139	591.85	354.24	386.722	475.813	628.499	586.594

Table 2
Soil Vapor Investigation Evaluation Report
Sub-Slab Vapor and Indoor Air Sample Analytical Results - NYSDOH AGVs

2560 - 2580 Boston Road
Bronx, New York
NYSDEC BCP Site No.: C2303171
Langan Project No.: 170684201

Notes:

AA - Ambient Air
IA - Indoor Air
SSV - Sub-slab Soil Vapor
CAS - Chemical Abstract Service
NS - No standard
ug/m3 - microgram per cubic meter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected
Indoor air sample analytical results are compared to the New York State Department of Health (NYSDOH) Air Guideline Values (AGVs) as set forth in the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York and subsequent updates (through 2024).
Ambient air sample analytical results are shown for reference only.

Qualifiers:

J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

Exceedance Summary:

10 - Result exceeds NYSDOH AGVs

Table 3
Soil Vapor Investigation Evaluation Report
Sub-Slab Vapor and Indoor Air Sample Analytical Results - NYSDOH Decision Matrices

2560 - 2580 Boston Road
Bronx, New York
NYSDEC BCP Site No.: C2303171
Langan Project No.: 170684201

Analyte	CAS Number	NYSDOH Decision Matrix (IA)		NYSDOH Decision Matrix (SSV)		Location	SVI_AA01	SVI_AA02	SVI_IA01_SSV01		SVI_IA02_SSV02		SVI_IA03_SSV03		SVI_IA04_SSV04	
						Sample Name	SVI_AA01_110823	SVI_AA02_110923	SVI_IA01_110823	SVI_SSV01_110823	SVI_IA02_110923	SVI_SSV02_110923	SVI_IA03_110923	SVI_SSV03_110923	SVI_IA04_110823	SVI_SSV04_110823
						Sample Date	11/08/2023	11/09/2023	11/08/2023	11/08/2023	11/09/2023	11/09/2023	11/09/2023	11/09/2023	11/08/2023	11/08/2023
						Sample Type	AA	AA	IA	SSV	IA	SSV	IA	SSV	IA	SSV
						Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds																
1,1,1-Trichloroethane	71-55-6	3	10	100	1000	ug/m3	<0.109	<0.109	0.426	<1.09	0.186	<1.09	<0.109	<1.09	<0.109	<1.09
1,1-Dichloroethene	75-35-4	0.2	1	6	60	ug/m3	<0.079	<0.079	<0.079	<0.793	<0.079	<0.793	<0.079	<0.793	<0.079	<0.793
1,2,4-Trimethylbenzene	95-63-6	2	10	60	600	ug/m3	<0.983	1.71	2.06	2.33	28.7	6.19	11.5	3.68	<0.983	2.6
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	2	10	60	600	ug/m3	<0.983	<0.983	<0.983	<0.983	7.42	1.7	3.47	1.13	<0.983	1.01
2,2,4-Trimethylpentane	540-84-1	2	10	60	600	ug/m3	<0.934	1.11	28.6	38.8	142	14.7	1.85	<0.934	<0.934	<0.934
Benzene	71-43-2	2	10	60	600	ug/m3	<0.639	1.51	1.31	1.29	34.2	15.1	2.16	0.917	1.1	0.904
Carbon Tetrachloride	56-23-5	0.2	1	6	60	ug/m3	0.365	0.579	0.371	<1.26	1.34	<1.26	0.572	<1.26	0.642	<1.26
Cis-1,2-Dichloroethene	156-59-2	0.2	1	6	60	ug/m3	<0.079	<0.079	<0.079	<0.793	<0.079	<0.793	<0.079	<0.793	<0.079	<0.793
Cyclohexane	110-82-7	2	10	60	600	ug/m3	<0.688	<0.688	2.05	2.66	28.1	6.51	6.64	1.94	<0.688	<0.688
Ethylbenzene	100-41-4	2	10	60	600	ug/m3	<0.869	<0.869	1.38	1.32	45.6	12.6	4.52	1.89	<0.869	<0.869
M,P-Xylene	179601-23-1	6	20	200	2000	ug/m3	<1.74	2.59	5.08	4.78	149	48.2	20.8	9.34	1.79	3.21
Methylene Chloride	75-09-2	3	10	100	1000	ug/m3	1.86	3.58	1.82	1.82	1.77	12.5	283	77.8	3.01	3.38
Naphthalene	91-20-3	2	10	60	600	ug/m3	<1.05	<1.05	<1.05	<1.05	1.69	<1.05	2.28	<1.05	<1.05	<1.05
n-Heptane	142-82-5	6	20	200	2000	ug/m3	<0.82	1.16	2.36	2.88	59.8	22.7	8.44	3.24	0.951	<0.82
n-Hexane	110-54-3	6	20	200	2000	ug/m3	<0.705	1.35	5.29	6.87	110	30.6	9.34	3	<0.705	<0.705
o-Xylene (1,2-Dimethylbenzene)	95-47-6	2	10	60	600	ug/m3	<0.869	1.03	1.74	1.93	45.6	12	8.08	3.26	<0.869	1.33
Tetrachloroethene (PCE)	127-18-4	3	10	100	1000	ug/m3	0.454	4.06	1.51	2.6	4.01	2.2	1.17	<1.36	0.848	2.28
Toluene	108-88-3	10	50	300	3000	ug/m3	0.837	3.75	5.77	5.88	192	79.9	20.3	8.03	2.56	2.61
Trichloroethene (TCE)	79-01-6	0.2	1	6	60	ug/m3	<0.107	<0.107	<0.107	<1.07	<0.107	<1.07	<0.107	<1.07	<0.107	<1.07
Vinyl Chloride	75-01-4	0	0.2	6	60	ug/m3	<0.051	<0.051	<0.051	<0.511	<0.051	<0.511	<0.051	<0.511	<0.051	<0.511

Table 3
Soil Vapor Investigation Evaluation Report
Sub-Slab Vapor and Indoor Air Sample Analytical Results - NYSDOH Decision Matrices

2560 - 2580 Boston Road
Bronx, New York
NYSDEC BCP Site No.: C2303171
Langan Project No.: 170684201

Analyte	CAS Number	SVI_IA05_SSV05		SVI_IA06_SSV06		SVI_IA07_SSV07		SVI_IA08_SSV08		SVI_IA09_SSV09	
		SVI_IA05_110823	SVI_SSV05_110823	SVI_IA06_110823	SVI_SSV06_110823	SVI_IA07_110823	SVI_SSV07_110823	SVI_IA08_110823	SVI_SSV08_110823	SVI_IA09_110823	SVI_SSV09_110823
		11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023	11/08/2023
		IA	SSV	IA	SSV	IA	SSV	IA	SSV	IA	SSV
		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds											
1,1,1-Trichloroethane	71-55-6	<0.109	9.06	<0.109	2.55	<0.109	9.98	<0.109	<1.09	<0.109	<1.09
1,1-Dichloroethene	75-35-4	<0.079	<0.793	<0.079	<0.793	<0.079	<0.793	<0.079	<0.793	<0.079	<0.793
1,2,4-Trimethylbenzene	95-63-6	<0.983	2.62	<0.983	3.73	<0.983	1.04	<0.983	2.84	<0.983	3.79
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	<0.983	<0.983	<0.983	1.61	<0.983	<0.983	<0.983	1.33	<0.983	1.47
2,2,4-Trimethylpentane	540-84-1	<0.934	<0.934	<0.934	2.27	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934
Benzene	71-43-2	1.03	<0.639	1.06	1.02	1.06	<0.639	1.08	1.96	1.06	0.811
Carbon Tetrachloride	56-23-5	0.742	<1.26	0.849	<1.26	0.9	<1.26	0.698	<1.26	0.73	<1.26
Cis-1,2-Dichloroethene	156-59-2	<0.079	<0.793	<0.079	<0.793	<0.079	<0.793	<0.079	<0.793	<0.079	<0.793
Cyclohexane	110-82-7	<0.688	<0.688	<0.688	<0.688	<0.688	<0.688	<0.688	<0.688	<0.688	<0.688
Ethylbenzene	100-41-4	<0.869	<0.869	<0.869	0.99	<0.869	<0.869	<0.869	1.34	<0.869	<0.869
M,P-Xylene	179601-23-1	<1.74	<1.74	<1.74	3.88	<1.74	<1.74	<1.74	2.53	2.08	2.88
Methylene Chloride	75-09-2	<1.74	2.29	2.86	2.55	2.1	1.75	2.28	2.74	4.31	2.7
Naphthalene	91-20-3	<1.05	<1.05	<1.05	<1.05	1.15	<1.05	<1.05	<1.05	<1.05	<1.05
n-Heptane	142-82-5	<0.82	<0.82	1.07	1.3	0.926	<0.82	0.979	15.4	1.68	1.08
n-Hexane	110-54-3	<0.705	<0.705	<0.705	<0.705	<0.705	<0.705	<0.705	31.7	<0.705	<0.705
o-Xylene (1,2-Dimethylbenzene)	95-47-6	<0.869	<0.869	<0.869	1.72	<0.869	<0.869	<0.869	1.19	<0.869	1.27
Tetrachloroethene (PCE)	127-18-4	0.861	11.2	0.936	3.09	0.854	7.87	0.895	4	0.929	3.87
Toluene	108-88-3	2.02	1.02	2.65	2.72	2.33	<0.754	2.82	4.15	3.41	2.6
Trichloroethene (TCE)	79-01-6	<0.107	<1.07	0.107	<1.07	<0.107	<1.07	<0.107	1.14	<0.107	<1.07
Vinyl Chloride	75-01-4	<0.051	<0.511	<0.051	<0.511	<0.051	<0.511	<0.051	<0.511	<0.051	<0.511

Table 3
Soil Vapor Investigation Evaluation Report
Sub-Slab Vapor and Indoor Air Sample Analytical Results - NYSDOH Decision Matrices

2560 - 2580 Boston Road
Bronx, New York
NYSDEC BCP Site No.: C2303171
Langan Project No.: 170684201

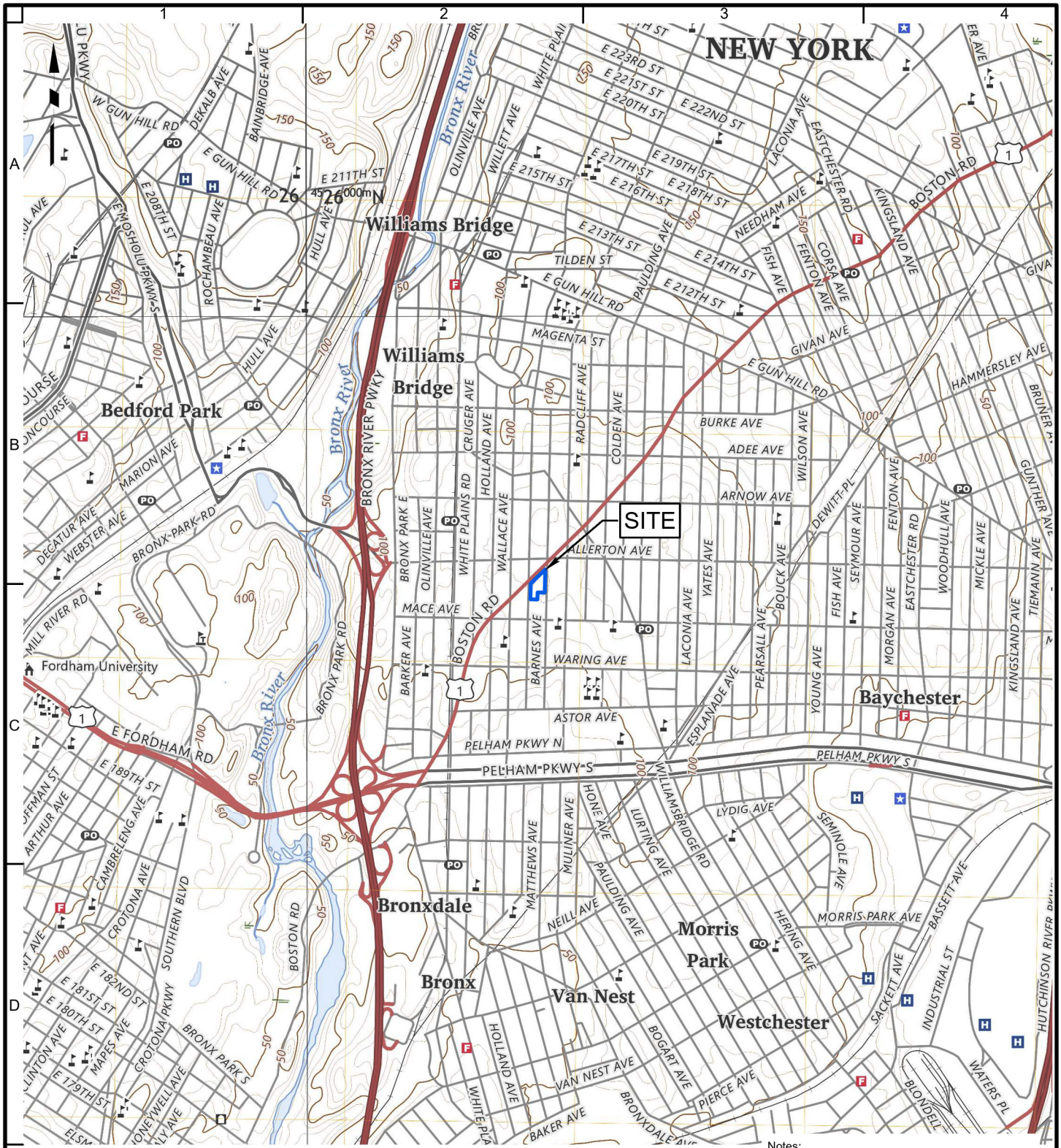
Notes:
AA - Ambient Air
IA - Indoor Air
SSV - Sub-slab Soil Vapor
CAS - Chemical Abstract Service
NS - No standard
ug/m3 - microgram per cubic meter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected
Co-located sub-slab vapor and indoor air sample analytical results are evaluated using the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (through to 2024).

Ambient air sample analytical results are shown for reference only.

Qualifiers:
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample

Exceedance Summary:
10 - Result exceeds the minimum threshold for which monitoring is recommended
10 - Result exceeds the minimum threshold for which mitigation is recommended
10 - Result exceeds the minimum threshold for which identification of source(s) and resampling or mitigation is recommended

FIGURES



Legend

Site Boundary

2,000 0 2,000

SCALE IN FEET

Notes:

1. Basemap adapted from United States Geological Survey (USGS) 7.5-Minute Series Topographical Maps, Flushing, Central Park, Yonkers, and Mount Vernon, Quadrangles, 2023.

LANGAN

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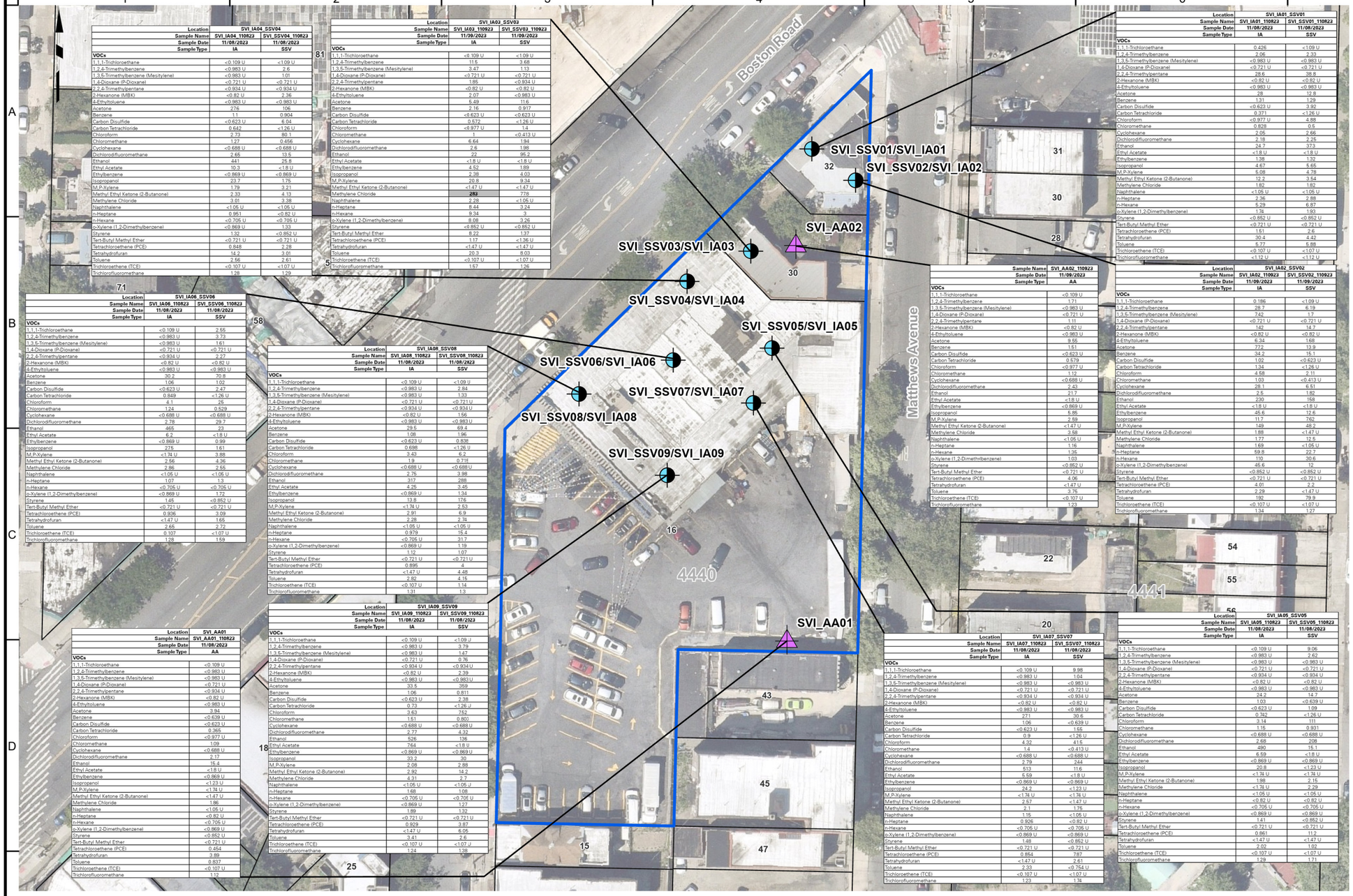
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Langan International LLC

Collectively known as Langan

Project	Figure Title	Project No.	Figure No.
2560-2580 BOSTON ROAD BLOCK No. 4440, LOT Nos. 16, 30, & 32 BRONX BRONX COUNTY NEW YORK	**SITE LOCATION MAP**	170684201 Date: 9/15/2023 Scale: 1"=2,000' Drawn By: GS	1

Path: \\langan.com\data\NYC\data2\170684201\Project Data\ArcGIS\APRX\170684201\170684201.aprx Date: 9/15/2023 User: Gsajbel Time: 2:27 PM



Location	SVI_IA04_SSV04	
Sample Name	SVI_IA04_110823	SVI_SSV04_110823
Sample Date	11/08/2023	11/08/2023
Sample Type	IA	SSV
VOCs		
1,1,1-Trichloroethane	<0.109 U	<1.09 U
1,2,4-Trimethylbenzene	<0.983 U	2.6
1,3,5-Trimethylbenzene (Mesitylene)	<0.983 U	1.01
1,4-Dioxane (P-Dioxane)	<0.721 U	<0.721 U
2,2,4-Trimethylpentane	<0.934 U	<0.934 U
2-Hexanone (MBK)	<0.82 U	2.36
4-Ethyltoluene	<0.983 U	<0.983 U
Acetone	276	106
Benzene	1.1	0.904
Carbon Disulfide	<0.623 U	6.04
Carbon Tetrachloride	0.642	<1.26 U
Chloroform	2.73	80.1
Chloromethane	1.27	0.456
Cyclohexane	<0.688 U	<0.688 U
Dichlorodifluoromethane	2.65	13.5
Ethanol	441	25.8
Ethyl Acetate	10.3	<1.8 U
Ethylbenzene	<0.869 U	<0.869 U
Isopropanol	23.7	1.75
M,P-Xylene	1.79	3.21
Methyl Ethyl Ketone (2-Butanone)	2.33	4.13
Methylene Chloride	3.01	3.38
Naphthalene	<1.05 U	<1.05 U
n-Heptane	0.953	<0.82 U
n-Hexane	<0.705 U	<0.705 U
o-Xylene (1,2-Dimethylbenzene)	<0.869 U	1.33
Styrene	1.32	<0.852 U
Tert-Butyl Methyl Ether	<0.721 U	<0.721 U
Tetrachloroethene (PCE)	0.848	2.28
Tetrahydrofuran	14.2	3.01
Toluene	2.56	2.61
Trichloroethene (TCE)	<0.107 U	<1.07 U
Trichlorofluoromethane	1.28	1.29

Location	SVI_IA03_SSV03	
Sample Name	SVI_IA03_110923	SVI_SSV03_110923
Sample Date	11/09/2023	11/09/2023
Sample Type	IA	SSV
VOCs		
1,1,1-Trichloroethane	<0.109 U	<1.09 U
1,2,4-Trimethylbenzene	11.5	3.68
1,3,5-Trimethylbenzene (Mesitylene)	3.47	1.13
1,4-Dioxane (P-Dioxane)	<0.721 U	<0.721 U
2,2,4-Trimethylpentane	1.85	<0.934 U
2-Hexanone (MBK)	<0.82 U	<0.82 U
4-Ethyltoluene	2.07	<0.983 U
Acetone	5.49	11.6
Benzene	2.16	0.917
Carbon Disulfide	<0.623 U	<0.623 U
Carbon Tetrachloride	0.572	<1.26 U
Chloroform	<0.977 U	1.4
Chloromethane	1	<0.413 U
Cyclohexane	6.64	1.94
Dichlorodifluoromethane	2.6	1.98
Ethanol	22	95.2
Ethyl Acetate	<1.8 U	<1.8 U
Ethylbenzene	4.52	1.89
Isopropanol	2.38	4.03
M,P-Xylene	20.8	9.34
Methyl Ethyl Ketone (2-Butanone)	<1.47 U	<1.47 U
Methylene Chloride	282	778
Naphthalene	2.28	<1.05 U
n-Heptane	8.44	3.24
n-Hexane	9.34	3
o-Xylene (1,2-Dimethylbenzene)	8.08	3.26
Styrene	<0.852 U	<0.852 U
Tert-Butyl Methyl Ether	8.22	1.37
Tetrachloroethene (PCE)	1.17	<1.36 U
Tetrahydrofuran	<1.47 U	<1.47 U
Toluene	20.3	8.03
Trichloroethene (TCE)	<0.107 U	<1.07 U
Trichlorofluoromethane	1.57	1.26

Location	SVI_IA01_SSV01	
Sample Name	SVI_IA01_110823	SVI_SSV01_110823
Sample Date	11/08/2023	11/08/2023
Sample Type	IA	SSV
VOCs		
1,1,1-Trichloroethane	0.426	<1.09 U
1,2,4-Trimethylbenzene	2.06	2.33
1,3,5-Trimethylbenzene (Mesitylene)	<0.983 U	<0.983 U
1,4-Dioxane (P-Dioxane)	<0.721 U	<0.721 U
2,2,4-Trimethylpentane	28.6	38.8
2-Hexanone (MBK)	<0.82 U	<0.82 U
4-Ethyltoluene	<0.983 U	<0.983 U
Acetone	28	12.8
Benzene	1.31	1.29
Carbon Disulfide	<0.623 U	3.92
Carbon Tetrachloride	0.371	<1.26 U
Chloroform	<0.977 U	4.88
Chloromethane	0.928	0.5
Cyclohexane	2.05	2.66
Dichlorodifluoromethane	2.18	2.25
Ethanol	24.7	373
Ethyl Acetate	<1.8 U	<1.8 U
Ethylbenzene	1.38	1.32
Isopropanol	4.67	5.65
M,P-Xylene	5.08	4.78
Methyl Ethyl Ketone (2-Butanone)	12.2	3.54
Methylene Chloride	1.82	1.82
Naphthalene	<1.05 U	<1.05 U
n-Heptane	2.36	2.88
n-Hexane	5.29	6.87
o-Xylene (1,2-Dimethylbenzene)	1.74	1.93
Styrene	<0.852 U	<0.852 U
Tert-Butyl Methyl Ether	<0.721 U	<0.721 U
Tetrachloroethene (PCE)	1.51	2.6
Tetrahydrofuran	30.4	4.42
Toluene	8.77	5.88
Trichloroethene (TCE)	<0.107 U	<1.07 U
Trichlorofluoromethane	<1.12 U	<1.12 U

Location	SVI_IA06_SSV06	
Sample Name	SVI_IA06_110823	SVI_SSV06_110823
Sample Date	11/08/2023	11/08/2023
Sample Type	IA	SSV
VOCs		
1,1,1-Trichloroethane	<0.109 U	2.55
1,2,4-Trimethylbenzene	<0.983 U	3.73
1,3,5-Trimethylbenzene (Mesitylene)	<0.983 U	1.61
1,4-Dioxane (P-Dioxane)	<0.721 U	<0.721 U
2,2,4-Trimethylpentane	<0.934 U	2.27
2-Hexanone (MBK)	<0.82 U	<0.82 U
4-Ethyltoluene	<0.983 U	<0.983 U
Acetone	30.2	70.8
Benzene	1.06	1.02
Carbon Disulfide	<0.623 U	2.47
Carbon Tetrachloride	0.849	<1.26 U
Chloroform	4.1	25
Chloromethane	1.24	0.529
Cyclohexane	<0.688 U	<0.688 U
Dichlorodifluoromethane	2.78	29.7
Ethanol	465	23
Ethyl Acetate	6.2	<1.8 U
Ethylbenzene	<0.869 U	0.99
Isopropanol	27.5	1.61
M,P-Xylene	<1.74 U	3.88
Methyl Ethyl Ketone (2-Butanone)	2.56	4.36
Methylene Chloride	2.86	2.55
Naphthalene	<1.05 U	<1.05 U
n-Heptane	1.07	1.3
n-Hexane	<0.705 U	<0.705 U
o-Xylene (1,2-Dimethylbenzene)	<0.869 U	1.72
Styrene	1.45	<0.852 U
Tert-Butyl Methyl Ether	<0.721 U	<0.721 U
Tetrachloroethene (PCE)	0.936	3.09
Tetrahydrofuran	<1.47 U	1.65
Toluene	2.65	2.72
Trichloroethene (TCE)	0.107	<1.07 U
Trichlorofluoromethane	1.28	1.59

Location	SVI_IA08_SSV08	
Sample Name	SVI_IA08_110823	SVI_SSV08_110823
Sample Date	11/08/2023	11/08/2023
Sample Type	IA	SSV
VOCs		
1,1,1-Trichloroethane	<0.109 U	<1.09 U
1,2,4-Trimethylbenzene	<0.983 U	2.84
1,3,5-Trimethylbenzene (Mesitylene)	<0.983 U	1.33
1,4-Dioxane (P-Dioxane)	<0.721 U	<0.721 U
2,2,4-Trimethylpentane	<0.934 U	<0.934 U
2-Hexanone (MBK)	<0.82 U	1.56
4-Ethyltoluene	<0.983 U	<0.983 U
Acetone	29.5	69.4
Benzene	1.08	1.96
Carbon Disulfide	<0.623 U	0.838
Carbon Tetrachloride	0.698	<1.26 U
Chloroform	3.43	6.2
Chloromethane	1.9	0.71
Cyclohexane	<0.688 U	<0.688 U
Dichlorodifluoromethane	2.75	3.98
Ethanol	317	288
Ethyl Acetate	4.25	3.45
Ethylbenzene	<0.869 U	1.34
Isopropanol	13.8	176
M,P-Xylene	<1.74 U	2.53
Methyl Ethyl Ketone (2-Butanone)	2.91	6.9
Methylene Chloride	2.28	2.74
Naphthalene	<1.05 U	<1.05 U
n-Heptane	0.979	15.4
n-Hexane	<0.705 U	31.7
o-Xylene (1,2-Dimethylbenzene)	<0.869 U	1.19
Styrene	1.12	1.07
Tert-Butyl Methyl Ether	<0.721 U	<0.721 U
Tetrachloroethene (PCE)	0.895	4
Tetrahydrofuran	<1.47 U	4.48
Toluene	2.82	4.15
Trichloroethene (TCE)	<0.107 U	1.14
Trichlorofluoromethane	1.31	1.3

Location	SVI_IA09_SSV09	
Sample Name	SVI_IA09_110823	SVI_SSV09_110823
Sample Date	11/08/2023	11/08/2023
Sample Type	IA	SSV
VOCs		
1,1,1-Trichloroethane	<0.109 U	<1.09 U
1,2,4-Trimethylbenzene	<0.983 U	3.79
1,3,5-Trimethylbenzene (Mesitylene)	<0.983 U	1.47
1,4-Dioxane (P-Dioxane)	<0.721 U	0.76
2,2,4-Trimethylpentane	<0.934 U	<0.934 U
2-Hexanone (MBK)	<0.82 U	2.39
4-Ethyltoluene	<0.983 U	<0.983 U
Acetone	33.5	359
Benzene	1.06	0.811
Carbon Disulfide	<0.623 U	2.38
Carbon Tetrachloride	0.73	<1.26 U
Chloroform	3.63	7.52
Chloromethane	1.51	0.802
Cyclohexane	<0.688 U	<0.688 U
Dichlorodifluoromethane	2.77	4.32
Ethanol	526	136
Ethyl Acetate	7.64	<1.8 U
Ethylbenzene	<0.869 U	<0.869 U
Isopropanol	33.2	30
M,P-Xylene	2.08	2.88
Methyl Ethyl Ketone (2-Butanone)	2.92	14.2
Methylene Chloride	4.31	2.7
Naphthalene	<1.05 U	<1.05 U
n-Heptane	1.68	1.08
n-Hexane	<0.705 U	<0.705 U
o-Xylene (1,2-Dimethylbenzene)	<0.869 U	1.27
Styrene	1.89	1.32
Tert-Butyl Methyl Ether	<0.721 U	<0.721 U
Tetrachloroethene (PCE)	0.929	3.87
Tetrahydrofuran	<1.47 U	6.05
Toluene	3.41	2.6
Trichloroethene (TCE)	<0.107 U	<1.07 J
Trichlorofluoromethane	1.24	1.38

Location	SVI_AA01	
Sample Name	SVI_AA01_110823	
Sample Date	11/08/2023	
Sample Type	AA	
VOCs		
1,1,1-Trichloroethane	<0.109 U	
1,2,4-Trimethylbenzene	<0.983 U	
1,3,5-Trimethylbenzene (Mesitylene)	<0.983 U	
1,4-Dioxane (P-Dioxane)	<0.721 U	
2,2,4-Trimethylpentane	<0.934 U	
2-Hexanone (MBK)	<0.82 U	
4-Ethyltoluene	<0.983 U	
Acetone	3.94	
Benzene	<0.639 U	
Carbon Disulfide	<0.623 U	
Carbon Tetrachloride	0.365	
Chloroform	<0.977 U	
Chloromethane	1.09	
Cyclohexane	<0.688 U	
Dichlorodifluoromethane	2.17	
Ethanol	15.4	
Ethyl Acetate	<1.8 U	
Ethylbenzene	<0.869 U	
Isopropanol	<1.23 U	
M,P-Xylene	<1.74 U	
Methyl Ethyl Ketone (2-Butanone)	<1.47 U	
Methylene Chloride	1.86	
Naphthalene	<1.05 U	
n-Heptane	<0.82 U	
n-Hexane	<0.705 U	
o-Xylene (1,2-Dimethylbenzene)	<0.869 U	
Styrene	<0.852 U	
Tert-Butyl Methyl Ether	<0.721 U	
Tetrachloroethene (PCE)	0.454	
Tetrahydrofuran	3.89	
Toluene	0.837	
Trichloroethene (TCE)	<0.107 U	
Trichlorofluoromethane	1.12	

Sample Name	SVI_AA02_110923
Sample Date	11/09/2023
Sample Type	AA
VOCs	
1,1,1-Trichloroethane	<0.109 U
1,2,4-Trimethylbenzene	1.71
1,3,5-Trimethylbenzene (Mesitylene)	<0.983 U
1,4-Dioxane (P-Dioxane)	<0.721 U
2,2,4-Trimethylpentane	1.11
2-Hexanone (MBK)	<0.82 U
4-Ethyltoluene	<0.983 U
Acetone	9.55
Benzene	1.51
Carbon Disulfide	<0.623 U
Carbon Tetrachloride	0.579
Chloroform	<0.977 U
Chloromethane	1.12
Cyclohexane	<0.688 U
Dichlorodifluoromethane	2.43
Ethanol	21.7
Ethyl Acetate	<1.8 U
Ethylbenzene	<0.869 U
Isopropanol	5.85
M,P-Xylene	2.59
Methyl Ethyl Ketone (2-Butanone)	<1.47 U
Methylene Chloride	3.58
Naphthalene	<1.05 U
n-Heptane	1.16
n-Hexane	1.35
o-Xylene (1,2-Dimethylbenzene)	1.03
Styrene	<0.852 U
Tert-Butyl Methyl Ether	<0.721 U
Tetrachloroethene (PCE)	4.06
Tetrahydrofuran	<1.47 U
Toluene	3.75
Trichloroethene (TCE)	<0.107 U
Trichlorofluoromethane	1.23

Location	SVI_IA02_SSV02	
Sample Name	SVI_IA02_110923	SVI_SSV02_110923
Sample Date	11/09/2023	11/09/2023
Sample Type	IA	SSV
VOCs		
1,1,1-Trichloroethane	0.186	<1.09 U
1,2,4-Trimethylbenzene	28.7	6.19
1,3,5-Trimethylbenzene (Mesitylene)	7.42	1.7
1,4-Dioxane (P-Dioxane)	<0.721 U	<0.721 U
2,2,4-Trimethylpentane	142	14.7
2-Hexanone (MBK)	<0.82 U	<0.82 U
4-Ethyltoluene	6.34	1.68
Acetone	772	13.9
Benzene	34.2	15.1
Carbon Disulfide	1.02	<0.623 U
Carbon Tetrachloride	1.34	<1.26 U
Chloroform	4.58	2.11
Chloromethane	1.03	<0.413 U
Cyclohexane	28.1	6.51
Dichlorodifluoromethane	2.5	1.82
Ethanol	230	159
Ethyl Acetate	<1.8 U	<1.8 U
Ethylbenzene	45.6	12.6
Isopropanol	11.7	7.62
M,P-Xylene	149	48.2
Methyl Ethyl Ketone (2-Butanone)	1.88	<1.47 U
Methylene Chloride	1.77	12.5
Naphthalene	1.69	<1.05 U
n-Heptane	59.8	22.7
n-Hexane	110	30.6
o-Xylene (1,2-Dimethylbenzene)	45.6	12
Styrene	<0.852 U	<0.852 U
Tert-Butyl Methyl Ether	<0.721 U	<0.721 U
Tetrachloroethene (PCE)	4.01	2.2
Tetrahydrofuran	2.29	<1.47 U
Toluene	192	79.9
Trichloroethene (TCE)	<0.107 U	<1.07 U
Trichlorofluoromethane	1.34	1.27

Location	SVI_IA07_SSV07	
Sample Name	SVI_IA07_110823	SVI_SSV07_110823
Sample Date	11/08/2023	11/08/2023
Sample Type	IA	SSV
VOCs		
1,1,1-Trichloroethane	<0.109 U	9.98
1,2,4-Trimethylbenzene	<0.983 U	1.04
1,3,5-Trimethylbenzene (Mesitylene)	<0.983 U	<0.983 U
1,4-Dioxane (P-Dioxane)	<0.721 U	<0.721 U
2,2,4-Trimethylpentane	<0.934 U	<0.934 U
2-Hexanone (MBK)	<0.82 U	<0.82 U
4-Ethyltoluene	<0.983 U	<0.983 U
Acetone	271	30.6
Benzene	1.06	<0.639 U
Carbon Disulfide	<0.623 U	1.56
Carbon Tetrachloride	0.9	<1.26 U
Chloroform	4.32	41.5
Chloromethane	1.4	<0.413 U
Cyclohexane	<0.688 U	<0.688 U
Dichlorodifluoromethane	2.79	244
Ethanol	513	11.6
Ethyl Acetate	5.59	<1.8 U
Ethylbenzene	<0.869 U	<0.869 U
Isopropanol	24.2	<1.23 U
M,P-Xylene	<1.74 U	<1.74 U
Methyl Ethyl Ketone (2-Butanone)	2.57	<1.47 U
Methylene Chloride	2.1	1.76
Naphthalene	1.15	<1.05 U
n-Heptane	0.926	<0.82 U
n-Hexane	<0.705 U	<0.705 U
o-Xylene (1,2-Dimethylbenzene)	<0.869 U	<0.869 U
Styrene	1.48	<0.852 U
Tert-Butyl Methyl Ether	<0.721 U	<0.721 U
Tetrachloroethene (PCE)	0.854	787
Tetrahydrofuran	<1.47 U	2.61
Toluene	2.33	<0.754 U
Trichloroethene (TCE)	<0.107 U	<1.07 U
Trichlorofluoromethane	1.23	1.74

Location	SVI_IA05_SSV05	
Sample Name	SVI_IA05_110823	SVI_SSV05_110823
Sample Date	11/08/2023	11/08/2023
Sample Type	IA	SSV
VOCs		
1,1,1-Trichloroethane	<0.109 U	9.06
1,2,4-Trimethylbenzene	<0.983 U	2.62
1,3,5-Trimethylbenzene (Mesitylene)	<0.983 U	<0.983 U
1,4-Dioxane (P-Dioxane)	<0.721 U	<0.721 U
2,2,4-Trimethylpentane	<0.934 U	<0.934 U
2-Hexanone (MBK)	<0.82 U	<0.82 U
4-Ethyltoluene	<0.983 U	<0.983 U
Acetone	24.2	14.7
Benzene	1.03	<0.639 U
Carbon Disulfide	<0.623 U	1.09
Carbon Tetrachloride	0.742	<1.26 U
Chloroform	3.14	111
Chloromethane	1.15	0.931
Cyclohexane	<0.688 U	<0.688 U
Dichlorodifluoromethane	2.68	208
Ethanol	490	15.1
Ethyl Acetate	6.59	<1.8 U
Ethylbenzene	<0.869 U	<0.869 U
Isopropanol	20.8	<1.23 U
M,P-Xylene	<1.74 U	<1.74 U
Methyl Ethyl Ketone (2-Butanone)	1.98	2.15
Methylene Chloride	<1.74 U	2.29
Naphthalene	<1.05 U	<1.05 U
n-Heptane	<0.82 U	<0.82 U
n-Hexane	<0.705 U	<0.705 U
o-Xylene (1,2-Dimethylbenzene)	<0.869 U	<0.869 U
Styrene	1.41	<0.852 U
Tert-Butyl Methyl Ether	<0.721 U	<0.721 U
Tetrachloroethene (PCE)	0.861	11.2
Tetrahydrofuran	<1.47 U	<1.47 U
Toluene	2.02	1.02
Trichloroethene (TCE)	<0.107 U	<1.07 U
Trichlorofluoromethane	1.29	1.71

Legend

- Site Boundary
- 4440 — Tax Block
- 16 — Tax Parcel
- Approximate Co-Located Sub-Slab Vapor Point and Indoor Air Sample Location
- Approximate Ambient Air Sample Location

Analyte	NYSDOH Decision Matrix (IA)		NYSDOH Decision Matrix (SSV)	
VOCs				
1,1,1-Trichloroethane	3	10	100	1000
1,2,4-Trimethylbenzene	2	10	60	600
1,3,5-Trimethylbenzene (Mesitylene)	2	10	60	600
2,2,4-Trimethylpentane	2	10	60	600
Benzene	2	10	60	600
Carbon Tetrachloride	0.2	1	6	60
Cyclohexane	2	10	60	600
Ethylbenzene	2	10	60	600
M,P-Xylene	6	20	200	2000
Methylene Chloride	3	10	100	1000
Naphthalene	2	10	60	600
n-Heptane	6	20	200	2000
n-Hexane	6	20	200	2000
o-Xylene (1,2-Dimethylbenzene)	2	10	60	600
Tetrachloroethene (PCE)	3	10	100	1000
Toluene	10	50	300	3000
Trichloroethene (TCE)	0.2	1	6	60

Analyte	NYSDOH AGVs
VOCs	
1,1,1-Trichloroethane	NS
1,2,4-Trimethylbenzene	NS
1,3,5-Trimethylbenzene (Mesitylene)	NS
1,4-Dioxane (P-Dioxane)	NS
2,2,4-Trimethylpentane	NS
2-Hexanone (MBK)	NS
4-Ethyltoluene	NS
Acetone	NS
Benzene	NS
Carbon Disulfide	NS
Carbon Tetrachloride	NS
Chloroform	NS
Chloromethane	NS
Cyclohexane	NS
Dichlorodifluoromethane	NS
Ethanol	NS
Ethyl Acetate	NS
Ethylbenzene	NS
Isopropanol	NS
M,P-Xylene	NS
Methyl Ethyl Ketone (2-Butanone)	NS
Methylene Chloride	60
Naphthalene	NS
n-Heptane	NS
n-Hexane	NS
o-Xylene (1,2-Dimethylbenzene)	NS
Styrene	NS
Tert-Butyl Methyl Ether	NS
Tetrachloroethene (PCE)	30
Tetrahydrofuran	NS
Toluene	NS
Trichloroethene (TCE)	2
Trichlorofluoromethane	NS

Exceedance Summary:

10 - Result exceeds NYSDOH AGVs

Notes:
1. Aerial imagery provided through Langan's subscription to NearMap.com, flown 5/28/2023.
2. Parcel data provided by the New York City Department of City Planning.
3. Sampling locations shown are approximate and based on field measurements.
4. Indoor air sample analytical results are compared to the New York State Department of Health (NYSDOH) Air Guidance Values (AGVs) and co-located sub-slab vapor and indoor air sample analytical results are evaluated using the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (through to 2024).
5. Ambient air sample analytical results are shown for reference only.
6. Results are shown in µg/m³ (micrograms per cubic meter)
7. NS - No Standard

Qualifiers:
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

WARNING: It is a violation of the NYS Education Law Article 145 for any person, unless acting under the direction of a licensed professional engineer, land surveyor or geologist, to alter this item in any way.

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Project
2560-2580 BOSTON ROAD
BLOCK No. 4440, LOT Nos. 16, 30, & 32
BRONX
BRONX COUNTY NEW YORK

Figure Title
SUB-SLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS

Project No. 170684201
Date 4/24/2024
Scale 1"=60'
Drawn By GS
Figure No. 2A

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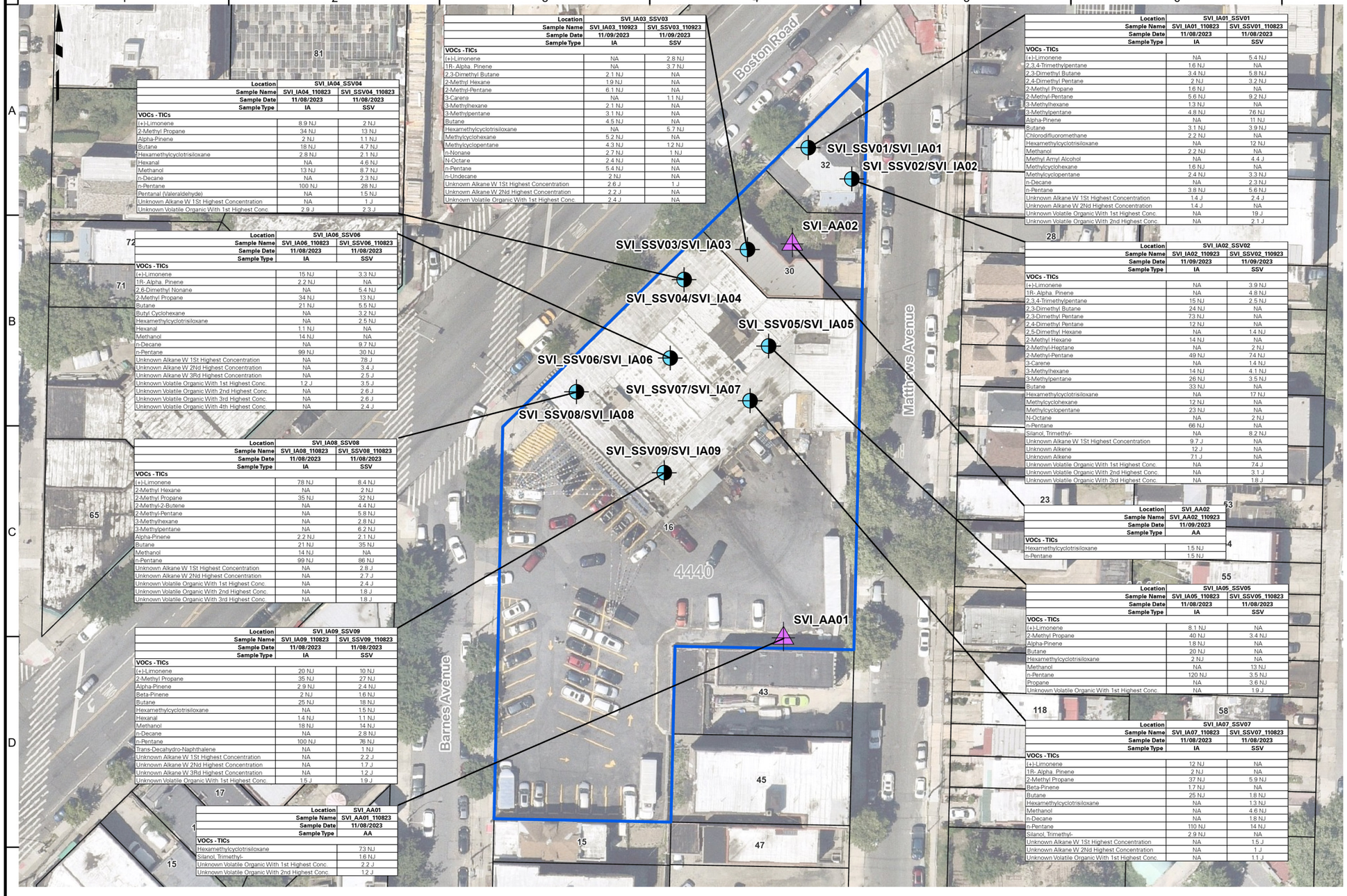

Location	SVI_IA03_SSV03	
Sample Name	SVI_IA03_110923	SVI_SSV03_110923
Sample Date	11/09/2023	11/09/2023
Sample Type	IA	SSV
VOCs - TICs		
(+)-Limonene	NA	2.8 NJ
1R- Alpha. Pinene	NA	3.7 NJ
2,3-Dimethyl Butane	2.1 NJ	NA
2-Methyl Hexane	1.9 NJ	NA
2-Methyl-Pentane	6.1 NJ	NA
3-Carene	NA	1.1 NJ
3-Methylhexane	2.1 NJ	NA
3-Methylpentane	3.1 NJ	NA
Butane	4.5 NJ	NA
Hexamethylcyclotrisiloxane	NA	5.7 NJ
Methylcyclohexane	5.2 NJ	NA
Methylcyclopentane	4.3 NJ	12 NJ
n-Nonane	2.7 NJ	1 NJ
N-Octane	2.4 NJ	NA
n-Pentane	5.4 NJ	NA
n-Undecane	2 NJ	NA
Unknown Alkane W 1St Highest Concentration	2.6 J	1 J
Unknown Alkane W 2Nd Highest Concentration	2.2 J	NA
Unknown Volatile Organic With 1st Highest Conc.	2.4 J	NA

Location	SVI_IA01_SSV01	
Sample Name	SVI_IA01_110823	SVI_SSV01_110823
Sample Date	11/08/2023	11/08/2023
Sample Type	IA	SSV
VOCs - TICs		
(+)-Limonene	NA	5.4 NJ
2,3,4-Trimethylpentane	1.6 NJ	NA
2,3-Dimethyl Butane	3.4 NJ	5.8 NJ
2,4-Dimethyl Pentane	2 NJ	3.2 NJ
2-Methyl Propane	1.6 NJ	NA
2-Methyl-Pentane	5.6 NJ	9.2 NJ
3-Methylhexane	1.3 NJ	NA
3-Methylpentane	4.8 NJ	76 NJ
Alpha-Pinene	NA	11 NJ
Butane	3.1 NJ	3.9 NJ
Chlorodifluoromethane	2.2 NJ	NA
Hexamethylcyclotrisiloxane	NA	12 NJ
Methanol	2.2 NJ	NA
Methyl Amyl Alcohol	NA	4.4 J
Methylcyclohexane	1.6 NJ	NA
Methylcyclopentane	2.4 NJ	3.3 NJ
n-Decane	NA	2.3 NJ
n-Pentane	3.8 NJ	5.6 NJ
Unknown Alkane W 1St Highest Concentration	1.4 J	2.4 J
Unknown Alkane W 2Nd Highest Concentration	1.4 J	NA
Unknown Volatile Organic With 1st Highest Conc.	NA	19 J
Unknown Volatile Organic With 2nd Highest Conc.	NA	2.1 J

Location	SVI_IA04_SSV04	
Sample Name	SVI_IA04_110823	SVI_SSV04_110823
Sample Date	11/08/2023	11/08/2023
Sample Type	IA	SSV
VOCs - TICs		
(+)-Limonene	8.9 NJ	2 NJ
2-Methyl Propane	34 NJ	13 NJ
Alpha-Pinene	2 NJ	1.1 NJ
Butane	18 NJ	4.7 NJ
Hexamethylcyclotrisiloxane	2.8 NJ	2.1 NJ
Hexanal	NA	4.6 NJ
Methanol	13 NJ	8.7 NJ
n-Decane	NA	2.3 NJ
n-Pentane	100 NJ	28 NJ
Pentanal (Valeraldehyde)	NA	1.5 NJ
Unknown Alkane W 1St Highest Concentration	NA	1 J
Unknown Volatile Organic With 1st Highest Conc.	2.9 J	2.3 J

Location	SVI_IA02_SSV02	
Sample Name	SVI_IA02_110923	SVI_SSV02_110923
Sample Date	11/09/2023	11/09/2023
Sample Type	IA	SSV
VOCs - TICs		
(+)-Limonene	NA	3.9 NJ
1R- Alpha. Pinene	NA	4.8 NJ
2,3,4-Trimethylpentane	15 NJ	2.5 NJ
2,3-Dimethyl Butane	24 NJ	NA
2,3-Dimethyl Pentane	73 NJ	NA
2,4-Dimethyl Pentane	12 NJ	NA
2,5-Dimethyl Hexane	NA	1.4 NJ
2-Methyl Hexane	14 NJ	NA
2-Methyl-Heptane	NA	2 NJ
2-Methyl-Pentane	49 NJ	74 NJ
3-Carene	NA	1.4 NJ
3-Methylhexane	14 NJ	4.1 NJ
3-Methylpentane	26 NJ	3.5 NJ
Butane	33 NJ	NA
Hexamethylcyclotrisiloxane	NA	17 NJ
Methylcyclohexane	12 NJ	NA
Methylcyclopentane	23 NJ	NA
N-Octane	NA	2 NJ
n-Pentane	66 NJ	NA
Silanol, Trimethyl-	NA	8.2 NJ
Unknown Alkane W 1St Highest Concentration	9.7 J	NA
Unknown Alkene	12 J	NA
Unknown Alkene	7.1 J	NA
Unknown Volatile Organic With 1st Highest Conc.	NA	7.4 J
Unknown Volatile Organic With 2nd Highest Conc.	NA	3.1 J
Unknown Volatile Organic With 3rd Highest Conc.	NA	1.8 J

Location	SVI_IA06_SSV06	
Sample Name	SVI_IA06_110823	SVI_SSV06_110823
Sample Date	11/08/2023	11/08/2023
Sample Type	IA	SSV
VOCs - TICs		
(+)-Limonene	15 NJ	3.3 NJ
1R- Alpha. Pinene	2.2 NJ	NA
2,6-Dimethyl Nonane	NA	5.4 NJ
2-Methyl Propane	34 NJ	13 NJ
Butane	21 NJ	5.5 NJ
Butyl Cyclohexane	NA	3.2 NJ
Hexamethylcyclotrisiloxane	NA	2.5 NJ
Hexanal	1.1 NJ	NA
Methanol	14 NJ	NA
n-Decane	NA	9.7 NJ
n-Pentane	99 NJ	30 NJ
Unknown Alkane W 1St Highest Concentration	NA	78 J
Unknown Alkane W 2Nd Highest Concentration	NA	3.4 J
Unknown Alkane W 3Rd Highest Concentration	NA	2.5 J
Unknown Volatile Organic With 1st Highest Conc.	1.2 J	3.5 J
Unknown Volatile Organic With 2nd Highest Conc.	NA	2.6 J
Unknown Volatile Organic With 3rd Highest Conc.	NA	2.6 J
Unknown Volatile Organic With 4th Highest Conc.	NA	2.4 J

Location	SVI_AA02
Sample Name	SVI_AA02_110923
Sample Date	11/09/2023
Sample Type	AA
VOCs - TICs	
Hexamethylcyclotrisiloxane	1.5 NJ
n-Pentane	1.5 NJ

Location	SVI_IA05_SSV05	
Sample Name	SVI_IA05_110823	SVI_SSV05_110823
Sample Date	11/08/2023	11/08/2023
Sample Type	IA	SSV
VOCs - TICs		
(+)-Limonene	8.1 NJ	NA
2-Methyl Propane	40 NJ	3.4 NJ
Alpha-Pinene	1.8 NJ	NA
Butane	20 NJ	NA
Hexamethylcyclotrisiloxane	2 NJ	NA
Methanol	NA	13 NJ
n-Pentane	120 NJ	3.5 NJ
Propane	NA	3.6 NJ
Unknown Volatile Organic With 1st Highest Conc.	NA	1.9 J

Location	SVI_IA08_SSV08	
Sample Name	SVI_IA08_110823	SVI_SSV08_110823
Sample Date	11/08/2023	11/08/2023
Sample Type	IA	SSV
VOCs - TICs		
(+)-Limonene	78 NJ	8.4 NJ
2-Methyl Hexane	NA	2 NJ
2-Methyl Propane	35 NJ	32 NJ
2-Methyl-2-Butene	NA	4.4 NJ
2-Methyl-Pentane	NA	5.8 NJ
3-Methylhexane	NA	2.8 NJ
3-Methylpentane	NA	6.2 NJ
Alpha-Pinene	2.2 NJ	2.1 NJ
Butane	21 NJ	35 NJ
Methanol	14 NJ	NA
n-Pentane	99 NJ	86 NJ
Unknown Alkane W 1St Highest Concentration	NA	2.8 J
Unknown Alkane W 2Nd Highest Concentration	NA	2.7 J
Unknown Volatile Organic With 1st Highest Conc.	NA	2.4 J
Unknown Volatile Organic With 2nd Highest Conc.	NA	1.8 J
Unknown Volatile Organic With 3rd Highest Conc.	NA	1.8 J

Location	SVI_IA07_SSV07	
Sample Name	SVI_IA07_110823	SVI_SSV07_110823
Sample Date	11/08/2023	11/08/2023
Sample Type	IA	SSV
VOCs - TICs		
(+)-Limonene	12 NJ	NA
1R- Alpha. Pinene	2 NJ	NA
2-Methyl Propane	37 NJ	5.9 NJ
Beta-Pinene	1.7 NJ	NA
Butane	25 NJ	1.8 NJ
Hexamethylcyclotrisiloxane	NA	1.3 NJ
Methanol	NA	4.6 NJ
n-Decane	NA	1.8 NJ
n-Pentane	110 NJ	14 NJ
Silanol, Trimethyl-	2.9 NJ	NA
Unknown Alkane W 1St Highest Concentration	NA	1.5 J
Unknown Alkane W 2Nd Highest Concentration	NA	1 J
Unknown Volatile Organic With 1st Highest Conc.	NA	1.1 J

Location	SVI_IA09_SSV09	
Sample Name	SVI_IA09_110823	SVI_SSV09_110823
Sample Date	11/08/2023	11/08/2023
Sample Type	IA	SSV
VOCs - TICs		
(+)-Limonene	20 NJ	10 NJ
2-Methyl Propane	35 NJ	27 NJ
Alpha-Pinene	2.9 NJ	2.4 NJ
Beta-Pinene	2 NJ	1.6 NJ
Butane	25 NJ	18 NJ
Hexamethylcyclotrisiloxane	NA	1.5 NJ
Hexanal	1.4 NJ	1.1 NJ
Methanol	18 NJ	14 NJ
n-Decane	NA	2.8 NJ
n-Pentane	100 NJ	76 NJ
Trans-Decahydro-Naphthalene	NA	1 NJ
Unknown Alkane W 1St Highest Concentration	NA	2.2 J
Unknown Alkane W 2Nd Highest Concentration	NA	1.7 J
Unknown Alkane W 3Rd Highest Concentration	NA	1.2 J
Unknown Volatile Organic With 1st Highest Conc.	1.5 J	1.9 J

Location	SVI_AA01
Sample Name	SVI_AA01_110823
Sample Date	11/08/2023
Sample Type	AA
VOCs - TICs	
Hexamethylcyclotrisiloxane	7.3 NJ
Silanol, Trimethyl-	1.6 NJ
Unknown Volatile Organic With 1st Highest Conc.	2.2 J
Unknown Volatile Organic With 2nd Highest Conc.	1.2 J

Legend

- Site Boundary
- 4440 Tax Block
- 16 Tax Parcel
- Approximate Co-Located Sub-Slab Vapor Point and Indoor Air Sample Location
- Approximate Ambient Air Sample Location

Analyte	NYSDOH AGVs
VOCs - TICs	
(+)-Limonene	NS
1R- Alpha. Pinene	NS
2,3,4-Trimethylpentane	NS
2,3-Dimethyl Butane	NS
2,3-Dimethyl Pentane	NS
2,4-Dimethyl Pentane	NS
2,5-Dimethyl Hexane	NS
2,6-Dimethyl Nonane	NS
2-Methyl Hexane	NS
2-Methyl Propane	NS
2-Methyl-2-Butene	NS
2-Methyl-Heptane	NS
2-Methyl-Pentane	NS
3-Carene	NS
3-Methylhexane	NS
3-Methylpentane	NS
Alpha-Pinene	NS
Beta-Pinene	NS
Butane	NS
Butyl Cyclohexane	NS
Chlorodifluoromethane	NS
Hexamethylcyclotrisiloxane	NS
Hexanal	NS
Methanol	NS
Methyl Amyl Alcohol	NS
Methylcyclohexane	NS
Methylcyclopentane	NS
n-Decane	NS
n-Nonane	NS
N-Octane	NS
n-Pentane	NS
n-Undecane	NS
Pentanal (Valeraldehyde)	NS
Propane	NS
Silanol, Trimethyl-	NS
Trans-Decahydro-Naphthalene	NS
Unknown Alkane W 1St Highest Concentration	NS
Unknown Alkane W 2Nd Highest Concentration	NS
Unknown Alkane W 3Rd Highest Concentration	NS
Unknown Alkene	NS
Unknown Alkene	NS
Unknown Volatile Organic With 1st Highest Conc.	NS
Unknown Volatile Organic With 2nd Highest Conc.	NS
Unknown Volatile Organic With 3rd Highest Conc.	NS
Unknown Volatile Organic With 4th Highest Conc.	NS

Exceedance Summary:

10 - Result exceeds NYSDOH AGVs

Notes:
1. Aerial imagery provided through Langan's subscription to NearMap.com, flown 5/28/2023.
2. Parcel data provided by the New York City Department of City Planning.
3. Sampling locations shown are approximate and based on field measurements.
4. Indoor air sample analytical results are compared to the New York State Department of Health (NYSDOH) Air Guideline Values (AGVs) as set forth in the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York and subsequent updates (through to 2024).
5. Ambient air sample analytical results are shown for reference only.
6. Results are shown in µg/m^3 (micrograms per cubic meter)
7. NA - Not Analyzed
8. NS - No Standard
9. TIC - Tentatively Identified Compounds

Qualifiers:
J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

WARNING: It is a violation of the NYS Education Law Article 145 for any person, unless acting under the direction of a licensed professional engineer, land surveyor or geologist, to alter this item in any way.

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SCALE IN FEET

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Project
2560-2580 BOSTON ROAD
BLOCK No. 4440, LOT Nos. 16, 30, & 32
BRONX
BRONX COUNTY NEW YORK

Figure Title
SUB-SLAB SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS - TICs

Project No. 170684201
Date 4/24/2024
Scale 1"=60'
Drawn By GS
Figure No. 2B

Path: \\langan.com\data\NYC\data2\170684201\Project Data\ArcGIS\APRX\170684201\170684201.aprx Date: 4/24/2024 User: Gsajbel Time: 10:50 AM

APPENDIX A

SITE PHOTOGRAPHS

Photo 1 – View of the ambient air sample (SVI_AA02) located in the private outdoor space of Lot 30 (facing north).

Photo 2 – View of sub-slab vapor (SVI_SSV01) and co-located indoor air (SVI_IA01) samples located in the cellar in the northwestern part of the building on Lot 32 (facing west).

Photo 3 – View of sub-slab vapor (SVI_SSV09) and co-located indoor air (SVI_IA09) samples located in the basement of the one-story supermarket in Lot 16 (facing north).

Photo 4 – View of Langan performing a seal integrity test at sub-slab vapor (SVI_SSV04) located in the basement of the one-story supermarket in Lot 16 (facing down).

APPENDIX B

NYSDOH INDOOR AIR QUALITY QUESTIONNAIRE AND CHEMICAL PRODUCT INVENTORY

Indoor Air Quality Investigation
Pre-Inspection Product Inventory

Site Name: **2560-2580 Boston Road** **Langan Project No.: 170684201**

Site Location: **Bronx, New York** **Date: 11/7/2023**

Make and model of field instrument used:ppbRAE

Location	Product Description x Item Count	Size (units)	Condition*	Chemical Ingredients/Cas number	Field Instrument Reading (ppb)	Photo Y/N
Lot 16	Propane Tank x 1	10 Gal	U	Propane/(74-98-6)	0.0	Y
Lot 30	Gasoline Tank x 9	5 Gal	U	Gasoline/(8006-61-9)	0.0	Y
Lot 30	Minwax® Wood Finish x 2	1 Gal	U	Light Aliphatic Hydrocarbon/(64742-47-8), Heavy Naphthenic Petroleum Oil/(64742-52-5), Aliphatic Solvent/(64742-47-8), Med. Aliphatic Hydrocarbon Solvent/(64742-88-7), Mineral Spirits (Odorless)/(64742-48-9), 1,2,4-Trimethylbenzene/(95-63-6), Light Aromatic Hydrocarbons/(64742-95-6), Carbon Black/(1333-86-4), 1,3,5-Trimethylbenzene/(108-67-8), Xylene-mixed isomers/(1330-20-7)	0.0	Y
Lot 30	Minwax® High-Build Polyurethane Wood Enamel/Gloss x 7	1 Qt	U	Light Aliphatic Hydrocarbon/(64742-47-8), Med. Aliphatic Hydrocarbon Solvent/(64742-88-7), Zirconium 2-Ethylhexanoate/(22464-99-9), Methyl Ethyl Ketoxime/(96-29-7)	0.0	Y
Lot 30	Rust-Oleum® Painter's Touch Multi-Purpose Latex Paint Gloss x3	1 Qt	U	Titanium Dioxide/(13463-67-7), Dipropylene Glycol Monobutyl Ether/(29911-28-2), Ethanol/(H225), Oxirane, methyl-, polymer with oxirane, monobutyl ether/(H330), Sodium Nitrite/(7632-00-0), 5-Chloro-2-Methyl-4-Isothiazolin-3-one Mixture with 2-Methyl-4-Isothiazolin-3-one/(2682-20-4)	0.0	Y
Lot 30	Rust-Oleum® Protective Enamel x1	1 Qt	U	Hydrotreated Light Distillate/(64742-47-8), Aluminum Flake/(7429-90-5), Petroleum Resin/(64742-16-1), Stoddard Solvent/(8052-41-3), Amorphous Precipitated Silica/(112926-00-8), Xylenes (o-, m-, p- Isomers)/(1330-20-7), Octadecylamine/(124-30-1), Cobalt 2-Ethylhexanoate/(136-52-7), Ethylbenzene/(100-41-4), Methyl Ethyl Ketoxime/(96-29-7)	0.0	Y
Lot 30	Behr® Premium Interior Satin Cabinet & Trim Enamel x1	1 Gal	U	Titanium Dioxide/(13463-67-7), Kaolin/(1332-58-7), 2-Methyl-2H-isothiazol-3-one/(2682-20-4)	0.0	Y

* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D).

Indoor Air Quality Investigation
Pre-Inspection Product Inventory

Lot 30	Benjamin Moore® Premium Interior Latex Semi-Gloss Finish Base 4 x1	1 Qt	U	Titanium Dioxide/(13463-67-7), Kaolin/(1332-58-7)	0.0	Y
Lot 30	Trewax® Wood Cleaner	32 fl oz	U	The exact percentage (concentration) of composition has been withheld as a trade secret There are no chemicals at reportable levels in this product meeting the OSHA and/or WHMIS definition of hazardous	0.0	Y
Lot 30	Waterlox Original/Watco Danish Oil/RestorAFinish® Wood Oils x 5	1 Qt	U	Stoddard Solvent/(8052-41-3), Linseed Oil/(8001-26-1), Soybean Oil/(8001-22-7), Rosin Adduct Ester/(888888-09-3), Solvent Naphtha, Light Aromatic/(64742-95-6), Mineral Spirits/(64742-88-7)	0.0	Y
Lot 32	Oatey® PVC and CPVC Purple Primer x 2	8 fl oz	U	Acetone/(67-64-1), Cyclohexanone/(108-94-1), Tetrahydro Furan/(109-99-9), Methyl ethyl ketone/(78-93-3)	0.0	Y
Lot 32	Stainless Steal Cleaner x 9	18 fl oz	U	White mineral oil (petroleum)/(8042-47-5), Distillates (petroleum), hydrotreated light/(64742-47-8), Propane/(74-98-6)	0.0	Y
Lot 32	Chain Oil X 3	32 fl oz	U	Heavy Hydrotreated Naphthenic Distillates (Petroleum)/(64742-52-5), Heavy Hydrotreated Paraffin Distillates/(64742-54-7), Tackifier Additive - Polymeric	0.0	Y
Lot 32	Gel Grafitti Remover x 6	18 fl oz	U	Butoxydiglycol/(112-34-5), d-Limonene/(5989-27-5), C9-11 Alcohols Ethoxylated/(68439-46-3)	0.0	Y
Lot 32	KleanStrip® Epoxy Thinners x 7	1 Gal	U	Acetone/(67-64-1), Xylene/(1330-20-7), Ethylbenzene/(100-41-4), Hydrotreated light distillate (petroleum)/(64742-47-8)	0.0	Y
Lot 32	Bleach x 5	1 Gal	U	Sodium hypochlorite/(7681-52-9)	0.0	Y
Lot 32	Hillyard® Assurance General Purpose Cleaner x 18	1 Gal	U	Sodium Carbonate/(497-19-8), Sodium metasilicate/(6834-92-0), Complex Surfactant Blend	0.0	Y
Lot 32	Hillyard 341 Seal®-finish x 18	1 Gal	U	Ethoxydiglycol/(111-90-0), Tributoxyethyl Phosphate/(78-51-3)	0.0	Y
Lot 32	Betco Advanced Alcohol Gel Sanitizer x 18	1 Gal	U	Ethanol/(64-17-5)	0.0	Y

* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D).

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

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

Preparer's Name Brian Kenneally Date/Time Prepared 11/7/2023

Preparer's Affiliation Environmental Consultant Phone No. (516) 282-6708

Purpose of Investigation Sub-Slab Soil Vapor Testing - Lot 16

1. OCCUPANT:

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

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

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

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

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

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

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Grocery Store

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

Other characteristics:

Number of floors 1 Building age At least 57 years

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

4. AIRFLOW

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

Airflow between floors

There are two stairways leading from the first floor to the basement in the northern part of the building, allowing for airflow between the basement and first floor.

Airflow near source

The stairway in the northwest part of the building is about 20 feet north of sub-slab vapor sample SVI_SSV04.

Outdoor air infiltration

Outdoor air can infiltrate from the automatic sliding door entrance at the southwest corner of the building and the loading dock garage door in the western part of the site.

Infiltration into air ducts

Infiltration is possible through the building's air conditioning.

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

a. Above grade construction:	wood frame	(concrete)	stone	brick
b. Basement type:	(full)	crawlspace	slab	other _____
c. Basement floor:	(concrete)	dirt	stone	other _____
d. Basement floor:	(uncovered)	covered	covered with _____	
e. Concrete floor:	unsealed	(sealed)	sealed with Partially with observed paint	
f. Foundation walls:	poured	(block)	stone	other _____
g. Foundation walls:	unsealed	(sealed)	sealed with Painted	
h. The basement is:	wet	damp	(dry)	moldy
i. The basement is:	finished	unfinished	(partially finished)	
j. Sump present?	Y / (N)			
k. Water in sump?	Y / N / (not applicable)			

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

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

Floor drains in basement, no major cracks.

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

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

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

The primary type of fuel used is:

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

Domestic hot water tank fueled by: _____

Boiler/furnace located in: Basement Outdoors Main Floor Other Unknown

Air conditioning: (Central Air) Window units Open Windows None

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

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

Air ducts not observed in basement

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Grocery store product storage.
1st Floor	Grocery store.
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

If yes, what types of solvents are used? _____

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

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

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

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

9. WATER AND SEWAGE

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

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: NA

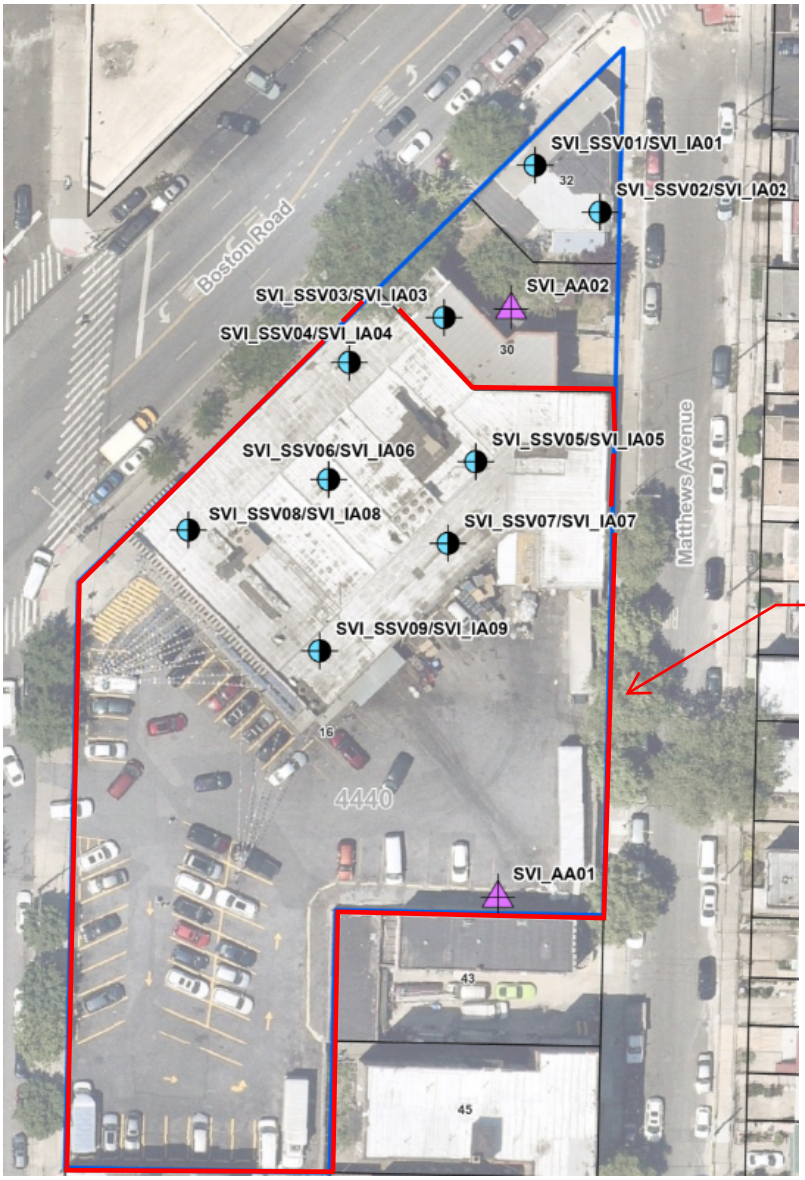
b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

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

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

11. FLOOR PLANS

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



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

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

Preparer's Name Brian Kenneally Date/Time Prepared 11/7/2023

Preparer's Affiliation Environmental Consultant Phone No. (516) 282-6708

Purpose of Investigation Sub-Slab Soil Vapor Testing - Lot 30

1. OCCUPANT:

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

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

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

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

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

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

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Vacant

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

Other characteristics:

Number of floors 2 Building age 94 years

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

4. AIRFLOW

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

Airflow between floors

There is one stairway allowing for airflow between the basement and first floor.

Airflow near source

The stairway in the northwest part of the building is about 20 feet south of sub-slab vapor sample SVI_SSV03.

Outdoor air infiltration

Outdoor air can infiltrate from the garage door in the eastern part of the site and basement windows.

Infiltration into air ducts

No air ducts observed.

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

a. Above grade construction:	(wood frame)	concrete	stone	brick
b. Basement type:	(full)	crawlspace	slab	other _____
c. Basement floor:	(concrete)	dirt	stone	other _____
d. Basement floor:	(uncovered)	covered	covered with _____	
e. Concrete floor:	(unsealed)	sealed	sealed with _____	
f. Foundation walls:	(poured)	block	(stone)	other _____
g. Foundation walls:	(unsealed)	sealed	sealed with _____	
h. The basement is:	wet	damp	(dry)	moldy
i. The basement is:	finished	(unfinished)	partially finished	
j. Sump present?	Y / (N)			
k. Water in sump?	Y / N / (not applicable)			

Basement/Lowest level depth below grade: 10 (feet)

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

Minor cracks observed in concrete.

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

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

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

The primary type of fuel used is:

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

Domestic hot water tank fueled by: _____

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other Unknown
Air conditioning:	Central Air	Window units	Open Windows	(None)

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

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

Air ducts not observed in basement

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	The building is currently vacant, however the owner uses the cellar space of the building for storage and for wood working
1st Floor	
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

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

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

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

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

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

f. Is there a workshop or hobby/craft area? (Y) / N Where & Type? Woodworking shop in western part of the building's cellar

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

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

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

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

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

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

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

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

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

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

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

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

If yes, what types of solvents are used? _____

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

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

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

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

9. WATER AND SEWAGE

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

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: NA

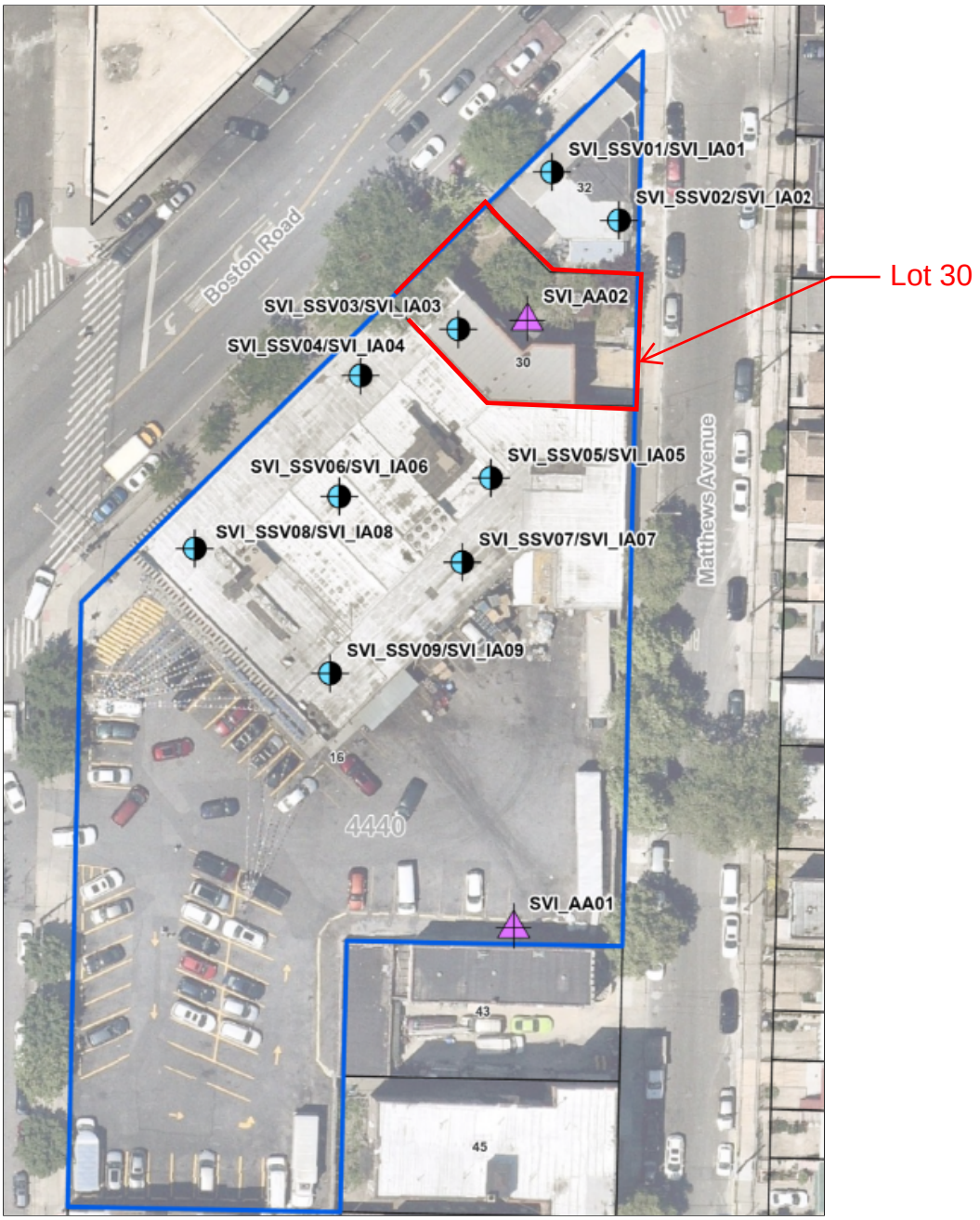
b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

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

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

11. FLOOR PLANS

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



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

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

Preparer's Name Brian Kenneally Date/Time Prepared 11/7/2023

Preparer's Affiliation Environmental Consultant Phone No. (516) 282-6708

Purpose of Investigation Sub-Slab Soil Vapor Testing - Lot 32

1. OCCUPANT:

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

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

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

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

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

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

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Commercial Office

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

Other characteristics:

Number of floors 1 Building age 89 years

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

4. AIRFLOW

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

Airflow between floors

There is one hatch between the partial basement and first floor. It is typically closed.

Airflow near source

Sub-slab vapor sample SVI_SSV02 located next to roll-up garage door (closed during sampling).

Outdoor air infiltration

Outdoor air can infiltrate from the garage door in the eastern part of the site and basement windows.

Infiltration into air ducts

No air ducts observed.

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

a. Above grade construction:	(wood frame)	concrete	stone	brick
b. Basement type:	full	(crawlspace)	slab	other _____
c. Basement floor:	(concrete)	dirt	stone	other _____
d. Basement floor:	(uncovered)	covered	covered with _____	
e. Concrete floor:	(unsealed)	sealed	sealed with _____	
f. Foundation walls:	poured	(block)	stone	other _____
g. Foundation walls:	(unsealed)	sealed	sealed with _____	
h. The basement is:	wet	damp	(dry)	moldy
i. The basement is:	finished	(unfinished)	partially finished	
j. Sump present?	Y / (N)			
k. Water in sump?	Y / N / (not applicable)			

Basement/Lowest level depth below grade: 6 (feet)

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

Soil observed on basement floor on top of concrete.

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

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

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

The primary type of fuel used is:

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

Domestic hot water tank fueled by: _____

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other Unknown
Air conditioning:	(Central Air)	Window units	Open Windows	None

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

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

Air ducts not observed in basement or garage.

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Crawlspace.
1st Floor	Office space.
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

If yes, what types of solvents are used? _____

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

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

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

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

9. WATER AND SEWAGE

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

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: NA

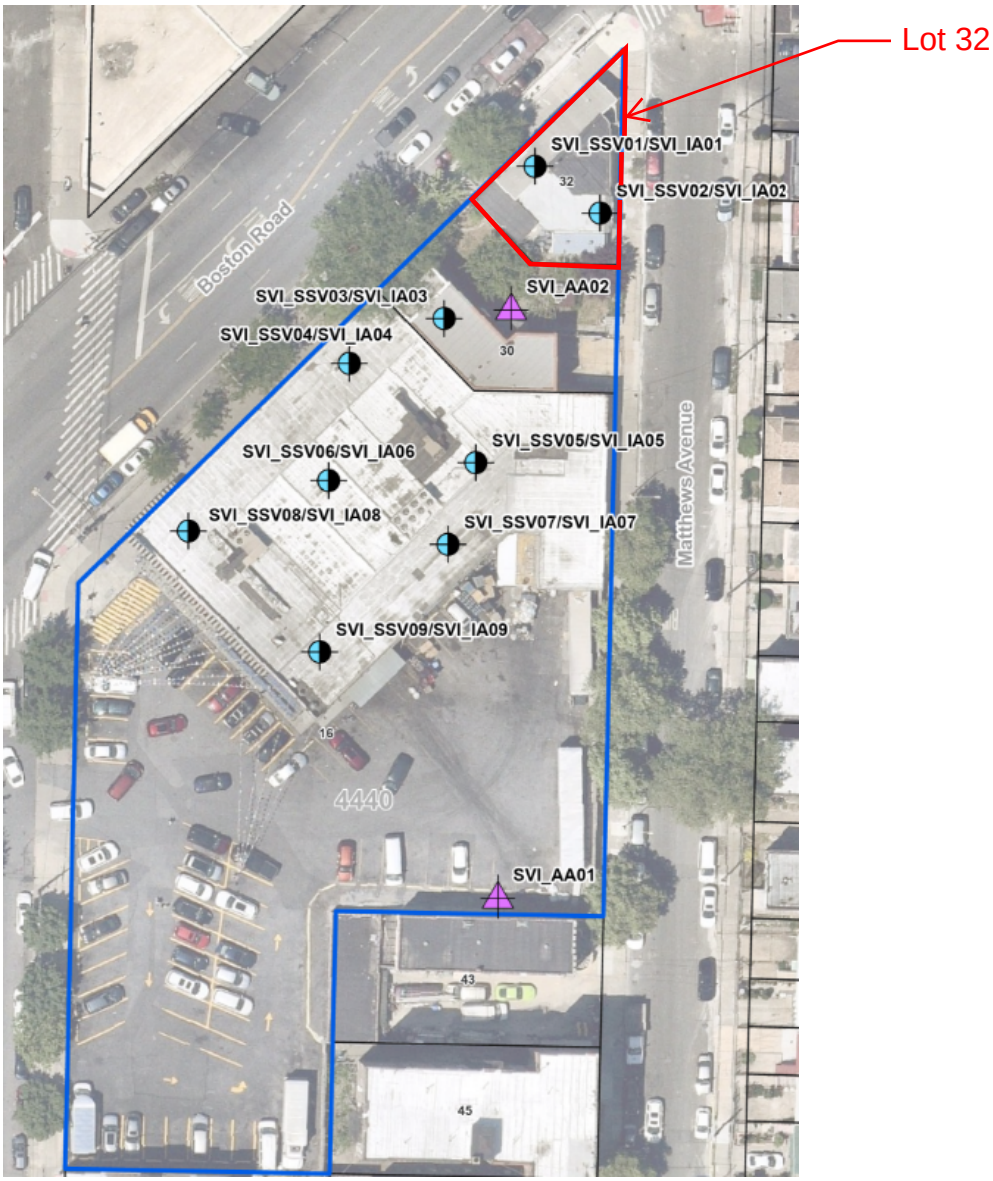
b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

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

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

11. FLOOR PLANS

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



APPENDIX C

SUB-SLAB VAPOR AND INDOOR AIR CONSTRUCTION AND SAMPLING LOGS

SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SVI_SSV01_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201	
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: Brian Kenneally	**INSTALLATION DATE STARTED:** 11/7/2023	**DATE FINISHED:** 11/7/2023
INSTALLATION FOREMAN: Brian Kenneally	**SAMPLE DATE STARTED:** 11/8/2023	**DATE FINISHED:** 11/8/2023
INSTALLATION EQUIPMENT: Bosch Rotary Hammer Drill	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
INSPECTOR: Brian Kenneally	**SAMPLER:** Brian Kenneally	
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 42 - 52 Degrees Farenheit Wind: N 6 mph Precipitation: None Pressure: 30.35 inHg	

METHOD OF INSTALLATION AND PURGING:

Langan advanced a Bosch Rotary Hammer Drill to about three inches beneath the concrete slab. The sub-slab vapor point consisted of a 1/4-inch teflon-lined polyethylene tubing that was inserted at a depth of two inches below the bottom of the concrete slab. Langan field screened the sample location with a MultiRAE prior to sampling. The sample consisted of a 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation. Prior to sampling, the tubing was connected to the vapor point and sealed with bentonite to grade. The vapor point was purged using a MultiRAE. Before and after sampling the seal integrity at each sampling point was confirmed using helium tracer gas.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 1/2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** None

PURGE VOLUME (L):	N/A
PURGE FLOW RATE (ML/MIN):	N/A
PID AFTER PURGE (PPM):	0

HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	17.4%	16.3%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%

SAMPLE START TIME:	9:49
SAMPLE STOP TIME:	16:57
TOTAL SAMPLE TIME (MIN):	428
REGULATOR FLOW RATE (L/MIN):	0.0045
VOLUME OF SAMPLE (LITERS):	1.926
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	2776
REGULATOR SERIAL NUMBER:	1372
CAN START VACUUM PRESS. (" HG):	-30.26
CAN STOP VACUUM PRESS. (" HG):	-6.71

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (INCHES FROM SURFACE)**	**NOTES**
SURFACE / SURFACE		
Top of Seal	0.0	
Top of Pack	0.0	
Tube Depth	2	

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

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SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SVI_SSV02_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201	
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: Brian Kenneally	**INSTALLATION DATE STARTED:** 11/7/2023	**DATE FINISHED:** 11/7/2023
INSTALLATION FOREMAN: Brian Kenneally	**SAMPLE DATE STARTED:** 11/9/2023	**DATE FINISHED:** 11/9/2023
INSTALLATION EQUIPMENT: Bosch Rotary Hammer Drill	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
INSPECTOR: Brian Kenneally	**SAMPLER:** Brian Kenneally	
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 40 - 59 Degrees Farenheit Wind: SE 4 mph Precipitation: None Pressure: 30.35 inHg	

METHOD OF INSTALLATION AND PURGING:

Langan advanced a Bosch Rotary Hammer Drill to about three inches beneath the concrete slab. The sub-slab vapor point consisted of a 1/4-inch teflon-lined polyethylene tubing that was inserted at a depth of two inches below the bottom of the concrete slab. Langan field screened the sample location with a MultiRAE prior to sampling. The sample consisted of a 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation. Prior to sampling, the tubing was connected to the vapor point and sealed with bentonite to grade. The vapor point was purged using a MultiRAE. Before and after sampling the seal integrity at each sampling point was confirmed using helium tracer gas.

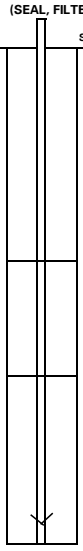
TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 1/2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** None

PURGE VOLUME (L):	N/A
PURGE FLOW RATE (ML/MIN):	N/A
PID AFTER PURGE (PPM):	0

HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	18.5%	16.7%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%

SAMPLE START TIME:	9:30
SAMPLE STOP TIME:	16:40
TOTAL SAMPLE TIME (MIN):	430
REGULATOR FLOW RATE (L/MIN):	0.0045
VOLUME OF SAMPLE (LITERS):	1.935
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	572
REGULATOR SERIAL NUMBER:	1119
CAN START VACUUM PRESS. (" HG):	-29.98
CAN STOP VACUUM PRESS. (" HG):	-6.51

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



	DEPTH (INCHES FROM SURFACE)	**NOTES**
Top of Seal	0.0	
Top of Pack	0.0	
Tube Depth	2	

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

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SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SVI_SSV03_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201	
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: Brian Kenneally	**INSTALLATION DATE STARTED:** 11/7/2023	**DATE FINISHED:** 11/7/2023
INSTALLATION FOREMAN: Brian Kenneally	**SAMPLE DATE STARTED:** 11/9/2023	**DATE FINISHED:** 11/9/2023
INSTALLATION EQUIPMENT: Bosch Rotary Hammer Drill	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
INSPECTOR: Brian Kenneally	**SAMPLER:** Brian Kenneally	
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 40 - 59 Degrees Farenheit Wind: SE 4 mph Precipitation: None Pressure: 30.35 inHg	

METHOD OF INSTALLATION AND PURGING:

Langan advanced a Bosch Rotary Hammer Drill to about three inches beneath the concrete slab. The sub-slab vapor point consisted of a 1/4-inch teflon-lined polyethylene tubing that was inserted at a depth of two inches below the bottom of the concrete slab. Langan field screened the sample location with a MultiRAE prior to sampling. The sample consisted of a 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation. Prior to sampling, the tubing was connected to the vapor point and sealed with bentonite to grade. The vapor point was purged using a MultiRAE. Before and after sampling the seal integrity at each sampling point was confirmed using helium tracer gas.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 1/2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** None

PURGE VOLUME (L):	N/A
PURGE FLOW RATE (ML/MIN):	N/A
PID AFTER PURGE (PPM):	0

HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	17.2%	16.8%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%

SAMPLE START TIME:	8:19
SAMPLE STOP TIME:	16:09
TOTAL SAMPLE TIME (MIN):	470
REGULATOR FLOW RATE (L/MIN):	0.0045
VOLUME OF SAMPLE (LITERS):	2.115
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	1952
REGULATOR SERIAL NUMBER:	2249
CAN START VACUUM PRESS. (" HG):	-30.09
CAN STOP VACUUM PRESS. (" HG):	-5.79

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (INCHES FROM SURFACE)**	**NOTES**
SURFACE / SURFACE		
Top of Seal	0.0	
Top of Pack	0.0	
Tube Depth	2	

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SVI_SSV04_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201	
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: Brian Kenneally	**INSTALLATION DATE STARTED:** 11/7/2023	**DATE FINISHED:** 11/7/2023
INSTALLATION FOREMAN: Brian Kenneally	**SAMPLE DATE STARTED:** 11/8/2023	**DATE FINISHED:** 11/8/2023
INSTALLATION EQUIPMENT: Bosch Rotary Hammer Drill	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
INSPECTOR: Brian Kenneally	**SAMPLER:** Brian Kenneally	
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 42 - 52 Degrees Farenheit Wind: N 6 mph Precipitation: None Pressure: 30.35 inHg	

METHOD OF INSTALLATION AND PURGING:

Langan advanced a Bosch Rotary Hammer Drill to about three inches beneath the concrete slab. The sub-slab vapor point consisted of a 1/4-inch teflon-lined polyethylene tubing that was inserted at a depth of two inches below the bottom of the concrete slab. Langan field screened the sample location with a MultiRAE prior to sampling. The sample consisted of a 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation. Prior to sampling, the tubing was connected to the vapor point and sealed with bentonite to grade. The vapor point was purged using a MultiRAE. Before and after sampling the seal integrity at each sampling point was confirmed using helium tracer gas.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 1/2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** None

PURGE VOLUME (L):	N/A
PURGE FLOW RATE (ML/MIN):	N/A
PID AFTER PURGE (PPM):	0

HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	17.1%	15.7%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%

SAMPLE START TIME:	8:15
SAMPLE STOP TIME:	15:42
TOTAL SAMPLE TIME (MIN):	447
REGULATOR FLOW RATE (L/MIN):	0.0045
VOLUME OF SAMPLE (LITERS):	2.0115
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	390
REGULATOR SERIAL NUMBER:	256
CAN START VACUUM PRESS. (" HG):	-30.08
CAN STOP VACUUM PRESS. (" HG):	-5.45

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (INCHES FROM SURFACE)**	**NOTES**
SURFACE / SURFACE		
Top of Seal	0.0	
Top of Pack	0.0	
Tube Depth	2	

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SVI_SSV05_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201	
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: Brian Kenneally	**INSTALLATION DATE STARTED:** 11/7/2023	**DATE FINISHED:** 11/7/2023
INSTALLATION FOREMAN: Brian Kenneally	**SAMPLE DATE STARTED:** 11/8/2023	**DATE FINISHED:** 11/8/2023
INSTALLATION EQUIPMENT: Bosch Rotary Hammer Drill	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
INSPECTOR: Brian Kenneally	**SAMPLER:** Brian Kenneally	
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 42 - 52 Degrees Farenheit Wind: N 6 mph Precipitation: None Pressure: 30.35 inHg	

METHOD OF INSTALLATION AND PURGING:

Langan advanced a Bosch Rotary Hammer Drill to about three inches beneath the concrete slab. The sub-slab vapor point consisted of a 1/4-inch teflon-lined polyethylene tubing that was inserted at a depth of two inches below the bottom of the concrete slab. Langan field screened the sample location with a MultiRAE prior to sampling. The sample consisted of a 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation. Prior to sampling, the tubing was connected to the vapor point and sealed with bentonite to grade. The vapor point was purged using a MultiRAE. Before and after sampling the seal integrity at each sampling point was confirmed using helium tracer gas.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 1/2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** None

PURGE VOLUME (L):	N/A	
PURGE FLOW RATE (ML/MIN):	N/A	
PID AFTER PURGE (PPM):	0	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	16.7%	17.3%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%
SAMPLE START TIME:	8:28	
SAMPLE STOP TIME:	15:54	
TOTAL SAMPLE TIME (MIN):	446	
REGULATOR FLOW RATE (L/MIN):	0.0045	
VOLUME OF SAMPLE (LITERS):	2.007	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	2583	
REGULATOR SERIAL NUMBER:	29	
CAN START VACUUM PRESS. (" HG):	-30.28	
CAN STOP VACUUM PRESS. (" HG):	-4.59	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (INCHES FROM SURFACE)**	**NOTES**
SURFACE / SURFACE		
Top of Seal	0.0	
Top of Pack	0.0	
Tube Depth	2	

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SVI_SSV06_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201	
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: Brian Kenneally	**INSTALLATION DATE STARTED:** 11/7/2023	**DATE FINISHED:** 11/7/2023
INSTALLATION FOREMAN: Brian Kenneally	**SAMPLE DATE STARTED:** 11/8/2023	**DATE FINISHED:** 11/8/2023
INSTALLATION EQUIPMENT: Bosch Rotary Hammer Drill	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
INSPECTOR: Brian Kenneally	**SAMPLER:** Brian Kenneally	
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 42 - 52 Degrees Farenheit Wind: N 6 mph Precipitation: None Pressure: 30.35 inHg	

METHOD OF INSTALLATION AND PURGING:

Langan advanced a Bosch Rotary Hammer Drill to about three inches beneath the concrete slab. The sub-slab vapor point consisted of a 1/4-inch teflon-lined polyethylene tubing that was inserted at a depth of two inches below the bottom of the concrete slab. Langan field screened the sample location with a MultiRAE prior to sampling. The sample consisted of a 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation. Prior to sampling, the tubing was connected to the vapor point and sealed with bentonite to grade. The vapor point was purged using a MultiRAE. Before and after sampling the seal integrity at each sampling point was confirmed using helium tracer gas.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 1/2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** None

PURGE VOLUME (L):	N/A
PURGE FLOW RATE (ML/MIN):	N/A
PID AFTER PURGE (PPM):	0

HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	17.0%	15.6%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%

SAMPLE START TIME:	8:56
SAMPLE STOP TIME:	16:06
TOTAL SAMPLE TIME (MIN):	430
REGULATOR FLOW RATE (L/MIN):	0.0045
VOLUME OF SAMPLE (LITERS):	1.935
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	940
REGULATOR SERIAL NUMBER:	279
CAN START VACUUM PRESS. (" HG):	-30.54
CAN STOP VACUUM PRESS. (" HG):	-5.8

SAMPLE LOCATION SKETCH

See Sample Location Plan

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (INCHES FROM SURFACE)**	**NOTES**
SURFACE / SURFACE		
Top of Seal	0.0	
Top of Pack	0.0	
Tube Depth	2	

NOTES

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SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SVI_SSV07_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201	
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: Brian Kenneally	**INSTALLATION DATE STARTED:** 11/7/2023	**DATE FINISHED:** 11/7/2023
INSTALLATION FOREMAN: Brian Kenneally	**SAMPLE DATE STARTED:** 11/8/2023	**DATE FINISHED:** 11/8/2023
INSTALLATION EQUIPMENT: Bosch Rotary Hammer Drill	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
INSPECTOR: Brian Kenneally	**SAMPLER:** Brian Kenneally	
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 42 - 52 Degrees Farenheit Wind: N 6 mph Precipitation: None Pressure: 30.35 inHg	

METHOD OF INSTALLATION AND PURGING:

Langan advanced a Bosch Rotary Hammer Drill to about three inches beneath the concrete slab. The sub-slab vapor point consisted of a 1/4-inch teflon-lined polyethylene tubing that was inserted at a depth of two inches below the bottom of the concrete slab. Langan field screened the sample location with a MultiRAE prior to sampling. The sample consisted of a 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation. Prior to sampling, the tubing was connected to the vapor point and sealed with bentonite to grade. The vapor point was purged using a MultiRAE. Before and after sampling the seal integrity at each sampling point was confirmed using helium tracer gas.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 1/2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** None

PURGE VOLUME (L):	N/A	
PURGE FLOW RATE (ML/MIN):	N/A	
PID AFTER PURGE (PPM):	0	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	16.4%	17.9%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%
SAMPLE START TIME:	8:40	
SAMPLE STOP TIME:	16:00	
TOTAL SAMPLE TIME (MIN):	440	
REGULATOR FLOW RATE (L/MIN):	0.0045	
VOLUME OF SAMPLE (LITERS):	1.98	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	369	
REGULATOR SERIAL NUMBER:	756	
CAN START VACUUM PRESS. (" HG):	-30.21	
CAN STOP VACUUM PRESS. (" HG):	-3.87	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (INCHES FROM SURFACE)**	**NOTES**
SURFACE / SURFACE		
Top of Seal	0.0	
Top of Pack	0.0	
Tube Depth	2	

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

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SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SVI_SSV08_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201	
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: Brian Kenneally	**INSTALLATION DATE STARTED:** 11/7/2023	**DATE FINISHED:** 11/7/2023
INSTALLATION FOREMAN: Brian Kenneally	**SAMPLE DATE STARTED:** 11/8/2023	**DATE FINISHED:** 11/8/2023
INSTALLATION EQUIPMENT: Bosch Rotary Hammer Drill	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
INSPECTOR: Brian Kenneally	**SAMPLER:** Brian Kenneally	
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 42 - 52 Degrees Farenheit Wind: N 6 mph Precipitation: None Pressure: 30.35 inHg	

METHOD OF INSTALLATION AND PURGING:

Langan advanced a Bosch Rotary Hammer Drill to about three inches beneath the concrete slab. The sub-slab vapor point consisted of a 1/4-inch teflon-lined polyethylene tubing that was inserted at a depth of two inches below the bottom of the concrete slab. Langan field screened the sample location with a MultiRAE prior to sampling. The sample consisted of a 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation. Prior to sampling, the tubing was connected to the vapor point and sealed with bentonite to grade. The vapor point was purged using a MultiRAE. Before and after sampling the seal integrity at each sampling point was confirmed using helium tracer gas.

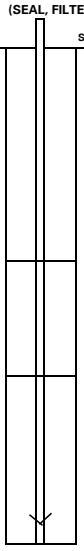
TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 1/2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** None

PURGE VOLUME (L):	N/A
PURGE FLOW RATE (ML/MIN):	N/A
PID AFTER PURGE (PPM):	0

HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	16.9%	16.5%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%

SAMPLE START TIME:	9:08
SAMPLE STOP TIME:	16:20
TOTAL SAMPLE TIME (MIN):	432
REGULATOR FLOW RATE (L/MIN):	0.0045
VOLUME OF SAMPLE (LITERS):	1.944
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	2732
REGULATOR SERIAL NUMBER:	1817
CAN START VACUUM PRESS. (" HG):	-30.62
CAN STOP VACUUM PRESS. (" HG):	-6.1

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



	DEPTH (INCHES FROM SURFACE)	**NOTES**
Top of Seal	0.0	
Top of Pack	0.0	
Tube Depth	2	

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

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SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SVI_SSV09_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201	
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: Brian Kenneally	**INSTALLATION DATE STARTED:** 11/7/2023	**DATE FINISHED:** 11/7/2023
INSTALLATION FOREMAN: Brian Kenneally	**SAMPLE DATE STARTED:** 11/8/2023	**DATE FINISHED:** 11/8/2023
INSTALLATION EQUIPMENT: Bosch Rotary Hammer Drill	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
INSPECTOR: Brian Kenneally	**SAMPLER:** Brian Kenneally	
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 42 - 52 Degrees Farenheit Wind: N 6 mph Precipitation: None Pressure: 30.35 inHg	

METHOD OF INSTALLATION AND PURGING:

Langan advanced a Bosch Rotary Hammer Drill to about three inches beneath the concrete slab. The sub-slab vapor point consisted of a 1/4-inch teflon-lined polyethylene tubing that was inserted at a depth of two inches below the bottom of the concrete slab. Langan field screened the sample location with a MultiRAE prior to sampling. The sample consisted of a 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation. Prior to sampling, the tubing was connected to the vapor point and sealed with bentonite to grade. The vapor point was purged using a MultiRAE. Before and after sampling the seal integrity at each sampling point was confirmed using helium tracer gas.

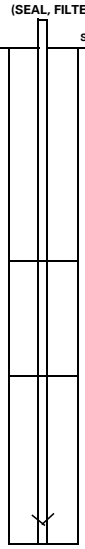
TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 1/2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** None

PURGE VOLUME (L):	N/A
PURGE FLOW RATE (ML/MIN):	N/A
PID AFTER PURGE (PPM):	0

HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	17.2%	15.4%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%

SAMPLE START TIME:	8:17
SAMPLE STOP TIME:	16:32
TOTAL SAMPLE TIME (MIN):	495
REGULATOR FLOW RATE (L/MIN):	0.0045
VOLUME OF SAMPLE (LITERS):	2.2275
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	2575
REGULATOR SERIAL NUMBER:	1121
CAN START VACUUM PRESS. (" HG):	-30.02
CAN STOP VACUUM PRESS. (" HG):	-6.46

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



DEPTH (INCHES FROM SURFACE)	**NOTES**
0.0	
0.0	
2	

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

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AIR SAMPLING LOG SHEET

Sample Number: SVI_IA01_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201		
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A		
SAMPLER: Brian Kenneally	**SAMPLE DATE STARTED:** 11/8/2023	**DATE FINISHED:** 11/8/2023	
INSPECTOR: Brian Kenneally	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister		
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**		
	Temp:	42 - 52 Degrees Farenheit	
	Wind:	N 6 mph	
	Precipitation:	None	
	Pressure:	30.35 inHg	

METHOD OF INSTALLATION AND SAMPLING:

Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. The sample consisted of 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS		SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT):	3	**See Sample Location Plan**
PID BEFORE SAMPLE (PPM):	0.0	
SAMPLE START TIME:	9:53	
SAMPLE STOP TIME:	16:56	
TOTAL SAMPLE TIME (MIN):	423	
REGULATOR FLOW RATE (L/MIN):	0.0045	
VOLUME OF SAMPLE (LITERS):	1.9035	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	3253	
REGULATOR SERIAL NUMBER:	2002	
CAN START VACUUM PRESS. (" HG):	-30.23	
CAN STOP VACUUM PRESS. (" HG):	-5.99	

NOTES

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AIR SAMPLING LOG SHEET

Sample Number: SVI_IA02_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201		
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A		
SAMPLER: Brian Kenneally	**SAMPLE DATE STARTED:** 11/9/2023	**DATE FINISHED:** 11/9/2023	
INSPECTOR: Brian Kenneally	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister		
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**		
	Temp:	40 - 59 Degrees Farenheit	
	Wind:	SE 4 mph	
	Precipitation:	None	
	Pressure:	30.35 inHg	

METHOD OF INSTALLATION AND SAMPLING:

Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. The sample consisted of 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS		SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT):	3	**See Sample Location Plan**
PID BEFORE SAMPLE (PPM):	0.0	
SAMPLE START TIME:	9:25	
SAMPLE STOP TIME:	16:36	
TOTAL SAMPLE TIME (MIN):	431	
REGULATOR FLOW RATE (L/MIN):	0.0045	
VOLUME OF SAMPLE (LITERS):	1.9395	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	560	
REGULATOR SERIAL NUMBER:	1623	
CAN START VACUUM PRESS. (" HG):	-30.04	
CAN STOP VACUUM PRESS. (" HG):	-3.52	

NOTES

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AIR SAMPLING LOG SHEET

Sample Number: SVI_IA03_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201		
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A		
SAMPLER: Brian Kenneally	**SAMPLE DATE STARTED:** 11/9/2023	**DATE FINISHED:** 11/9/2023	
INSPECTOR: Brian Kenneally	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister		
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**		
	Temp:	40 - 59 Degrees Farenheit	
	Wind:	SE 4 mph	
	Precipitation:	None	
	Pressure:	30.35 inHg	

METHOD OF INSTALLATION AND SAMPLING:

Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. The sample consisted of 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS		SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT):	3	**See Sample Location Plan**
PID BEFORE SAMPLE (PPM):	0.0	
SAMPLE START TIME:	8:15	
SAMPLE STOP TIME:	16:02	
TOTAL SAMPLE TIME (MIN):	407	
REGULATOR FLOW RATE (L/MIN):	0.0045	
VOLUME OF SAMPLE (LITERS):	1.8315	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	2457	
REGULATOR SERIAL NUMBER:	816	
CAN START VACUUM PRESS. (" HG):	-30.39	
CAN STOP VACUUM PRESS. (" HG):	-5.59	

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AIR SAMPLING LOG SHEET

Sample Number: SVI_IA04_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201		
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A		
SAMPLER: Brian Kenneally	**SAMPLE DATE STARTED:** 11/8/2023	**DATE FINISHED:** 11/8/2023	
INSPECTOR: Brian Kenneally	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister		
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**		
	Temp:	42 - 52 Degrees Farenheit	
	Wind:	N 6 mph	
	Precipitation:	None	
	Pressure:	30.35 inHg	

METHOD OF INSTALLATION AND SAMPLING:

Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. The sample consisted of 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS		SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT):	3	**See Sample Location Plan**
PID BEFORE SAMPLE (PPM):	0.0	
SAMPLE START TIME:	8:16	
SAMPLE STOP TIME:	15:49	
TOTAL SAMPLE TIME (MIN):	453	
REGULATOR FLOW RATE (L/MIN):	0.0045	
VOLUME OF SAMPLE (LITERS):	2.0385	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	416	
REGULATOR SERIAL NUMBER:	124	
CAN START VACUUM PRESS. (" HG):	-30.47	
CAN STOP VACUUM PRESS. (" HG):	-5.66	

NOTES

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AIR SAMPLING LOG SHEET

Sample Number: SVI_IA05_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201		
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A		
SAMPLER: Brian Kenneally	**SAMPLE DATE STARTED:** 11/8/2023	**DATE FINISHED:** 11/8/2023	
INSPECTOR: Brian Kenneally	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister		
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**		
	Temp:	42 - 52 Degrees Farenheit	
	Wind:	N 6 mph	
	Precipitation:	None	
	Pressure:	30.35 inHg	

METHOD OF INSTALLATION AND SAMPLING:

Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. The sample consisted of 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS		SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT):	3	**See Sample Location Plan**
PID BEFORE SAMPLE (PPM):	0.0	
SAMPLE START TIME:	8:29	
SAMPLE STOP TIME:	15:55	
TOTAL SAMPLE TIME (MIN):	446	
REGULATOR FLOW RATE (L/MIN):	0.0045	
VOLUME OF SAMPLE (LITERS):	2.007	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	682	
REGULATOR SERIAL NUMBER:	424	
CAN START VACUUM PRESS. (" HG):	-30.33	
CAN STOP VACUUM PRESS. (" HG):	-4.96	

NOTES

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AIR SAMPLING LOG SHEET

Sample Number: SVI_IA06_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201		
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A		
SAMPLER: Brian Kenneally	**SAMPLE DATE STARTED:** 11/8/2023	**DATE FINISHED:** 11/8/2023	
INSPECTOR: Brian Kenneally	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister		
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**		
	Temp:	42 - 52 Degrees Farenheit	
	Wind:	N 6 mph	
	Precipitation:	None	
	Pressure:	30.35 inHg	

METHOD OF INSTALLATION AND SAMPLING:

Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. The sample consisted of 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS		SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT):	3	**See Sample Location Plan**
PID BEFORE SAMPLE (PPM):	0.0	
SAMPLE START TIME:	8:57	
SAMPLE STOP TIME:	16:10	
TOTAL SAMPLE TIME (MIN):	423	
REGULATOR FLOW RATE (L/MIN):	0.0045	
VOLUME OF SAMPLE (LITERS):	1.9035	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	3234	
REGULATOR SERIAL NUMBER:	546	
CAN START VACUUM PRESS. (" HG):	-30.47	
CAN STOP VACUUM PRESS. (" HG):	-6.17	

NOTES

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AIR SAMPLING LOG SHEET

Sample Number: SVI_IA07_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201		
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A		
SAMPLER: Brian Kenneally	**SAMPLE DATE STARTED:** 11/8/2023	**DATE FINISHED:** 11/8/2023	
INSPECTOR: Brian Kenneally	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister		
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**		
	Temp:	42 - 52 Degrees Farenheit	
	Wind:	N 6 mph	
	Precipitation:	None	
	Pressure:	30.35 inHg	

METHOD OF INSTALLATION AND SAMPLING:

Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. The sample consisted of 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS		SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT):	3	**See Sample Location Plan**
PID BEFORE SAMPLE (PPM):	0.0	
SAMPLE START TIME:	8:41	
SAMPLE STOP TIME:	16:01	
TOTAL SAMPLE TIME (MIN):	440	
REGULATOR FLOW RATE (L/MIN):	0.0045	
VOLUME OF SAMPLE (LITERS):	1.98	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	3228	
REGULATOR SERIAL NUMBER:	1478	
CAN START VACUUM PRESS. (" HG):	-30.43	
CAN STOP VACUUM PRESS. (" HG):	-4.97	

NOTES

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AIR SAMPLING LOG SHEET

Sample Number: SVI_IA08_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201		
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A		
SAMPLER: Brian Kenneally	**SAMPLE DATE STARTED:** 11/8/2023	**DATE FINISHED:** 11/8/2023	
INSPECTOR: Brian Kenneally	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister		
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**		
	Temp:	42 - 52 Degrees Farenheit	
	Wind:	N 6 mph	
	Precipitation:	None	
	Pressure:	30.35 inHg	

METHOD OF INSTALLATION AND SAMPLING:

Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. The sample consisted of 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS		SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT):	3	**See Sample Location Plan**
PID BEFORE SAMPLE (PPM):	0.0	
SAMPLE START TIME:	9:09	
SAMPLE STOP TIME:	16:13	
TOTAL SAMPLE TIME (MIN):	424	
REGULATOR FLOW RATE (L/MIN):	0.0045	
VOLUME OF SAMPLE (LITERS):	1.908	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	2285	
REGULATOR SERIAL NUMBER:	543	
CAN START VACUUM PRESS. (" HG):	-30.39	
CAN STOP VACUUM PRESS. (" HG):	-4.25	

NOTES

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AIR SAMPLING LOG SHEET

Sample Number: SVI_IA09_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201		
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A		
SAMPLER: Brian Kenneally	**SAMPLE DATE STARTED:** 11/8/2023	**DATE FINISHED:** 11/8/2023	
INSPECTOR: Brian Kenneally	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister		
POTENTIAL SAMPLE INTERFERENCES: See Chemical Product Inventory in Appendix B	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**		
	Temp:	42 - 52 Degrees Farenheit	
	Wind:	N 6 mph	
	Precipitation:	None	
	Pressure:	30.35 inHg	

METHOD OF INSTALLATION AND SAMPLING:

Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. The sample consisted of 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS		SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT):	3	**See Sample Location Plan**
PID BEFORE SAMPLE (PPM):	0.0	
SAMPLE START TIME:	9:18	
SAMPLE STOP TIME:	16:44	
TOTAL SAMPLE TIME (MIN):	446	
REGULATOR FLOW RATE (L/MIN):	0.0045	
VOLUME OF SAMPLE (LITERS):	2.007	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	1275	
REGULATOR SERIAL NUMBER:	1582	
CAN START VACUUM PRESS. (" HG):	-30.4	
CAN STOP VACUUM PRESS. (" HG):	-6.77	

NOTES

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AIR SAMPLING LOG SHEET

Sample Number: SVI_AA01_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201	
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A	
SAMPLER: Brian Kenneally	**SAMPLE DATE STARTED:** 11/8/2023	**DATE FINISHED:** 11/8/2023
INSPECTOR: Brian Kenneally	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
POTENTIAL SAMPLE INTERFERENCES: Vehicle emissions from active parking lot	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**	
	Temp:	42 - 52 Degrees Farenheit
	Wind:	N 6 mph
	Precipitation:	None
	Pressure:	30.35 inHg

METHOD OF INSTALLATION AND SAMPLING:

Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. The sample consisted of 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS

HEIGHT ABOVE GROUND (FT):	3
PID BEFORE SAMPLE (PPM):	0.0
SAMPLE START TIME:	7:53
SAMPLE STOP TIME:	15:21
TOTAL SAMPLE TIME (MIN):	448
REGULATOR FLOW RATE (L/MIN):	0.0045
VOLUME OF SAMPLE (LITERS):	2.016
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	415
REGULATOR SERIAL NUMBER:	1669
CAN START VACUUM PRESS. (" HG):	-30.51
CAN STOP VACUUM PRESS. (" HG):	-5.24

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

AIR SAMPLING LOG SHEET

Sample Number: SVI_AA02_110823

PROJECT: 2560-2580 Boston Road	**PROJECT NO.:** 170684201	
LOCATION: Bronx, NY	**SURFACE ELEVATION AND DATUM:** N/A	
SAMPLER: Brian Kenneally	**SAMPLE DATE STARTED:** 11/9/2023	**DATE FINISHED:** 11/9/2023
INSPECTOR: Brian Kenneally	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**	
	Temp:	40 - 59 Degrees Farenheit
	Wind:	SE 4 mph
	Precipitation:	None
	Pressure:	30.35 inHg

METHOD OF INSTALLATION AND SAMPLING:

Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. The sample consisted of 2.7-L Summa canister fitted with an 8-hr flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hr sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS

HEIGHT ABOVE GROUND (FT):	3
PID BEFORE SAMPLE (PPM):	0.0
SAMPLE START TIME:	7:59
SAMPLE STOP TIME:	15:45
TOTAL SAMPLE TIME (MIN):	466
REGULATOR FLOW RATE (L/MIN):	0.0045
VOLUME OF SAMPLE (LITERS):	2.097
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	492
REGULATOR SERIAL NUMBER:	837
CAN START VACUUM PRESS. (" HG):	-30.06
CAN STOP VACUUM PRESS. (" HG):	-5.05

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

APPENDIX D

LABORATORY ANALYTICAL REPORT

ANALYTICAL REPORT

Lab Number:	L2366599
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Lamees Esmail
Phone:	(212) 479-5717
Project Name:	2560-2580 BOSTON ROAD
Project Number:	170684201
Report Date:	04/17/24

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (99110) , NJ (MA015), NY (11627), NC (685), OH (CL106), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708), USFWS (Permit #A24920).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2366599-01	SVI_SSV01_110823	SOIL_VAPOR	BRONX, NY	11/08/23 16:57	11/08/23
L2366599-02	SVI_SSV04_110823	SOIL_VAPOR	BRONX, NY	11/08/23 15:42	11/08/23
L2366599-03	SVI_SSV05_110823	SOIL_VAPOR	BRONX, NY	11/08/23 15:54	11/08/23
L2366599-04	SVI_SSV06_110823	SOIL_VAPOR	BRONX, NY	11/08/23 16:06	11/08/23
L2366599-05	SVI_SSV07_110823	SOIL_VAPOR	BRONX, NY	11/08/23 16:00	11/08/23
L2366599-06	SVI_SSV08_110823	SOIL_VAPOR	BRONX, NY	11/08/23 16:20	11/08/23
L2366599-07	SVI_SSV09_110823	SOIL_VAPOR	BRONX, NY	11/08/23 16:32	11/08/23
L2366599-08	SVI_IA01_110823	AIR	BRONX, NY	11/08/23 16:56	11/08/23
L2366599-09	SVI_IA04_110823	AIR	BRONX, NY	11/08/23 15:49	11/08/23
L2366599-10	SVI_IA05_110823	AIR	BRONX, NY	11/08/23 15:55	11/08/23
L2366599-11	SVI_IA06_110823	AIR	BRONX, NY	11/08/23 16:10	11/08/23
L2366599-12	SVI_IA07_110823	AIR	BRONX, NY	11/08/23 16:01	11/08/23
L2366599-13	SVI_IA08_110823	AIR	BRONX, NY	11/08/23 16:13	11/08/23
L2366599-14	SVI_IA09_110823	AIR	BRONX, NY	11/08/23 16:44	11/08/23
L2366599-15	SVI_AA01_110823	AIR	BRONX, NY	11/08/23 15:21	11/08/23

Project Name:	2560-2580 BOSTON ROAD	**Lab Number:**	L2366599
Project Number:	170684201	**Report Date:**	04/17/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	2560-2580 BOSTON ROAD	**Lab Number:**	L2366599
Project Number:	170684201	**Report Date:**	04/17/24

Case Narrative (continued)

Report Revision

April 17, 2024 the report has been amended to report data for Naphthalene at the request of the client.

Report Revision

November 21, 2023 the report has been amended to report TICs at the request of the client.

Volatile Organics in Air

Canisters were released from the laboratory on November 1, 2023. The canister certification results are provided as an addendum.

Sample Receipt

The samples were logged in based on the Sample IDs listed on the canister tags and CoC. In all but two instances the canister ID numbers listed on the CoC did not match what was on the canister and canister tag with the sample ID.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 04/17/24

AIR

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-01
Client ID: SVI_SSV01_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:57
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/10/23 23:53
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.455	0.200	--	2.25	0.989	--		1
Chloromethane	0.242	0.200	--	0.500	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	19.8	5.00	--	37.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.40	1.00	--	12.8	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	2.30	0.500	--	5.65	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.524	0.500	--	1.82	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.26	0.200	--	3.92	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.20	0.500	--	3.54	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-01
Client ID: SVI_SSV01_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:57
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.00	0.200	--	4.88	0.977	--		1
Tetrahydrofuran	1.50	0.500	--	4.42	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.95	0.200	--	6.87	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.403	0.200	--	1.29	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.774	0.200	--	2.66	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	8.31	0.200	--	38.8	0.934	--		1
Heptane	0.702	0.200	--	2.88	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.56	0.200	--	5.88	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.384	0.200	--	2.60	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.305	0.200	--	1.32	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-01
Client ID: SVI_SSV01_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:57
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.10	0.400	--	4.78	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.444	0.200	--	1.93	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.473	0.200	--	2.33	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
D-Limonene	5.4	NJ	ppbV		1
Cyclopentane, Methyl-	3.3	NJ	ppbV		1
Pentane, 3-methyl-	7.6	NJ	ppbV		1
unknown siloxane	19	J	ppbV		1
Butane, 2,3-Dimethyl-	5.8	NJ	ppbV		1
Pentane, 2-methyl-	9.2	NJ	ppbV		1
.alpha.-Pinene	11	NJ	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

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Sample Location: BRONX, NY

Date Collected: 11/08/23 16:57
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Decane (C10)	2.3	NJ	ppbV		1
Pentane	5.6	NJ	ppbV		1
Unknown	2.1	J	ppbV		1
Cyclotrisiloxane, Hexamethyl-	12	NJ	ppbV		1
Methyl Alcohol	4.4	J	ppbV		1
unknown alkane	2.4	J	ppbV		1
Butane	3.9	NJ	ppbV		1
Pentane, 2,4-dimethyl-	3.2	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	97		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-02
Client ID: SVI_SSV04_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:42
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/11/23 00:32
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	2.73	0.200	--	13.5	0.989	--		1
Chloromethane	0.221	0.200	--	0.456	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	13.7	5.00	--	25.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	44.7	1.00	--	106	2.38	--		1
Trichlorofluoromethane	0.229	0.200	--	1.29	1.12	--		1
Isopropanol	0.712	0.500	--	1.75	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.973	0.500	--	3.38	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.94	0.200	--	6.04	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.40	0.500	--	4.13	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-02
Client ID: SVI_SSV04_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:42
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	16.4	0.200	--	80.1	0.977	--		1
Tetrahydrofuran	1.02	0.500	--	3.01	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.283	0.200	--	0.904	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.692	0.200	--	2.61	0.754	--		1
2-Hexanone	0.575	0.200	--	2.36	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.336	0.200	--	2.28	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-02
Client ID: SVI_SSV04_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:42
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.738	0.400	--	3.21	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.307	0.200	--	1.33	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.205	0.200	--	1.01	0.983	--		1
1,2,4-Trimethylbenzene	0.529	0.200	--	2.60	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Pentanal	1.5	NJ	ppbV		1
Cyclotrisiloxane, Hexamethyl-	2.1	NJ	ppbV		1
unknown siloxane	2.3	J	ppbV		1
Hexanal	4.6	NJ	ppbV		1
D-Limonene	2.0	NJ	ppbV		1
.alpha.-Pinene	1.1	NJ	ppbV		1
Pentane	28	NJ	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-02
Client ID: SVI_SSV04_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:42
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Butane	4.7	NJ	ppbV		1
Isobutane	13	NJ	ppbV		1
Methyl Alcohol	8.7	NJ	ppbV		1
unknown alkane	1.0	J	ppbV		1
Decane (C10)	2.3	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	106		60-140
chlorobenzene-d5	99		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-03
Client ID: SVI_SSV05_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:54
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/11/23 01:12
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	42.1	0.200	--	208	0.989	--		1
Chloromethane	0.451	0.200	--	0.931	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	7.99	5.00	--	15.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.20	1.00	--	14.7	2.38	--		1
Trichlorofluoromethane	0.304	0.200	--	1.71	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.660	0.500	--	2.29	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.349	0.200	--	1.09	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.728	0.500	--	2.15	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-03
Client ID: SVI_SSV05_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:54
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	22.8	0.200	--	111	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	1.66	0.200	--	9.06	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.270	0.200	--	1.02	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.65	0.200	--	11.2	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-03
Client ID: SVI_SSV05_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:54
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.533	0.200	--	2.62	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Methyl Alcohol	13	NJ	ppbV		1
Isobutane	3.4	NJ	ppbV		1
unknown benzene	1.9	J	ppbV		1
Pentane	3.5	NJ	ppbV		1
Propane	3.6	NJ	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-03
Client ID: SVI_SSV05_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:54
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	105		60-140
Bromochloromethane	109		60-140
chlorobenzene-d5	99		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-04
Client ID: SVI_SSV06_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:06
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/11/23 01:51
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	6.01	0.200	--	29.7	0.989	--		1
Chloromethane	0.256	0.200	--	0.529	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	12.2	5.00	--	23.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	29.8	1.00	--	70.8	2.38	--		1
Trichlorofluoromethane	0.283	0.200	--	1.59	1.12	--		1
Isopropanol	0.654	0.500	--	1.61	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.734	0.500	--	2.55	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.792	0.200	--	2.47	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.48	0.500	--	4.36	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-04
Client ID: SVI_SSV06_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:06
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	5.12	0.200	--	25.0	0.977	--		1
Tetrahydrofuran	0.560	0.500	--	1.65	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	0.467	0.200	--	2.55	1.09	--		1
Benzene	0.320	0.200	--	1.02	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.485	0.200	--	2.27	0.934	--		1
Heptane	0.318	0.200	--	1.30	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.723	0.200	--	2.72	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.456	0.200	--	3.09	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.228	0.200	--	0.990	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-04
Client ID: SVI_SSV06_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:06
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.894	0.400	--	3.88	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.397	0.200	--	1.72	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.327	0.200	--	1.61	0.983	--		1
1,2,4-Trimethylbenzene	0.759	0.200	--	3.73	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	3.5	J	ppbV		1
Decane (C10)	9.7	NJ	ppbV		1
unknown alkane	2.5	J	ppbV		1
Cyclotrisiloxane, Hexamethyl-	2.5	NJ	ppbV		1
Unknown	2.6	J	ppbV		1
Butane	5.5	NJ	ppbV		1
D-Limonene	3.3	NJ	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-04
Client ID: SVI_SSV06_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:06
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Isobutane	13	NJ	ppbV		1
Pentane	30	NJ	ppbV		1
unknown alkane	3.4	J	ppbV		1
Unknown	2.6	J	ppbV		1
unknown alkane	7.8	J	ppbV		1
Cyclohexane, butyl-	3.2	NJ	ppbV		1
Unknown	2.4	J	ppbV		1
Nonane, 2,6-dimethyl-	5.4	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	105		60-140
Bromochloromethane	109		60-140
chlorobenzene-d5	99		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-05
Client ID: SVI_SSV07_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:00
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/11/23 02:31
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	49.3	0.200	--	244	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.14	5.00	--	11.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	12.9	1.00	--	30.6	2.38	--		1
Trichlorofluoromethane	0.309	0.200	--	1.74	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.503	0.500	--	1.75	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.499	0.200	--	1.55	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-05
Client ID: SVI_SSV07_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:00
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	8.49	0.200	--	41.5	0.977	--		1
Tetrahydrofuran	0.886	0.500	--	2.61	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	1.83	0.200	--	9.98	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.16	0.200	--	7.87	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-05
Client ID: SVI_SSV07_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:00
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.211	0.200	--	1.04	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Isobutane	5.9	NJ	ppbV		1
Butane	1.8	NJ	ppbV		1
Methyl Alcohol	4.6	NJ	ppbV		1
Cyclotrisiloxane, Hexamethyl-	1.3	NJ	ppbV		1
Pentane	14	NJ	ppbV		1
unknown alkane	1.5	J	ppbV		1
Decane (C10)	1.8	NJ	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-05
Client ID: SVI_SSV07_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:00
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
unknown siloxane	1.1	J	ppbV		1
unknown alkane	1.0	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	106		60-140
chlorobenzene-d5	96		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-06
Client ID: SVI_SSV08_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:20
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/11/23 03:10
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.804	0.200	--	3.98	0.989	--		1
Chloromethane	0.346	0.200	--	0.715	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	153	5.00	--	288	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	29.2	1.00	--	69.4	2.38	--		1
Trichlorofluoromethane	0.231	0.200	--	1.30	1.12	--		1
Isopropanol	7.18	0.500	--	17.6	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.790	0.500	--	2.74	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.269	0.200	--	0.838	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.34	0.500	--	6.90	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-06
Client ID: SVI_SSV08_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:20
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	0.956	0.500	--	3.45	1.80	--		1
Chloroform	1.27	0.200	--	6.20	0.977	--		1
Tetrahydrofuran	1.52	0.500	--	4.48	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	9.00	0.200	--	31.7	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.612	0.200	--	1.96	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.212	0.200	--	1.14	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	3.75	0.200	--	15.4	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.10	0.200	--	4.15	0.754	--		1
2-Hexanone	0.380	0.200	--	1.56	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.590	0.200	--	4.00	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.308	0.200	--	1.34	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-06
Client ID: SVI_SSV08_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:20
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.582	0.400	--	2.53	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.252	0.200	--	1.07	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.275	0.200	--	1.19	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.271	0.200	--	1.33	0.983	--		1
1,2,4-Trimethylbenzene	0.577	0.200	--	2.84	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
2-Butene, 2-methyl-	4.4	NJ	ppbV		1
Unknown	1.8	J	ppbV		1
.alpha.-Pinene	2.1	NJ	ppbV		1
Unknown	2.4	J	ppbV		1
unknown alkane	2.8	J	ppbV		1
Hexane, 2-methyl-	2.0	NJ	ppbV		1
Hexane, 3-methyl-	2.8	NJ	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-06
Client ID: SVI_SSV08_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:20
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.8	J	ppbV		1
D-Limonene	8.4	NJ	ppbV		1
unknown alkane	2.7	J	ppbV		1
Butane	35	NJ	ppbV		1
Isobutane	32	NJ	ppbV		1
Pentane	86	NJ	ppbV		1
Pentane, 2-methyl-	5.8	NJ	ppbV		1
Pentane, 3-methyl-	6.2	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	107		60-140
chlorobenzene-d5	98		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-07
Client ID: SVI_SSV09_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:32
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/11/23 03:50
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.874	0.200	--	4.32	0.989	--		1
Chloromethane	0.389	0.200	--	0.803	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	72.2	5.00	--	136	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	151	1.00	--	359	2.38	--		1
Trichlorofluoromethane	0.245	0.200	--	1.38	1.12	--		1
Isopropanol	12.2	0.500	--	30.0	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.776	0.500	--	2.70	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.763	0.200	--	2.38	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	4.83	0.500	--	14.2	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-07
Client ID: SVI_SSV09_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:32
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.54	0.200	--	7.52	0.977	--		1
Tetrahydrofuran	2.05	0.500	--	6.05	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.254	0.200	--	0.811	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	0.211	0.200	--	0.760	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.264	0.200	--	1.08	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.691	0.200	--	2.60	0.754	--		1
2-Hexanone	0.583	0.200	--	2.39	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.571	0.200	--	3.87	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-07
Client ID: SVI_SSV09_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:32
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.664	0.400	--	2.88	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.310	0.200	--	1.32	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.293	0.200	--	1.27	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.300	0.200	--	1.47	0.983	--		1
1,2,4-Trimethylbenzene	0.771	0.200	--	3.79	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Cyclotrisiloxane, Hexamethyl-	1.5	NJ	ppbV		1
Naphthalene, decahydro-, tr...	1.0	NJ	ppbV		1
unknown alkane	1.2	J	ppbV		1
Butane	18	NJ	ppbV		1
D-Limonene	10	NJ	ppbV		1
Isobutane	27	NJ	ppbV		1
unknown alkane	1.7	J	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-07
Client ID: SVI_SSV09_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:32
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Methyl Alcohol	14	NJ	ppbV		1
unknown benzene	1.9	J	ppbV		1
Hexanal	1.1	NJ	ppbV		1
Pentane	76	NJ	ppbV		1
unknown alkane	2.2	J	ppbV		1
.beta.-Pinene	1.6	NJ	ppbV		1
.alpha.-Pinene	2.4	NJ	ppbV		1
Decane (C10)	2.8	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	107		60-140
chlorobenzene-d5	97		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-08
Client ID: SVI_IA01_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:56
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/10/23 18:37
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.440	0.200	--	2.18	0.989	--		1
Chloromethane	0.401	0.200	--	0.828	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	13.1	5.00	--	24.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.8	1.00	--	28.0	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	1.90	0.500	--	4.67	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.523	0.500	--	1.82	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	4.15	0.500	--	12.2	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-08
Client ID: SVI_IA01_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:56
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	10.3	0.500	--	30.4	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.50	0.200	--	5.29	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.409	0.200	--	1.31	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.595	0.200	--	2.05	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	6.12	0.200	--	28.6	0.934	--		1
Heptane	0.577	0.200	--	2.36	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.53	0.200	--	5.77	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.257	0.200	--	1.74	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.318	0.200	--	1.38	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-08
Client ID: SVI_IA01_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:56
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.17	0.400	--	5.08	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.401	0.200	--	1.74	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.419	0.200	--	2.06	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
unknown alkane	1.4	J	ppbV		1
Pentane, 2,4-dimethyl-	2.0	NJ	ppbV		1
Hexane, 3-methyl-	1.3	NJ	ppbV		1
unknown alkane	1.4	J	ppbV		1
Isobutane	1.6	NJ	ppbV		1
Pentane, 2,3,4-trimethyl-	1.6	NJ	ppbV		1
Pentane, 3-methyl-	4.8	NJ	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-08
Client ID: SVI_IA01_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:56
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Pentane, 2-methyl-	5.6	NJ	ppbV		1
Cyclohexane, methyl-	1.6	NJ	ppbV		1
Butane, 2,3-Dimethyl-	3.4	NJ	ppbV		1
Methyl Alcohol	2.2	NJ	ppbV		1
Butane	3.1	NJ	ppbV		1
Cyclopentane, Methyl-	2.4	NJ	ppbV		1
Pentane	3.8	NJ	ppbV		1
Difluorochloromethane	2.2	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	94		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-08
Client ID: SVI_IA01_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:56
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/10/23 18:37
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.078	0.020	--	0.426	0.109	--		1
Carbon tetrachloride	0.059	0.020	--	0.371	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.222	0.020	--	1.51	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-09
Client ID: SVI_IA04_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:49
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/10/23 19:16
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.536	0.200	--	2.65	0.989	--		1
Chloromethane	0.616	0.200	--	1.27	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	234	5.00	--	441	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.6	1.00	--	27.6	2.38	--		1
Trichlorofluoromethane	0.228	0.200	--	1.28	1.12	--		1
Isopropanol	9.64	0.500	--	23.7	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.866	0.500	--	3.01	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.790	0.500	--	2.33	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-09
Client ID: SVI_IA04_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:49
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	2.85	0.500	--	10.3	1.80	--		1
Chloroform	0.560	0.200	--	2.73	0.977	--		1
Tetrahydrofuran	4.80	0.500	--	14.2	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.344	0.200	--	1.10	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.232	0.200	--	0.951	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.680	0.200	--	2.56	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-09
Client ID: SVI_IA04_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:49
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.411	0.400	--	1.79	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.311	0.200	--	1.32	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Butane	18	NJ	ppbV		1
D-Limonene	8.9	NJ	ppbV		1
Isobutane	34	NJ	ppbV		1
unknown siloxane	2.9	J	ppbV		1
.alpha.-Pinene	2.0	NJ	ppbV		1
Pentane	100	NJ	ppbV		1
Cyclotrisiloxane, Hexamethyl-	2.8	NJ	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-09
Client ID: SVI_IA04_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:49
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Methyl Alcohol	13	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-09
Client ID: SVI_IA04_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:49
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/10/23 19:16
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.102	0.020	--	0.642	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.125	0.020	--	0.848	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	99		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-10
Client ID: SVI_IA05_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:55
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/10/23 19:56
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.542	0.200	--	2.68	0.989	--		1
Chloromethane	0.559	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	260	5.00	--	490	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	10.2	1.00	--	24.2	2.38	--		1
Trichlorofluoromethane	0.229	0.200	--	1.29	1.12	--		1
Isopropanol	8.46	0.500	--	20.8	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.671	0.500	--	1.98	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-10
Client ID: SVI_IA05_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:55
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	1.83	0.500	--	6.59	1.80	--		1
Chloroform	0.643	0.200	--	3.14	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.321	0.200	--	1.03	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.536	0.200	--	2.02	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-10
Client ID: SVI_IA05_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:55
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.331	0.200	--	1.41	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Butane	20	NJ	ppbV		1
Pentane	120	NJ	ppbV		1
.alpha.-Pinene	1.8	NJ	ppbV		1
D-Limonene	8.1	NJ	ppbV		1
Cyclotrisiloxane, Hexamethyl-	2.0	NJ	ppbV		1
Isobutane	40	NJ	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-10
Client ID: SVI_IA05_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:55
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-10
Client ID: SVI_IA05_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:55
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/10/23 19:56
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.118	0.020	--	0.742	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.127	0.020	--	0.861	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	100		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	97		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-11
Client ID: SVI_IA06_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:10
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/10/23 20:35
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.563	0.200	--	2.78	0.989	--		1
Chloromethane	0.602	0.200	--	1.24	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	247	5.00	--	465	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	12.7	1.00	--	30.2	2.38	--		1
Trichlorofluoromethane	0.228	0.200	--	1.28	1.12	--		1
Isopropanol	11.2	0.500	--	27.5	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.822	0.500	--	2.86	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.869	0.500	--	2.56	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-11
Client ID: SVI_IA06_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:10
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	1.72	0.500	--	6.20	1.80	--		1
Chloroform	0.840	0.200	--	4.10	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.332	0.200	--	1.06	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.260	0.200	--	1.07	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.703	0.200	--	2.65	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-11
Client ID: SVI_IA06_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:10
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.341	0.200	--	1.45	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Butane	21	NJ	ppbV		1
Pentane	99	NJ	ppbV		1
Hexanal	1.1	NJ	ppbV		1
Isobutane	34	NJ	ppbV		1
1R-.alpha.-Pinene	2.2	NJ	ppbV		1
D-Limonene	15	NJ	ppbV		1
Unknown	1.2	J	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-11
Client ID: SVI_IA06_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:10
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Methyl Alcohol	14	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	97		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-11
Client ID: SVI_IA06_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:10
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/10/23 20:35
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.135	0.020	--	0.849	0.126	--		1
Trichloroethene	0.020	0.020	--	0.107	0.107	--		1
Tetrachloroethene	0.138	0.020	--	0.936	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	101		60-140
bromochloromethane	103		60-140
chlorobenzene-d5	98		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-12
Client ID: SVI_IA07_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:01
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/10/23 21:15
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.565	0.200	--	2.79	0.989	--		1
Chloromethane	0.679	0.200	--	1.40	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	272	5.00	--	513	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.4	1.00	--	27.1	2.38	--		1
Trichlorofluoromethane	0.219	0.200	--	1.23	1.12	--		1
Isopropanol	9.84	0.500	--	24.2	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.605	0.500	--	2.10	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.871	0.500	--	2.57	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-12
Client ID: SVI_IA07_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:01
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	1.55	0.500	--	5.59	1.80	--		1
Chloroform	0.884	0.200	--	4.32	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.333	0.200	--	1.06	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.226	0.200	--	0.926	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.618	0.200	--	2.33	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-12
Client ID: SVI_IA07_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:01
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.347	0.200	--	1.48	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	0.219	0.200	--	1.15	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
.beta.-Pinene	1.7	NJ	ppbV		1
Butane	25	NJ	ppbV		1
D-Limonene	12	NJ	ppbV		1
1R-.alpha.-Pinene	2.0	NJ	ppbV		1
Isobutane	37	NJ	ppbV		1
Pentane	110	NJ	ppbV		1
Silanol, Trimethyl-	2.9	NJ	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-12
Client ID: SVI_IA07_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:01
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	97		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-12
Client ID: SVI_IA07_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:01
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/10/23 21:15
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.143	0.020	--	0.900	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.126	0.020	--	0.854	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	101		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	98		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-13
Client ID: SVI_IA08_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:13
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/10/23 21:54
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.556	0.200	--	2.75	0.989	--		1
Chloromethane	0.919	0.200	--	1.90	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	168	5.00	--	317	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	12.4	1.00	--	29.5	2.38	--		1
Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--		1
Isopropanol	5.61	0.500	--	13.8	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.656	0.500	--	2.28	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.988	0.500	--	2.91	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-13
Client ID: SVI_IA08_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:13
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	1.18	0.500	--	4.25	1.80	--		1
Chloroform	0.703	0.200	--	3.43	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.337	0.200	--	1.08	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.239	0.200	--	0.979	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.749	0.200	--	2.82	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-13
Client ID: SVI_IA08_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:13
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.264	0.200	--	1.12	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
.alpha.-Pinene	2.2	NJ	ppbV		1
Pentane	99	NJ	ppbV		1
Isobutane	35	NJ	ppbV		1
Butane	21	NJ	ppbV		1
D-Limonene	7.8	NJ	ppbV		1
Methyl Alcohol	14	NJ	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-13
Client ID: SVI_IA08_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:13
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	98		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-13
Client ID: SVI_IA08_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:13
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/10/23 21:54
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.111	0.020	--	0.698	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.132	0.020	--	0.895	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	103		60-140
bromochloromethane	105		60-140
chlorobenzene-d5	98		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-14
Client ID: SVI_IA09_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:44
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/10/23 23:13
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.560	0.200	--	2.77	0.989	--		1
Chloromethane	0.731	0.200	--	1.51	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	279	5.00	--	526	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	14.1	1.00	--	33.5	2.38	--		1
Trichlorofluoromethane	0.220	0.200	--	1.24	1.12	--		1
Isopropanol	13.5	0.500	--	33.2	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.24	0.500	--	4.31	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.991	0.500	--	2.92	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-14
Client ID: SVI_IA09_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:44
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	2.12	0.500	--	7.64	1.80	--		1
Chloroform	0.744	0.200	--	3.63	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.333	0.200	--	1.06	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.409	0.200	--	1.68	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.906	0.200	--	3.41	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-14
Client ID: SVI_IA09_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:44
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.479	0.400	--	2.08	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.443	0.200	--	1.89	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
.alpha.-Pinene	2.9	NJ	ppbV		1
Pentane	100	NJ	ppbV		1
Hexanal	1.4	NJ	ppbV		1
Isobutane	35	NJ	ppbV		1
Butane	25	NJ	ppbV		1
.beta.-Pinene	2.0	NJ	ppbV		1
D-Limonene	20	NJ	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-14
Client ID: SVI_IA09_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:44
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.5	J	ppbV		1
Methyl Alcohol	18	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	97		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-14
Client ID: SVI_IA09_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 16:44
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/10/23 23:13
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.116	0.020	--	0.730	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.137	0.020	--	0.929	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	102		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	98		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-15
Client ID: SVI_AA01_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:21
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/10/23 17:57
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.438	0.200	--	2.17	0.989	--		1
Chloromethane	0.530	0.200	--	1.09	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	8.15	5.00	--	15.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.66	1.00	--	3.94	2.38	--		1
Trichlorofluoromethane	0.200	0.200	--	1.12	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.536	0.500	--	1.86	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-15
Client ID: SVI_AA01_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:21
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.32	0.500	--	3.89	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.222	0.200	--	0.837	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-15
Client ID: SVI_AA01_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:21
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Silanol, Trimethyl-	1.6	NJ	ppbV		1
Unknown	1.2	J	ppbV		1
unknown siloxane	2.2	J	ppbV		1
Cyclotrisiloxane, Hexamethyl-	7.3	NJ	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-15
Client ID: SVI_AA01_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:21
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366599-15
Client ID: SVI_AA01_110823
Sample Location: BRONX, NY

Date Collected: 11/08/23 15:21
Date Received: 11/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/10/23 17:57
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.058	0.020	--	0.365	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.067	0.020	--	0.454	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	95		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/10/23 16:38

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-15 Batch: WG1850973-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/10/23 16:38

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-15 Batch: WG1850973-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/10/23 16:38

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-15 Batch: WG1850973-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366599
Report Date: 04/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 11/10/23 17:17

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 08-15 Batch: WG1850974-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2560-2580 BOSTON ROAD

Project Number: 170684201

Lab Number: L2366599

Report Date: 04/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-15 Batch: WG1850973-3								
Dichlorodifluoromethane	98		-		70-130	-		
Chloromethane	93		-		70-130	-		
Freon-114	107		-		70-130	-		
Vinyl chloride	98		-		70-130	-		
1,3-Butadiene	101		-		70-130	-		
Bromomethane	99		-		70-130	-		
Chloroethane	99		-		70-130	-		
Ethanol	91		-		40-160	-		
Vinyl bromide	95		-		70-130	-		
Acetone	95		-		40-160	-		
Trichlorofluoromethane	99		-		70-130	-		
Isopropanol	91		-		40-160	-		
1,1-Dichloroethene	102		-		70-130	-		
Tertiary butyl Alcohol	95		-		70-130	-		
Methylene chloride	100		-		70-130	-		
3-Chloropropene	104		-		70-130	-		
Carbon disulfide	102		-		70-130	-		
Freon-113	101		-		70-130	-		
trans-1,2-Dichloroethene	95		-		70-130	-		
1,1-Dichloroethane	99		-		70-130	-		
Methyl tert butyl ether	99		-		70-130	-		
2-Butanone	97		-		70-130	-		
cis-1,2-Dichloroethene	100		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-15 Batch: WG1850973-3								
Ethyl Acetate	104		-		70-130	-		
Chloroform	99		-		70-130	-		
Tetrahydrofuran	94		-		70-130	-		
1,2-Dichloroethane	92		-		70-130	-		
n-Hexane	100		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
Benzene	96		-		70-130	-		
Carbon tetrachloride	103		-		70-130	-		
Cyclohexane	100		-		70-130	-		
1,2-Dichloropropane	99		-		70-130	-		
Bromodichloromethane	108		-		70-130	-		
1,4-Dioxane	102		-		70-130	-		
Trichloroethene	99		-		70-130	-		
2,2,4-Trimethylpentane	99		-		70-130	-		
Heptane	99		-		70-130	-		
cis-1,3-Dichloropropene	102		-		70-130	-		
4-Methyl-2-pentanone	102		-		70-130	-		
trans-1,3-Dichloropropene	99		-		70-130	-		
1,1,2-Trichloroethane	100		-		70-130	-		
Toluene	101		-		70-130	-		
2-Hexanone	106		-		70-130	-		
Dibromochloromethane	119		-		70-130	-		
1,2-Dibromoethane	102		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2560-2580 BOSTON ROAD

Project Number: 170684201

Lab Number: L2366599

Report Date: 04/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-15 Batch: WG1850973-3								
Tetrachloroethene	99		-		70-130	-		
Chlorobenzene	101		-		70-130	-		
Ethylbenzene	100		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	124		-		70-130	-		
Styrene	102		-		70-130	-		
1,1,2,2-Tetrachloroethane	106		-		70-130	-		
o-Xylene	103		-		70-130	-		
4-Ethyltoluene	100		-		70-130	-		
1,3,5-Trimethylbenzene	100		-		70-130	-		
1,2,4-Trimethylbenzene	102		-		70-130	-		
Benzyl chloride	112		-		70-130	-		
1,3-Dichlorobenzene	100		-		70-130	-		
1,4-Dichlorobenzene	101		-		70-130	-		
1,2-Dichlorobenzene	100		-		70-130	-		
1,2,4-Trichlorobenzene	98		-		70-130	-		
Naphthalene	94		-		70-130	-		
Hexachlorobutadiene	96		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2560-2580 BOSTON ROAD

Project Number: 170684201

Lab Number: L2366599

Report Date: 04/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 08-15 Batch: WG1850974-3								
Vinyl chloride	89		-		70-130	-		25
1,1-Dichloroethene	90		-		70-130	-		25
cis-1,2-Dichloroethene	89		-		70-130	-		25
1,1,1-Trichloroethane	90		-		70-130	-		25
Carbon tetrachloride	92		-		70-130	-		25
Trichloroethene	89		-		70-130	-		25
Tetrachloroethene	84		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-15 QC Batch ID: WG1850973-5 QC Sample: L2366599-13 Client ID: SVI_IA08_110823						
Dichlorodifluoromethane	0.556	0.550	ppbV	1		25
Chloromethane	0.919	0.932	ppbV	1		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	168	154	ppbV	9		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	12.4	12.3	ppbV	1		25
Trichlorofluoromethane	0.233	0.226	ppbV	3		25
Isopropanol	5.61	5.51	ppbV	2		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	0.656	0.640	ppbV	2		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-15 QC Batch ID: WG1850973-5 QC Sample: L2366599-13 Client ID: SVI_IA08_110823						
2-Butanone	0.988	0.950	ppbV	4		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	1.18	1.12	ppbV	5		25
Chloroform	0.703	0.699	ppbV	1		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	0.337	0.339	ppbV	1		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	0.239	0.267	ppbV	11		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-15 QC Batch ID: WG1850973-5 QC Sample: L2366599-13 Client ID: SVI_IA08_110823						
Toluene	0.749	0.758	ppbV	1		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	0.264	0.268	ppbV	2		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Naphthalene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-15 QC Batch ID: WG1850973-5 QC Sample: L2366599-13 Client ID: SVI_IA08_110823						
Hexachlorobutadiene	ND	ND	ppbV	NC		25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 08-15 QC Batch ID: WG1850974-5 QC Sample: L2366599-13 Client ID: SVI_IA08_110823						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.111	0.109	ppbV	2		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	0.132	0.134	ppbV	2		25

Project Name: 2560-2580 BOSTON ROAD

Lab Number: L2366599

Project Number: 170684201

Report Date: 04/17/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2366599-01	SVI_SSV01_110823	01372	Flow 5	11/01/23	442700		-	-	-	Pass	4.5	4.6	2
L2366599-01	SVI_SSV01_110823	3408	2.7L Can	11/01/23	442700	L2362341-02	Pass	-29.5	-5.4	-	-	-	-
L2366599-02	SVI_SSV04_110823	0256	Flow 5	11/01/23	442700		-	-	-	Pass	4.5	4.6	2
L2366599-02	SVI_SSV04_110823	390	2.7L Can	11/01/23	442700	L2363206-06	Pass	-29.5	-5.0	-	-	-	-
L2366599-03	SVI_SSV05_110823	0029	Flow 5	11/01/23	442700		-	-	-	Pass	4.5	4.8	6
L2366599-03	SVI_SSV05_110823	3024	2.7L Can	11/01/23	442700	L2363206-06	Pass	-29.6	-4.0	-	-	-	-
L2366599-04	SVI_SSV06_110823	0279	Flow 5	11/01/23	442700		-	-	-	Pass	4.5	4.8	6
L2366599-04	SVI_SSV06_110823	2009	2.7L Can	11/01/23	442700	L2363206-06	Pass	-29.6	-5.3	-	-	-	-
L2366599-05	SVI_SSV07_110823	0756	Flow 5	11/01/23	442700		-	-	-	Pass	4.5	5.2	14
L2366599-05	SVI_SSV07_110823	396	2.7L Can	11/01/23	442700	L2363206-06	Pass	-29.6	-3.2	-	-	-	-
L2366599-06	SVI_SSV08_110823	01817	Flow 5	11/01/23	442700		-	-	-	Pass	4.5	4.9	9
L2366599-06	SVI_SSV08_110823	3209	2.7L Can	11/01/23	442700	L2363206-06	Pass	-29.6	-5.6	-	-	-	-
L2366599-07	SVI_SSV09_110823	01121	Flow 5	11/01/23	442700		-	-	-	Pass	4.5	4.9	9
L2366599-07	SVI_SSV09_110823	3034	2.7L Can	11/01/23	442700	L2363206-06	Pass	-29.6	-6.0	-	-	-	-
L2366599-08	SVI_IA01_110823	02002	Flow 4	11/01/23	442700		-	-	-	Pass	4.5	4.7	4

Project Name: 2560-2580 BOSTON ROAD

Lab Number: L2366599

Project Number: 170684201

Report Date: 04/17/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2366599-08	SVI_IA01_110823	3891	2.7L Can	11/01/23	442700	L2363206-06	Pass	-29.6	-5.6	-	-	-	-
L2366599-09	SVI_IA04_110823	0124	Flow 4	11/01/23	442700		-	-	-	Pass	4.5	4.6	2
L2366599-09	SVI_IA04_110823	416	2.7L Can	11/01/23	442700	L2363206-06	Pass	-29.6	-5.1	-	-	-	-
L2366599-10	SVI_IA05_110823	0424	Flow 5	11/01/23	442700		-	-	-	Pass	4.6	4.9	6
L2366599-10	SVI_IA05_110823	1745	2.7L Can	11/01/23	442700	L2363206-06	Pass	-29.6	-2.8	-	-	-	-
L2366599-11	SVI_IA06_110823	0546	Flow 5	11/01/23	442700		-	-	-	Pass	4.5	4.9	9
L2366599-11	SVI_IA06_110823	3882	2.7L Can	11/01/23	442700	L2363206-06	Pass	-29.6	-5.8	-	-	-	-
L2366599-12	SVI_IA07_110823	01478	Flow 4	11/01/23	442700		-	-	-	Pass	4.5	5.1	13
L2366599-12	SVI_IA07_110823	3872	2.7L Can	11/01/23	442700	L2362937-03	Pass	-29.9	-2.6	-	-	-	-
L2366599-13	SVI_IA08_110823	0543	Flow 4	11/01/23	442700		-	-	-	Pass	4.5	5.7	24
L2366599-13	SVI_IA08_110823	2734	2.7L Can	11/01/23	442700	L2363206-06	Pass	-29.6	-3.9	-	-	-	-
L2366599-14	SVI_IA09_110823	01582	Flow 4	11/01/23	442700		-	-	-	Pass	4.5	5.1	13
L2366599-14	SVI_IA09_110823	2688	2.7L Can	11/01/23	442700	L2363206-06	Pass	-29.6	-7.5	-	-	-	-
L2366599-15	SVI_AA01_110823	01669	Flow 4	11/01/23	442700		-	-	-	Pass	4.5	4.7	4
L2366599-15	SVI_AA01_110823	415	2.7L Can	11/01/23	442700	L2363206-06	Pass	-29.6	-4.5	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2362341
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362341-02
Client ID: CAN 2186 SHELF 18
Sample Location:

Date Collected: 10/19/23 16:00
Date Received: 10/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/20/23 20:14
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362341
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362341-02
Client ID: CAN 2186 SHELF 18
Sample Location:

Date Collected: 10/19/23 16:00
Date Received: 10/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362341
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362341-02
Client ID: CAN 2186 SHELF 18
Sample Location:

Date Collected: 10/19/23 16:00
Date Received: 10/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362341
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362341-02
Client ID: CAN 2186 SHELF 18
Sample Location:

Date Collected: 10/19/23 16:00
Date Received: 10/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362341
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362341-02
Client ID: CAN 2186 SHELF 18
Sample Location:

Date Collected: 10/19/23 16:00
Date Received: 10/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	101		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362341
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362341-02
Client ID: CAN 2186 SHELF 18
Sample Location:

Date Collected: 10/19/23 16:00
Date Received: 10/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/20/23 20:14
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362341
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362341-02
Client ID: CAN 2186 SHELF 18
Sample Location:

Date Collected: 10/19/23 16:00
Date Received: 10/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2362341

Project Number: CANISTER QC BAT **Report Date:** 04/17/24

Air Canister Certification Results

Lab ID: L2362341-02
Client ID: CAN 2186 SHELF 18
Sample Location:

Date Collected: 10/19/23 16:00
Date Received: 10/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2362937
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362937-03
Client ID: CAN 1724 SHELF 9
Sample Location:

Date Collected: 10/24/23 10:00
Date Received: 10/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/24/23 22:11
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362937
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362937-03
Client ID: CAN 1724 SHELF 9
Sample Location:

Date Collected: 10/24/23 10:00
Date Received: 10/24/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362937
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362937-03
Client ID: CAN 1724 SHELF 9
Sample Location:

Date Collected: 10/24/23 10:00
Date Received: 10/24/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362937
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362937-03
Client ID: CAN 1724 SHELF 9
Sample Location:

Date Collected: 10/24/23 10:00
Date Received: 10/24/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362937
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362937-03
Client ID: CAN 1724 SHELF 9
Sample Location:

Date Collected: 10/24/23 10:00
Date Received: 10/24/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	98		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362937
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362937-03
Client ID: CAN 1724 SHELF 9
Sample Location:

Date Collected: 10/24/23 10:00
Date Received: 10/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/24/23 22:11
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362937
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362937-03
Client ID: CAN 1724 SHELF 9
Sample Location:

Date Collected: 10/24/23 10:00
Date Received: 10/24/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2362937

Project Number: CANISTER QC BAT **Report Date:** 04/17/24

Air Canister Certification Results

Lab ID: L2362937-03
Client ID: CAN 1724 SHELF 9
Sample Location:

Date Collected: 10/24/23 10:00
Date Received: 10/24/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-06
Client ID: CAN 403 SHELF 2
Sample Location:

Date Collected: 10/25/23 11:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/25/23 23:53
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-06
Client ID: CAN 403 SHELF 2
Sample Location:

Date Collected: 10/25/23 11:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-06
Client ID: CAN 403 SHELF 2
Sample Location:

Date Collected: 10/25/23 11:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-06
Client ID: CAN 403 SHELF 2
Sample Location:

Date Collected: 10/25/23 11:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-06
Client ID: CAN 403 SHELF 2
Sample Location:

Date Collected: 10/25/23 11:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-06
Client ID: CAN 403 SHELF 2
Sample Location:

Date Collected: 10/25/23 11:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/25/23 23:53
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-06
Client ID: CAN 403 SHELF 2
Sample Location:

Date Collected: 10/25/23 11:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2363206

Project Number: CANISTER QC BAT **Report Date:** 04/17/24

Air Canister Certification Results

Lab ID: L2363206-06
Client ID: CAN 403 SHELF 2
Sample Location:

Date Collected: 10/25/23 11:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366599
Report Date: 04/17/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2366599-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2366599-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2366599-03A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2366599-04A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2366599-05A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2366599-06A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2366599-07A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2366599-08A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2366599-09A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2366599-10A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2366599-11A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2366599-12A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2366599-13A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2366599-14A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2366599-15A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	2560-2580 BOSTON ROAD	**Lab Number:**	L2366599
Project Number:	170684201	**Report Date:**	04/17/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	2560-2580 BOSTON ROAD	**Lab Number:**	L2366599
Project Number:	170684201	**Report Date:**	04/17/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	2560-2580 BOSTON ROAD	**Lab Number:**	L2366599
Project Number:	170684201	**Report Date:**	04/17/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 2

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 11/9/23

ALPHA Job #: L2366599

Client Information

Client: Langan
Address: 360 W 31st Street
Phone: 212 479 5400
Fax:
Email: Lesmail@Langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 2560 Boston Road
Project Location: 2560 Bronx, NY
Project #: 170684201
Project Manager: Lamees Esmail
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: cc: maronica@Langan.com datamanagement@Langan.com

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Solvent Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
66599-01	SVI-SSV01_110823	11/8/23	9:49	1657	-30.26	-6.71	SV	BK	2.7L	2776	1372	X	X				Please report any compounds that would be reported as tentatively identified compounds (TICs)
02	SVI-SSV04_110823	11/8/23	8:15	1542	-30.07	-5.45	SV	BK	2.7L	390	256	X	X				
03	SVI-SSV05_110823	11/8/23	8:28	1554	-30.28	-4.59	SV	BK	2.7L	2583	29	X	X				
04	SVI-SSV06_110823	11/8/23	8:56	1606	-30.21	-5.8	SV	BK	2.7L	940	279	X	X				
05	SVI-SSV07_110823	11/8/23	8:40	1600	-30.62	-3.87	SV	BK	2.7L	369	756	X	X				
06	SVI-SSV08_110823	11/8/23	9:08	1620	-30.02	-6.1	SV	BK	2.7L	2732	1617	X	X				
07	SVI-SSV09_110823	11/8/23	9:17	1632	-30.54	-6.46	SV	BK	2.7L	2575	1121	X	X				

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
BKennedy	11/8/23	AAL	11-8-23 1735
Anthony Green AAL	11-8-23 1930	Anthony Green	NOV 08 2023 2014
	11/9/23 0010		11/9/23 0010
	11/9/23 0430		11/9/23 0430

Form No: 101-02 Rev: 12b Sep-15)

AIR ANALYSIS

PAGE 2 OF 2

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 11/9/23

ALPHA Job #: L2366599

Client Information

Client: Langan
Address: 360 W 31st Street
Phone: 212 479 5400
Fax:
Email: L esmail@Langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 2560 Boston Road -2580
Project Location: Bronx NY
Project #: 170684201
Project Manager: Lamees Esmail
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: CC: maronica@Langan.com datamanagement@Langan.com

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Solvent Non-petroleum HCs	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
08	SVI-IA01_110823	11/8/23	9:53	1656	-30.23	-5.99	AA	BK	2.7L	3253	2002	X	X					Please report any compounds that would be reported as tentatively identified compounds (TICs)
09	SVI-IA04_110823	11/8/23	8:16	1549	-30.47	-5.66	AA	BK	2.7L	416	124	X	X					
10	SVI-IA05_110823	11/8/23	8:29	1555	-30.33	-4.96	AA	BK	2.7L	682	424	X	X					
11	SVI-IA06_110823	11/8/23	8:57	1610	-30.47	-6.17	AA	BK	2.7L	3239	546	X	X					
12	SVI-IA07_110823	11/8/23	8:41	1601	-30.43	-4.97	AA	BK	2.7L	3228	1478	X	X					
13	SVI-IA08_110823	11/8/23	9:09	1613	-30.39	-4.25	AA	BK	2.7L	2285	543	X	X					
14	SVI-IA09_110823	11/8/23	9:18	1644	-30.40	-6.77	AA	BK	2.7L	1275	1582	X	X					
15	SVI-AA01_110823	11/8/23	7:53	1521	-30.51	-5.24	AA	BK	2.7L	415	1669	X	X					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
BKennegally	11/8/23	AAL	11-8-23 1735
AAL	11-8-23 2040	Anthony Green	NOV 0 8 2023 2014
Anthony Green	11/9/23 0010		11/9/23 0010
	11/9/23 0430		11/9/23 0430

ANALYTICAL REPORT

Lab Number:	L2366947
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Lamees Esmail
Phone:	(212) 479-5717
Project Name:	2560-2580 BOSTON ROAD
Project Number:	170684201
Report Date:	04/17/24

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (99110) , NJ (MA015), NY (11627), NC (685), OH (CL106), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708), USFWS (Permit #A24920).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366947
Report Date: 04/17/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2366947-01	SVI_SSV02_110923	SOIL_VAPOR	BRONX, NY	11/09/23 16:40	11/09/23
L2366947-02	SVI_SSV03_110923	SOIL_VAPOR	BRONX, NY	11/09/23 16:09	11/09/23
L2366947-03	SVI_IA02_110923	AIR	BRONX, NY	11/09/23 16:36	11/09/23
L2366947-04	SVI_IA03_110923	AIR	BRONX, NY	11/09/23 16:02	11/09/23
L2366947-05	SVI_AA02_110923	AIR	BRONX, NY	11/09/23 15:45	11/09/23
L2366947-06	UNUSED CAN #2188	AIR	BRONX, NY		11/09/23
L2366947-07	UNUSED CAN #2430	AIR	BRONX, NY		11/09/23
L2366947-08	UNUSED CAN #2033	AIR	BRONX, NY		11/09/23
L2366947-09	UNUSED CAN #3016	AIR	BRONX, NY		11/09/23

Project Name:	2560-2580 BOSTON ROAD	**Lab Number:**	L2366947
Project Number:	170684201	**Report Date:**	04/17/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	2560-2580 BOSTON ROAD	**Lab Number:**	L2366947
Project Number:	170684201	**Report Date:**	04/17/24

Case Narrative (continued)

Report Revision

April 7, 2024 the report has been amended to report data for Naphthalene at the request of the client.

Report Revision

November 21, 2023 the report has been amended to report TICs at the request of the client.

Volatile Organics in Air

Canisters were released from the laboratory on November 1, 2023. The canister certification results are provided as an addendum.

Sample Receipt

The samples were logged in based on the Sample IDs listed on the canister tags and CoC. In all but two instances the canister ID numbers listed on the CoC did not match what was on the canister and canister tag with the sample ID.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 04/17/24

AIR

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-01
Client ID: SVI_SSV02_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:40
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/15/23 00:42
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.369	0.200	--	1.82	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	83.9	5.00	--	158	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.86	1.00	--	13.9	2.38	--		1
Trichlorofluoromethane	0.226	0.200	--	1.27	1.12	--		1
Isopropanol	3.10	0.500	--	7.62	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	3.59	0.500	--	12.5	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-01
Client ID: SVI_SSV02_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:40
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.433	0.200	--	2.11	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	8.68	0.200	--	30.6	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	4.72	0.200	--	15.1	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.89	0.200	--	6.51	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	3.14	0.200	--	14.7	0.934	--		1
Heptane	5.53	0.200	--	22.7	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	21.2	0.200	--	79.9	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.324	0.200	--	2.20	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	2.89	0.200	--	12.6	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-01
Client ID: SVI_SSV02_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:40
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	11.1	0.400	--	48.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	2.77	0.200	--	12.0	0.869	--		1
4-Ethyltoluene	0.341	0.200	--	1.68	0.983	--		1
1,3,5-Trimethylbenzene	0.346	0.200	--	1.70	0.983	--		1
1,2,4-Trimethylbenzene	1.26	0.200	--	6.19	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Pentane, 2-methyl-	7.4	NJ	ppbV		1
Hexane, 3-methyl-	4.1	NJ	ppbV		1
Silanol, Trimethyl-	8.2	NJ	ppbV		1
D-Limonene	3.9	NJ	ppbV		1
Hexane, 2,5-dimethyl-	1.4	NJ	ppbV		1
Heptane, 2-methyl-	2.0	NJ	ppbV		1
Unknown	3.1	J	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-01
Client ID: SVI_SSV02_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:40
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Cyclotrisiloxane, Hexamethyl-	17	NJ	ppbV		1
Octane	2.0	NJ	ppbV		1
1R-.alpha.-Pinene	4.8	NJ	ppbV		1
Pentane, 2,3,4-trimethyl-	2.5	NJ	ppbV		1
Pentane, 3-methyl-	3.5	NJ	ppbV		1
Unknown	1.8	J	ppbV		1
3-Carene	1.4	NJ	ppbV		1
Unknown	7.4	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	109		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-02
Client ID: SVI_SSV03_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:09
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/15/23 01:13
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.401	0.200	--	1.98	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	50.5	5.00	--	95.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.88	1.00	--	11.6	2.38	--		1
Trichlorofluoromethane	0.225	0.200	--	1.26	1.12	--		1
Isopropanol	1.64	0.500	--	4.03	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	22.4	0.500	--	77.8	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	0.379	0.200	--	1.37	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-02
Client ID: SVI_SSV03_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:09
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.286	0.200	--	1.40	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.850	0.200	--	3.00	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.287	0.200	--	0.917	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.563	0.200	--	1.94	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.790	0.200	--	3.24	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.13	0.200	--	8.03	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.435	0.200	--	1.89	0.869	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-02
Client ID: SVI_SSV03_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:09
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.15	0.400	--	9.34	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.750	0.200	--	3.26	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.230	0.200	--	1.13	0.983	--		1
1,2,4-Trimethylbenzene	0.749	0.200	--	3.68	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
1R-.alpha.-Pinene	3.7	NJ	ppbV		1
3-Carene	1.1	NJ	ppbV		1
Nonane (C9)	1.0	NJ	ppbV		1
unknown alkane	1.0	J	ppbV		1
Cyclopentane, Methyl-	1.2	NJ	ppbV		1
Cyclotrisiloxane, Hexamethyl-	5.7	NJ	ppbV		1
D-Limonene	2.8	NJ	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-02
Client ID: SVI_SSV03_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:09
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	110		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-03
Client ID: SVI_IA02_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:36
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/14/23 00:29
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.505	0.200	--	2.50	0.989	--		1
Chloromethane	0.498	0.200	--	1.03	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	122	5.00	--	230	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	32.5	1.00	--	77.2	2.38	--		1
Trichlorofluoromethane	0.238	0.200	--	1.34	1.12	--		1
Isopropanol	4.77	0.500	--	11.7	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.510	0.500	--	1.77	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.327	0.200	--	1.02	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.637	0.500	--	1.88	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.938	0.200	--	4.58	0.977	--		1
Tetrahydrofuran	0.776	0.500	--	2.29	1.47	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-03
Client ID: SVI_IA02_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:36
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	31.1	0.200	--	110	0.705	--		1
Benzene	10.7	0.200	--	34.2	0.639	--		1
Cyclohexane	8.15	0.200	--	28.1	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	30.3	0.200	--	142	0.934	--		1
Heptane	14.6	0.200	--	59.8	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	50.9	0.200	--	192	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	10.5	0.200	--	45.6	0.869	--		1
p/m-Xylene	34.2	0.400	--	149	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	10.5	0.200	--	45.6	0.869	--		1
4-Ethyltoluene	1.29	0.200	--	6.34	0.983	--		1
1,3,5-Trimethylbenzene	1.51	0.200	--	7.42	0.983	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-03
Client ID: SVI_IA02_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:36
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	5.84	0.200	--	28.7	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	0.322	0.200	--	1.69	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Pentane, 2-methyl-	49	NJ	ppbV		1
Pentane, 2,3-dimethyl-	7.3	NJ	ppbV		1
unknown alkene	7.1	J	ppbV		1
Butane	33	NJ	ppbV		1
Pentane, 2,4-dimethyl-	12	NJ	ppbV		1
Pentane, 3-methyl-	26	NJ	ppbV		1
Pentane	66	NJ	ppbV		1
Pentane, 2,3,4-trimethyl-	15	NJ	ppbV		1
Cyclohexane, methyl-	12	NJ	ppbV		1
Hexane, 3-methyl-	14	NJ	ppbV		1
Cyclopentane, Methyl-	23	NJ	ppbV		1
unknown alkane	9.7	J	ppbV		1
unknown alkene	12	J	ppbV		1
Hexane, 2-methyl-	14	NJ	ppbV		1
Butane, 2,3-Dimethyl-	24	NJ	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-03
Client ID: SVI_IA02_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:36
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	95		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-03
Client ID: SVI_IA02_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:36
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/14/23 00:29
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.034	0.020	--	0.186	0.109	--		1
Carbon tetrachloride	0.213	0.020	--	1.34	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.592	0.020	--	4.01	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	97		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-04
Client ID: SVI_IA03_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:02
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/14/23 01:08
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.526	0.200	--	2.60	0.989	--		1
Chloromethane	0.485	0.200	--	1.00	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	11.7	5.00	--	22.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.31	1.00	--	5.49	2.38	--		1
Trichlorofluoromethane	0.280	0.200	--	1.57	1.12	--		1
Isopropanol	0.970	0.500	--	2.38	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	81.4	0.500	--	283	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	2.28	0.200	--	8.22	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-04
Client ID: SVI_IA03_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:02
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.65	0.200	--	9.34	0.705	--		1
Benzene	0.676	0.200	--	2.16	0.639	--		1
Cyclohexane	1.93	0.200	--	6.64	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	0.397	0.200	--	1.85	0.934	--		1
Heptane	2.06	0.200	--	8.44	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	5.38	0.200	--	20.3	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.04	0.200	--	4.52	0.869	--		1
p/m-Xylene	4.80	0.400	--	20.8	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.86	0.200	--	8.08	0.869	--		1
4-Ethyltoluene	0.421	0.200	--	2.07	0.983	--		1
1,3,5-Trimethylbenzene	0.705	0.200	--	3.47	0.983	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-04
Client ID: SVI_IA03_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:02
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	2.34	0.200	--	11.5	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	0.435	0.200	--	2.28	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Nonane (C9)	2.7	NJ	ppbV		1
unknown alkane	2.2	J	ppbV		1
unknown benzene	2.4	J	ppbV		1
Cyclohexane, methyl-	5.2	NJ	ppbV		1
Butane, 2,3-Dimethyl-	2.1	NJ	ppbV		1
Hexane, 3-methyl-	2.1	NJ	ppbV		1
Hexane, 2-methyl-	1.9	NJ	ppbV		1
Pentane, 2-methyl-	6.1	NJ	ppbV		1
unknown alkane	2.6	J	ppbV		1
Pentane	5.4	NJ	ppbV		1
Pentane, 3-methyl-	3.1	NJ	ppbV		1
Cyclopentane, Methyl-	4.3	NJ	ppbV		1
Octane	2.4	NJ	ppbV		1
Undecane	2.0	NJ	ppbV		1
Butane	4.5	NJ	ppbV		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-04
Client ID: SVI_IA03_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:02
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	92		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-04
Client ID: SVI_IA03_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 16:02
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/14/23 01:08
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.091	0.020	--	0.572	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.172	0.020	--	1.17	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	93		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-05
Client ID: SVI_AA02_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 15:45
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/13/23 21:14
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.491	0.200	--	2.43	0.989	--		1
Chloromethane	0.541	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	11.5	5.00	--	21.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.02	1.00	--	9.55	2.38	--		1
Trichlorofluoromethane	0.219	0.200	--	1.23	1.12	--		1
Isopropanol	2.38	0.500	--	5.85	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.03	0.500	--	3.58	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-05
Client ID: SVI_AA02_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 15:45
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.382	0.200	--	1.35	0.705	--		1
Benzene	0.474	0.200	--	1.51	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	0.237	0.200	--	1.11	0.934	--		1
Heptane	0.283	0.200	--	1.16	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.994	0.200	--	3.75	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.596	0.400	--	2.59	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.236	0.200	--	1.03	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-05
Client ID: SVI_AA02_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 15:45
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.348	0.200	--	1.71	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Cyclotrisiloxane, Hexamethyl-	1.5	NJ	ppbV		1
Pentane	1.5	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

SAMPLE RESULTS

Lab ID: L2366947-05
Client ID: SVI_AA02_110923
Sample Location: BRONX, NY

Date Collected: 11/09/23 15:45
Date Received: 11/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/13/23 21:14
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.092	0.020	--	0.579	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.599	0.020	--	4.06	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/13/23 15:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 03-05 Batch: WG1851732-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/13/23 15:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 03-05 Batch: WG1851732-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/13/23 15:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 03-05 Batch: WG1851732-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 11/13/23 15:47

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 03-05 Batch: WG1851733-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/14/23 14:18

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1852142-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/14/23 14:18

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1852142-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201
Lab Number: L2366947
Report Date: 04/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/14/23 14:18

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1852142-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2560-2580 BOSTON ROAD

Project Number: 170684201

Lab Number: L2366947

Report Date: 04/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 03-05 Batch: WG1851732-3								
Dichlorodifluoromethane	101		-		70-130	-		
Chloromethane	100		-		70-130	-		
Freon-114	110		-		70-130	-		
Vinyl chloride	98		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Bromomethane	104		-		70-130	-		
Chloroethane	98		-		70-130	-		
Ethanol	94		-		40-160	-		
Vinyl bromide	92		-		70-130	-		
Acetone	99		-		40-160	-		
Trichlorofluoromethane	99		-		70-130	-		
Isopropanol	109		-		40-160	-		
1,1-Dichloroethene	102		-		70-130	-		
Tertiary butyl Alcohol	118		-		70-130	-		
Methylene chloride	101		-		70-130	-		
3-Chloropropene	111		-		70-130	-		
Carbon disulfide	93		-		70-130	-		
Freon-113	102		-		70-130	-		
trans-1,2-Dichloroethene	95		-		70-130	-		
1,1-Dichloroethane	101		-		70-130	-		
Methyl tert butyl ether	101		-		70-130	-		
2-Butanone	98		-		70-130	-		
cis-1,2-Dichloroethene	101		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2560-2580 BOSTON ROAD

Project Number: 170684201

Lab Number: L2366947

Report Date: 04/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 03-05 Batch: WG1851732-3								
Ethyl Acetate	97		-		70-130	-		
Chloroform	102		-		70-130	-		
Tetrahydrofuran	105		-		70-130	-		
1,2-Dichloroethane	96		-		70-130	-		
n-Hexane	97		-		70-130	-		
1,1,1-Trichloroethane	105		-		70-130	-		
Benzene	98		-		70-130	-		
Carbon tetrachloride	117		-		70-130	-		
Cyclohexane	98		-		70-130	-		
1,2-Dichloropropane	102		-		70-130	-		
Bromodichloromethane	110		-		70-130	-		
1,4-Dioxane	107		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	99		-		70-130	-		
Heptane	105		-		70-130	-		
cis-1,3-Dichloropropene	108		-		70-130	-		
4-Methyl-2-pentanone	111		-		70-130	-		
trans-1,3-Dichloropropene	109		-		70-130	-		
1,1,2-Trichloroethane	105		-		70-130	-		
Toluene	98		-		70-130	-		
2-Hexanone	102		-		70-130	-		
Dibromochloromethane	119		-		70-130	-		
1,2-Dibromoethane	105		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2560-2580 BOSTON ROAD

Project Number: 170684201

Lab Number: L2366947

Report Date: 04/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 03-05 Batch: WG1851732-3								
Tetrachloroethene	102		-		70-130	-		
Chlorobenzene	98		-		70-130	-		
Ethylbenzene	97		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	124		-		70-130	-		
Styrene	98		-		70-130	-		
1,1,2,2-Tetrachloroethane	104		-		70-130	-		
o-Xylene	100		-		70-130	-		
4-Ethyltoluene	92		-		70-130	-		
1,3,5-Trimethylbenzene	94		-		70-130	-		
1,2,4-Trimethylbenzene	96		-		70-130	-		
Benzyl chloride	118		-		70-130	-		
1,3-Dichlorobenzene	94		-		70-130	-		
1,4-Dichlorobenzene	93		-		70-130	-		
1,2-Dichlorobenzene	93		-		70-130	-		
1,2,4-Trichlorobenzene	94		-		70-130	-		
Naphthalene	83		-		70-130	-		
Hexachlorobutadiene	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2560-2580 BOSTON ROAD

Project Number: 170684201

Lab Number: L2366947

Report Date: 04/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 03-05 Batch: WG1851733-3								
Vinyl chloride	84		-		70-130	-		25
1,1-Dichloroethene	91		-		70-130	-		25
cis-1,2-Dichloroethene	88		-		70-130	-		25
1,1,1-Trichloroethane	95		-		70-130	-		25
Carbon tetrachloride	107		-		70-130	-		25
Trichloroethene	82		-		70-130	-		25
Tetrachloroethene	76		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2560-2580 BOSTON ROAD

Project Number: 170684201

Lab Number: L2366947

Report Date: 04/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1852142-3								
Dichlorodifluoromethane	78		-		70-130	-		
Chloromethane	88		-		70-130	-		
Freon-114	96		-		70-130	-		
Vinyl chloride	83		-		70-130	-		
1,3-Butadiene	99		-		70-130	-		
Bromomethane	91		-		70-130	-		
Chloroethane	82		-		70-130	-		
Ethanol	85		-		40-160	-		
Vinyl bromide	90		-		70-130	-		
Acetone	72		-		40-160	-		
Trichlorofluoromethane	88		-		70-130	-		
Isopropanol	67		-		40-160	-		
1,1-Dichloroethene	75		-		70-130	-		
Tertiary butyl Alcohol	84		-		70-130	-		
Methylene chloride	92		-		70-130	-		
3-Chloropropene	82		-		70-130	-		
Carbon disulfide	85		-		70-130	-		
Freon-113	90		-		70-130	-		
trans-1,2-Dichloroethene	79		-		70-130	-		
1,1-Dichloroethane	82		-		70-130	-		
Methyl tert butyl ether	95		-		70-130	-		
2-Butanone	80		-		70-130	-		
cis-1,2-Dichloroethene	80		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2560-2580 BOSTON ROAD

Project Number: 170684201

Lab Number: L2366947

Report Date: 04/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1852142-3								
Ethyl Acetate	84		-		70-130	-		
Chloroform	85		-		70-130	-		
Tetrahydrofuran	76		-		70-130	-		
1,2-Dichloroethane	82		-		70-130	-		
n-Hexane	96		-		70-130	-		
1,1,1-Trichloroethane	109		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	106		-		70-130	-		
Cyclohexane	95		-		70-130	-		
1,2-Dichloropropane	96		-		70-130	-		
Bromodichloromethane	108		-		70-130	-		
1,4-Dioxane	98		-		70-130	-		
Trichloroethene	105		-		70-130	-		
2,2,4-Trimethylpentane	102		-		70-130	-		
Heptane	96		-		70-130	-		
cis-1,3-Dichloropropene	112		-		70-130	-		
4-Methyl-2-pentanone	103		-		70-130	-		
trans-1,3-Dichloropropene	110		-		70-130	-		
1,1,2-Trichloroethane	105		-		70-130	-		
Toluene	85		-		70-130	-		
2-Hexanone	84		-		70-130	-		
Dibromochloromethane	101		-		70-130	-		
1,2-Dibromoethane	91		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2560-2580 BOSTON ROAD

Project Number: 170684201

Lab Number: L2366947

Report Date: 04/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1852142-3								
Tetrachloroethene	90		-		70-130	-		
Chlorobenzene	90		-		70-130	-		
Ethylbenzene	87		-		70-130	-		
p/m-Xylene	90		-		70-130	-		
Bromoform	104		-		70-130	-		
Styrene	92		-		70-130	-		
1,1,2,2-Tetrachloroethane	91		-		70-130	-		
o-Xylene	92		-		70-130	-		
4-Ethyltoluene	97		-		70-130	-		
1,3,5-Trimethylbenzene	92		-		70-130	-		
1,2,4-Trimethylbenzene	96		-		70-130	-		
Benzyl chloride	96		-		70-130	-		
1,3-Dichlorobenzene	92		-		70-130	-		
1,4-Dichlorobenzene	97		-		70-130	-		
1,2-Dichlorobenzene	91		-		70-130	-		
1,2,4-Trichlorobenzene	85		-		70-130	-		
Naphthalene	86		-		70-130	-		
Hexachlorobutadiene	82		-		70-130	-		

Project Name: 2560-2580 BOSTON ROAD

Lab Number: L2366947

Project Number: 170684201

Report Date: 04/17/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2366947-01	SVI_SSV02_110923	01119	Flow 4	11/01/23	442700		-	-	-	Pass	4.5	4.2	7
L2366947-01	SVI_SSV02_110923	1718	2.7L Can	11/01/23	442700	L2362341-02	Pass	-29.6	-8.5	-	-	-	-
L2366947-02	SVI_SSV03_110923	02249	Flow 4	11/01/23	442700		-	-	-	Pass	4.5	4.8	6
L2366947-02	SVI_SSV03_110923	2385	2.7L Can	11/01/23	442700	L2363206-04	Pass	-29.6	-5.7	-	-	-	-
L2366947-03	SVI_IA02_110923	01623	Flow 5	11/01/23	442700		-	-	-	Pass	4.5	4.9	9
L2366947-03	SVI_IA02_110923	560	2.7L Can	11/01/23	442700	L2362341-02	Pass	-29.6	-3.2	-	-	-	-
L2366947-04	SVI_IA03_110923	0816	Flow 5	11/01/23	442700		-	-	-	Pass	4.5	4.7	4
L2366947-04	SVI_IA03_110923	3002	2.7L Can	11/01/23	442700	L2363206-06	Pass	-29.6	-5.3	-	-	-	-
L2366947-05	SVI_AA02_110923	0837	Flow 5	11/01/23	442700		-	-	-	Pass	4.5	5.0	11
L2366947-05	SVI_AA02_110923	492	2.7L Can	11/01/23	442700	L2363206-04	Pass	-29.6	-5.1	-	-	-	-
L2366947-06	UNUSED CAN #2188	01202	Flow 5	11/01/23	442700		-	-	-	Pass	4.5	5.0	11
L2366947-06	UNUSED CAN #2188	2188	2.7L Can	11/01/23	442700	L2362341-02	Pass	-29.6	-28.9	-	-	-	-
L2366947-07	UNUSED CAN #2430	0393	Flow 5	11/01/23	442700		-	-	-	Pass	4.5	4.7	4
L2366947-07	UNUSED CAN #2430	2430	2.7L Can	11/01/23	442700	L2362341-02	Pass	-29.6	-28.9	-	-	-	-
L2366947-08	UNUSED CAN #2033	01219	Flow 5	11/01/23	442700		-	-	-	Pass	4.5	5.3	16

Project Name: 2560-2580 BOSTON ROAD

Lab Number: L2366947

Project Number: 170684201

Report Date: 04/17/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2366947-08	UNUSED CAN #2033	2033	2.7L Can	11/01/23	442700	L2363206-04	Pass	-29.5	-12.0	-	-	-	-
L2366947-09	UNUSED CAN #3016	0159	Flow 5	11/01/23	442700		-	-	-	Pass	4.5	5.0	11
L2366947-09	UNUSED CAN #3016	3016	2.7L Can	11/01/23	442700	L2362341-02	Pass	-29.6	-29.0	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2362341
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362341-02
Client ID: CAN 2186 SHELF 18
Sample Location:

Date Collected: 10/19/23 16:00
Date Received: 10/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/20/23 20:14
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362341
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362341-02
Client ID: CAN 2186 SHELF 18
Sample Location:

Date Collected: 10/19/23 16:00
Date Received: 10/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362341
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362341-02
Client ID: CAN 2186 SHELF 18
Sample Location:

Date Collected: 10/19/23 16:00
Date Received: 10/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362341
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362341-02
Client ID: CAN 2186 SHELF 18
Sample Location:

Date Collected: 10/19/23 16:00
Date Received: 10/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362341
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362341-02
Client ID: CAN 2186 SHELF 18
Sample Location:

Date Collected: 10/19/23 16:00
Date Received: 10/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	101		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362341
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362341-02
Client ID: CAN 2186 SHELF 18
Sample Location:

Date Collected: 10/19/23 16:00
Date Received: 10/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/20/23 20:14
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362341
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362341-02
Client ID: CAN 2186 SHELF 18
Sample Location:

Date Collected: 10/19/23 16:00
Date Received: 10/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2362341
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2362341-02
Client ID: CAN 2186 SHELF 18
Sample Location:

Date Collected: 10/19/23 16:00
Date Received: 10/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-04
Client ID: CAN 3418 SHELF 13
Sample Location:

Date Collected: 10/24/23 08:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/25/23 22:36
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-04
Client ID: CAN 3418 SHELF 13
Sample Location:

Date Collected: 10/24/23 08:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-04
Client ID: CAN 3418 SHELF 13
Sample Location:

Date Collected: 10/24/23 08:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-04
Client ID: CAN 3418 SHELF 13
Sample Location:

Date Collected: 10/24/23 08:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-04
Client ID: CAN 3418 SHELF 13
Sample Location:

Date Collected: 10/24/23 08:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	95		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-04
Client ID: CAN 3418 SHELF 13
Sample Location:

Date Collected: 10/24/23 08:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/25/23 22:36
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-04
Client ID: CAN 3418 SHELF 13
Sample Location:

Date Collected: 10/24/23 08:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-04
Client ID: CAN 3418 SHELF 13
Sample Location:

Date Collected: 10/24/23 08:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-06
Client ID: CAN 403 SHELF 2
Sample Location:

Date Collected: 10/25/23 11:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/25/23 23:53
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-06
Client ID: CAN 403 SHELF 2
Sample Location:

Date Collected: 10/25/23 11:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-06
Client ID: CAN 403 SHELF 2
Sample Location:

Date Collected: 10/25/23 11:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-06
Client ID: CAN 403 SHELF 2
Sample Location:

Date Collected: 10/25/23 11:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-06
Client ID: CAN 403 SHELF 2
Sample Location:

Date Collected: 10/25/23 11:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-06
Client ID: CAN 403 SHELF 2
Sample Location:

Date Collected: 10/25/23 11:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/25/23 23:53
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-06
Client ID: CAN 403 SHELF 2
Sample Location:

Date Collected: 10/25/23 11:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2363206
Report Date: 04/17/24

Air Canister Certification Results

Lab ID: L2363206-06
Client ID: CAN 403 SHELF 2
Sample Location:

Date Collected: 10/25/23 11:00
Date Received: 10/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name: 2560-2580 BOSTON ROAD
Project Number: 170684201

Lab Number: L2366947
Report Date: 04/17/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2366947-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2366947-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2366947-03A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2366947-04A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2366947-05A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2366947-06A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()
L2366947-07A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()
L2366947-08A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()
L2366947-09A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	2560-2580 BOSTON ROAD	**Lab Number:**	L2366947
Project Number:	170684201	**Report Date:**	04/17/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	2560-2580 BOSTON ROAD	**Lab Number:**	L2366947
Project Number:	170684201	**Report Date:**	04/17/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	2560-2580 BOSTON ROAD	**Lab Number:**	L2366947
Project Number:	170684201	**Report Date:**	04/17/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name:	2560-2580 BOSTON ROAD	**Lab Number:**	L2366947
Project Number:	170684201	**Report Date:**	04/17/24

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL — CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 11/10/23

ALPHA Job #: L2366947

Client Information

Client: Langan
Address: 360 W 31st Street
Phone: 212 479 5400
Fax:
Email: Lesmail@Langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 2560-2580 Boston Road
Project Location: Bronx, NY
Project #: 170684201
Project Manager: Lamees Esmail
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: CC: maconica@Langan.com
datamanagement@Langan.com

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Subset Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
66947-01	SVI-SSV02_110923	11/9/23	930	-29.98	1640	-6.51	SV	SV/BK	2.7L	572	1119	X					Please report any compounds that would be reported as tentatively identified compounds (TICs)
02	SVI-SSV03_110923	11/9/23	819	-30.09	1609	-5.79	SV	SV/BK	2.7L	1952	2249	X					
03	SVI-IA02_110923	11/9/23	925	-30.04	1636	-3.52	AA	AA/BK	2.7L	560	1623	X					
04	SVI-IA03_110923	11/9/23	815	-30.39	1602	-5.59	AA	AA/BK	2.7L	2457	816	X					
05	SVI-AA02_110923	11/9/23	759	-30.06	1545	-5.05	AA	AA/BK	2.7L	492	837	X					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
B Kennealy	11/9/23 1650		11/9/23 16:50
	11/9/23 18:35	Anthony Green	NOV 09 2023 2027
Anthony Green	11/10/23 0020		11/10/23 0020
	11/10/23 0430		11/10/23 0430

Form No: 201-02 Rev. (25-Sep-15)

APPENDIX E

DATA USABILITY SUMMARY REPORT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

1 University Square Drive Princeton, NJ 08540 T: 609.282.8000
Mailing Address: 1 University Square Drive Princeton, NJ 08540

To: Lamees Esmail, Langan Project Engineer

From: Joe Conboy, Langan Senior Staff Chemist

Date: April 18, 2024

Re: Data Usability Summary Report
For 2560-2580 Boston Road
November 2023 Soil Vapor and Ambient Air Samples
Langan Project No.: 170684201

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of air samples collected in November 2023 by Langan Engineering and Environmental Services at the 2560- 2580 Boston Road site. The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs) by the methods specified below.

- VOCs by USEPA Method TO-15
- VOCs nu USEPA Method TO-15 SIM

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedure (SOP) #HW-31, "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15" (September 2016, Revision 6),
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator.

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. One SDG underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

- **R –** The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- **J –** The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- **UJ –** The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- **U –** The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- **NJ –** The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified in Table 2 (attached).

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. No minor deficiencies were identified.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. No other deficiencies were identified.

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:

Joe Conboy
Senior Staff Chemist