

August 15, 2022

Megan Kuczka, DER Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, New York 14203

Re: **Periodic Review Report – April 2022 Revised; DEC Site #C915312**
Pierce Arrow Business Center, 155-157 Chandler Street, Buffalo, New York

Dear Ms. Kuczka:

In accordance with the Site Management Plan (NYSDEC Site Number: C915312), Section 7.2 Periodic Review Report, NYSDEC's March 15, 2022 letter to Mr. Rocco Termini regarding the preparation and submittal of a Site Management Periodic Review Report and IC/EC Certification, please find attached a revised Periodic Review Report that includes the appropriate certifications and the 2021-2022 Routine Progress Report.

If you have comments or questions regarding the contents of these documents, please contact me directly.

Very truly yours,
ENVIRONMENTAL ADVANTAGE, INC.



C. Mark Hanna, CHMM
President

Attachments

cc: R. Termini
J. Rothschild
J. Schenne
S. Selmer (NYSDOH)

Periodic Review Report

April 27, 2021 – April 27, 2022 Reporting Period

Pierce Arrow Business Center

155-157 Chandler Street
Buffalo, New York 14207

NYSDEC Site Number: C915312

Prepared by:

Environmental Advantage, Inc.
3636 North Buffalo Road
Orchard Park, New York 14127
(716) 667-3130

May 27, 2022

Revised August 15, 2022

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Certifications

For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:

- The inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
- The institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by DER¹;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control;
- Access to the Site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- Use of the site is compliant with the environmental easement;
- The engineering control systems are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program and generally accepted engineering practices;
- No new information has come to the remedial party (site owners) attention, including groundwater monitoring data from wells located at the Site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of off-Site contamination are no longer valid; and
- The information presented in this report is accurate and complete.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, C. Mark Hanna, CHMM, President of Environmental Advantage, Inc., 3636 N. Buffalo Road, Orchard Park, NY 14127, am certifying as Owner's/Remedial Party's Designated Site Representative.

<u>0696</u>		<u>May 27, 2022</u>
CHMM Certification #	Signature	Date

¹ "DER-10/Technical Guidance for Site Investigation and Remediation" prepared by New York State Department of Environmental Conservation (NYSDEC), dated May 3, 2020

1.0 SITE OVERVIEW

1.1 Site Summary

The Pierce Arrow Business Center Property ("Site") is an approximately 2.35 acre property located at 155-157 Chandler Street in the City of Buffalo, Erie County, New York. The Site location and boundaries are provided in Figure 1, located in Appendix A. The Site consists of an approximate 65,000-square foot building, 22,000-square foot courtyard within the central area of the building and an approximate 0.39 acre parking lot area. The Site is zoned D-C Flex Commercial, which permits Residential, Retail, and Service, and Light Industrial uses. The neighborhood surrounding the Site primarily includes light industrial, commercial, and residential properties.

1.2 Site Remedial History

The Site building was originally constructed in 1907 and utilized as a factory occupied by Linde Air Products until the early-1950s. Bell Aircraft Corp. occupied the Site in the early-to-mid 1950s, which was then purchased by Donald Rosen in 1958, who utilized the property for G & R Machinery (machine shop). The Site was purchased by Ontario Equipment Co. in 2005, and by R&M Leasing, LLC in February 2017.

Brownfield Cleanup Agreement (BCA Index No. C915312-02-17²) was executed on April 24, 2017 for the Site, which identified the property as Site # C915312 with the New York State Department of Environmental Conservation (NYSDEC) under the Brownfield Cleanup Program (BCP). Hazard Evaluations Inc. (HEI), in association with Schenne & Associates (S&A), completed remedial investigation (RI) activities, as well as interim remedial measure (IRM) activities, in accordance with an RI/IRM Work Plan³, which was approved by NYSDEC on April 20, 2017. The RI and IRM work was done concurrently, with additional investigation or IRM work completed, as needed. A series of IRM work tasks were performed at the Site in order to remediate the on-Site concerns as detailed in the Final Remedial Investigation-Interim Remedial Measures-Alternative Analysis Report⁴ and Final Engineering Report⁵. IRM work tasks completed at the Site included the following:

Courtyard Area:

- Asbestos containing materials (ACMs) were identified within the courtyard area which resulted in the need to remove the top two inches of soil. A composite characterization sample was collected for landfill disposal. Test

2 Brownfield Cleanup Agreement for the Pierce Arrow Business Center Site, executed between NYSDEC and R & M Leasing LLC and Signature Development WNY LLC, April 24, 2017.

3 Remedial Investigation-Interim Remedial Measures-Alternative Analysis Work Plan; Brownfield Cleanup Program For Pierce Arrow Business Center; 155-157 Chandler, Buffalo, New York, 14207; BCP # C915312", prepared by Hazard Evaluations, Inc., and Schenne & Associates, November 11, 2016 – Revised May 22, 2017.

4 "Final Remedial Investigation-Interim Remedial Measures-Alternative Analysis Report; Brownfield Cleanup Program For Pierce Arrow Business Center; 155-157 Chandler, Buffalo, New York, 14207; BCP # C915312", prepared by Hazard Evaluations, Inc., and Schenne & Associates, December 5, 2017.

5 "Final Engineering Report; Brownfield Cleanup Program for Pierce Arrow Business Center, 155-157 Chandler, Buffalo, New York 14207; BCP # C915312" prepared by Hazard Evaluations, Inc., and Schenne & Associates, December 2017.

results identified PCBs at a concentration of 53 parts per million (ppm), which prompted further IRM work within the courtyard area.

- ACMs soils, which were identified by AMD Environmental, the Owner's representative, were excavated and disposed off-Site as PCBs-containing soil. The soils were disposed at a Waste Management facility in Emelle, Alabama.
- After the courtyard was deemed as ACMs free, additional soil excavations were completed under the guidance of HEI. Soil containing over 50 ppm of PCBs was excavated from the courtyard area and disposed off-Site.
- Additional materials removal was completed from the courtyard area, which included the following:
 - Brick was generated from pavers that were present within the courtyard. Concrete was generated from former pad areas, as well as from foundations within the courtyard area. The brick and concrete materials were disposed off-Site at a Waste Management facility in Chaffee, New York.
 - Further soil excavations were completed, generally to depths of 2 to 3 feet below original grade, into the native underlying clay soils. Soils that contained PCBs below 50 ppm, but over the Restricted Residential Use Soil Cleanup Objective (RRUSCO) standard of 1 ppm, were excavated and disposed at a Waste Management facility in Chaffee, New York.
- One 2,000-gallon gasoline underground storage tank (UST) was located within the courtyard area. The tank was uncovered and approximately 150 gallons of a gasoline/water mixture were pumped from the tank. Upon removal, the steel tank was cleaned and crushed for recycling at the Niagara Metals LLC scrap yard. A limited amount of impacted soil was present on the bottom and northern sidewall. The impacted soil was excavated and disposed off-Site at a Waste Management facility in Chaffee, New York.
- Three drainage structures or "pits" were also identified within the courtyard area. Each drainage structure was excavated and any associated impacted soil was removed and disposed off-Site at a Waste Management facility in Chaffee, New York.
- Historical records identified the potential for a 10,000-gallon above ground storage tank (AST) vault to be present near the former boiler room. During the removal of a concrete pad, the vault area was discovered under the concrete pad. Once the concrete was removed, the vault was found to be filled with brick and sand.
 - A sample of the sand material was analyzed for PCBs, which indicated a PCBs-concentration over 50 ppm. The sand and brick materials were subsequently removed from the vault and the materials were disposed off-Site at a Waste Management facility in Emelle, Alabama.
 - A concrete footer was located within the vault, measuring approximately 18-inches wide and extending over four feet. The vault had a concrete floor/base that was approximately six inches thick. Due to the vault's proximity to the chimney, the vault footer was required to remain in

place, as removal would risk compromising the structural stability of the chimney foundation.

- Sidewall and bottom samples were collected from the UST excavation area, former vault area, and the drainage structure or “pit” areas. Additionally, confirmatory soil samples were selected from the bottom of the excavation which occurred in the courtyard area. Soil sample results did not identify impacts above the RRUSCO.

Parking Lot Area:

- Due to the presence of metals and SVOCs within the fill material, the three to four feet of fill material within the parking lot area was scheduled for removal during the IRM work. Initial waste characterization samples identified portions of the parking lot at concentrations deemed as hazardous due to characteristic of lead toxicity. Additional delineation work was completed to evaluate areas with lead impacts.
- The lead soils were stabilized on-Site using the MAECTITE® stabilization process, a proprietary process completed by Severson Environmental. The stabilization process bound the lead, preventing further leaching. As such, the soil was able to be disposed as non-hazardous soil.
- The parking lot area was then excavated to a depth of three to four feet below grade to the underlying native clay soils. Approximately 2,200 tons of soil were excavated and disposed off-Site at a Waste Management facility in Chaffee, New York.
- Confirmatory soil samples were collected from the sidewall and bottom of the excavation within the parking lot area. Analytical test results did not identify compounds above RRUSCO.

Under Building Area:

- The Site was on a fast track for Site development. As such, HEI worked with the Site Owner to investigate and evaluate specific areas under the building proposed for future water and/or sewer lines. Additionally, sub-slab soil samples were collected and if impacts were identified, the soil was excavated. Concrete samples were also collected to determine if PCBs were present.
- During RI work, specific areas of impact were identified. For each area, the soil surrounding the area was excavated and sidewall and bottom samples were collected, which did not exhibit further exceedances. Soil from under the building was excavated and disposed off-Site at a Waste Management facility in Chaffee, New York.
- PCBs were identified within the concrete floor at various locations, specifically in the southwestern corner of the structure. The concrete was subsequently removed and disposed off-Site at a Waste Management facility in Chaffee, New York. Confirmatory samples were collected from the adjoining concrete floor, which did not identify any PCBs concentrations above RRUSCO.

A Certificate of Completion was issued for the Site on December 27, 2017⁶.

⁶ New York State Department of Environmental Conservation, “Certificate of Completion for the Pierce Arrow

1.3 Institutional and Engineering Controls

Since remaining contamination exists at the Site, Institutional Controls (ICs) and Engineering Controls (ECs) as outlined in the Site Management Plan (SMP)⁷ were required to protect human health and the environment, and include the following:

Institutional Controls:

- The property may be used for restricted residential, commercial, and/or industrial uses;
- All ECs must be operated and maintained as specified in the SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to Site management must be reported at the frequency and in a manner as defined in the SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP;
- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 1, and any potential impacts that are identified must be monitored or mitigated; and
- Vegetable gardens and farming on the Site are prohibited.

Engineering Controls:

- Four (4) Sub-Slab Depressurization (SSD) systems were installed in the southwestern portion of the Site, in proximity to SS-3/IA-3 and SS-4/IA-4 sample locations. The system objectives and performance goals include the following elements:

Business Center", dated December 27, 2017

⁷ "Pierce Arrow Business Center, 155-157 Chandler, Erie County, Buffalo, New York, Site Management Plan, NYSDEC Site Number: C915312", prepared by Hazard Evaluations, Inc., and Schenne & Associates, dated December 14, 2017.

- Reduce and maintain indoor air concentrations to levels below the NYSDOH Soil Vapor Guidance Document Matrix A;
- Maintain a minimum of 0.25 inches of water column in the four SSD systems, measured in the exhaust piping manometer located 5-feet above the finished floor, to limit vapors from entering the building's indoor air while also releasing the trapped vapor beneath the slab; and,
- Demonstrate system effectiveness while maintaining continuous operation of the SSDS, with no significant non-operating time.

The SSD systems were installed in November 2017, with a system start date of November 8, 2017. SSD system locations within the building are identified in Figure 2, provided in Appendix A. The four (4) mitigation fans are individually monitored with a dedicated (air-flow) alarm system, which is mounted to the system pipe to alert users of a low or no flow condition. Each fan also includes an interior mounted manometer installed at eye level to provide a visual indication to the tenants that the system is operating. In the event that a fan loses power or vacuum an audible alarm with a blinking LED light will notify the tenant of the no air flow condition. The operation of the components of the remedy will continue until the remedial objectives have been achieved, or until the NYSDEC determines that continued operation is technically impracticable or not feasible.

1.4 Monitoring and Sampling Requirements

The Monitoring and Sampling Plan included in the SMP describes the measures for evaluating the overall performance and effectiveness of the remedy. The Monitoring Plan includes the following:

- Site-wide inspection performed a minimum of once per year, as noted in SMP.
- Evaluate the potential for soil vapor intrusion for any buildings developed on the Site, including provisions for mitigation of any impacts identified.
- Monitoring of the four (4) SSD systems including the following:
 - Annual visual inspection of the complete system conducted during each monitoring event. SSD system components are to be monitored including, but not limited to, vacuum blower and general system piping.
 - Annual indoor air sampling to assess the effectiveness of the four (4) SSD systems. The SSD system locations are shown in Figure 2 (Appendix A).
- Annual sampling and analysis of groundwater at one existing monitoring well (MW-3) for VOCs, using USEPA Method 8260 TCL. The monitoring well location is identified in Figure 3.

2.0 SITE INSPECTION AND MONITORING RESULTS

2.1 Site Inspections

In response to detections of trichloroethene (TCE) in the indoor air during the previous 2020-2021 monitoring period, on June 17, 2021, EA collected follow-up indoor air samples at location IA-6 and completed an SSD inspection to assure the

SSD systems were operating properly as designed. Copies of the Site-wide inspection report, building inventory, and field notes are included in Appendix B. The following was noted during the June 2021 inspection:

- The four SSD systems appeared to be functioning properly at the time of the inspection, as positive pressure differential readings were recorded as follows:
 - SSDS-1 operated at one-inch of water;
 - SSDS-2 operated at one-inch of water;
 - SSDS-3 operated at 1.5 inches of water; and
 - SSDS-4 operated at one-inch of water.
- EA collected air sample canisters at the IA-6 indoor location, with an adjacent exterior door slightly propped open to allow for some fresh air infiltration. Air sample canisters were submitted to Alpha Analytical for VOCs analysis via USEPA method TO-15. Air testing results are described in Section 2.2 below.

On December 2, 2021, EA completed a Site-wide inspection and collected annual SMP compliance indoor air samples at locations IA-1 through IA-6 to assure the SSD systems were operating properly as designed. At the direction of the NYSDEC⁸, two additional indoor air samples were collected as well at this time from two rooms adjacent to the location of IA-6, designated as IA-7 and IA-8 as part of a corrective measure, as further described below in Section 2.2. Additionally, annual sampling and analysis of the Site groundwater was also performed at MW-3, as is described in Section 2.3 below. Copies of the Site-wide inspection report, building inventory, and field notes are included in Appendix B. The following was noted during the SSD system inspection:

- The four SSD systems appeared to be functioning properly at the time of the inspection, as positive pressure differential readings were recorded as follows:
 - SSDS-1 operated at one-inch of water;
 - SSDS-2 operated at one-inch of water;
 - SSDS-3 operated at 1.5 inches of water; and
 - SSDS-4 operated at one-inch of water.
- EA collected air sample canisters at eight indoor locations and one outdoor location and submitted the air canisters to Alpha Analytical for VOCs analysis via USEPA method TO-15. Air testing results are described in Section 2.2.

Based on the findings of the December 2021 indoor air sampling event, EA completed a follow-up SSD system inspection and collected additional indoor air samples on March 29, 2022 at three locations in the vicinity of IA-6 as part of a corrective measure. Copies of the Site-wide inspection report, building inventory, and field notes are included in Appendix B. The following was noted during this March inspection:

⁸ "Site Management (SM) – Periodic Review Report (PRR) & June 2021 Indoor Air Sampling Results Response Letter" prepared by Megan Kuczka of NYSDEC, August 4, 2021.

- The four SSD systems appeared to be functioning properly at the time of the inspection, as positive pressure differential readings were recorded as follows:
 - SSDS-1 operated at one-inch of water;
 - SSDS-2 operated at one-inch of water;
 - SSDS-3 operated at 1.5 inches of water; and
 - SSDS-4 operated at one-inch of water.
- EA collected three indoor air samples with three corresponding sub-slab samples and one outdoor air sample canister in the vicinity of location IA-6 and submitted the air canisters to Alpha Analytical for VOCs analysis via USEPA method TO-15. Air testing results are described in Section 2.2 below.

2.2 Indoor Air Sampling Results

Annual indoor air sampling is required to assess the effectiveness of the four (4) SSD systems. The SSD system locations, along with indoor air sampling locations, are included on Figure 2 (Appendix A).

As detailed in the previous 2020 – 2021 Periodic Review Report (PRR)⁹ and Soil Vapor Intrusion Investigation Work Plan dated March 15, 2022¹⁰, during the previous annual Site-wide inspection and air sampling event completed in December 2020, trichloroethene (TCE) was detected at a concentration of 2.96 micrograms per cubic meter (ug/m^3) at the IA-6 location, which exceeds its respective New York State Department of Health (NYSDOH) air guideline value (AGV) value of $2 \text{ ug}/\text{m}^3$ as outlined in the Guidance for Evaluating Soil Vapor Intrusion in New York State¹¹. As a result of this December 2020 exceedance, EA collected a follow up indoor air sample from this location in February 2021. TCE was again detected at a concentration of $2.96 \text{ ug}/\text{m}^3$ at IA-6.

Due to the NYSDOH AGV exceedances for TCE at the IA-6 location as discussed above, EA contacted the Site Owner, Mr. Rocco Termini, and recommended that the location of IA-6, which is an unoccupied pass-through hallway containing mailboxes, be better ventilated. On March 26, 2021, Mr. Termini had a ceiling exhaust fan installed within the hallway in an attempt to improve ventilation. Following the installation of the exhaust fan, EA collected an additional follow up indoor air sample from this location on March 31, 2021. TCE was detected at a concentration of $14 \text{ ug}/\text{m}^3$, which exceeds both its respective NYSDOH AGV and USEPA Commercial Indoor Air Background (90th percentile) guideline values of $2 \text{ ug}/\text{m}^3$ and $4.2 \text{ ug}/\text{m}^3$, respectively. EA surmised that the more elevated results observed at the IA-6 location may be related to the ceiling fan creating a negative

9 Periodic Review Report – April 2021 – Revised; DEC Site #C911532”, prepared by Environmental Advantage, Inc., dated July 16, 2021.

10 “Soil Vapor Intrusion Investigation Work Plan for Pierce Arrow Business Center” prepared by Environmental Advantage, Inc., dated March 15, 2022, approved by NYSDEC on April 1, 2022.

11 “Guidance for Evaluating Soil Vapor Intrusion in New York State” prepared by NYSDOH, October 2006, updated May 2017.

pressure within the hallway, even though there was no historical record of any underlying concrete slab or sub-slab TCE contamination in this area of the facility based on the pre-design sampling results collected in September 2017.

During the current monitoring period (2021-2022), and for strictly test protocol purposes, EA collected an air sample at the IA-6 location on June 17, 2021, with the two man-door entrances to the pass-through hallway propped open approximately one inch each to allow the infiltration of fresh outdoor air. Indoor air analytical results are summarized on Tables 1 through 3 located in Appendix C and the laboratory reports are included in Appendix D. As shown on Table 1 and Table 3, up to ten VOCs were detected within the IA-6 (061721) indoor air sample. All compounds were detected at concentrations below their respective NYSDOH AGV and USEPA commercial indoor and outdoor air background levels. TCE was detected at a concentration of 1.31 ug/m^3 , which is below its respective NYSDOH AGV of 2 ug/m^3 . Based on these results, Mr. Termini proposed to install two approximate 10-inch by 12-inch passive vents within each of the man-door entrances to the unoccupied mail room/location of IA-6 to allow the infiltration of fresh outdoor air which was proposed to the Department in the July 16, 2021 Summary Letter – June 2021 Indoor Air Sampling Results¹² letter report. The Department approved the passive door vent installation remedy and requested additional air sampling post-installation as detailed in the August 4, 2021 Periodic Review Report & June 2021 Indoor Air Sampling Results Response Letter¹³. Passive vent installation was completed in the mailroom (location of IA-6) at the end of October 2021 by building maintenance.

During the December 2, 2021 Annual SMP compliance air sampling event, EA collected six indoor and one outdoor air samples at locations IA-1 through IA-6, and OA-1 to assure the SSD systems were operating properly as designed. At the request of the Department as stated in the August 4, 2021 Periodic Review Report & June 2021 Indoor Air Sampling Results Response Letter, two additional post passive vent installation indoor air samples were collected from two rooms adjacent to the mail room (location of IA-6) designated as IA-7 and IA-8, air sample locations from the December 2021 sampling event are shown on Figure 2. The samples were collected over an 8-hour period and were submitted for VOCs analysis via USEPA method TO-15. Indoor air analytical results are summarized on Tables 1 through 3 located in Appendix C and the laboratory reports are included in Appendix D. As shown on Table 2 and Table 3, 21 individual VOC parameters were detected within the six SMP compliance indoor air samples and one outdoor air sample. Most compounds were detected at concentrations below their respective NYSDOH AGV and USEPA commercial indoor and outdoor air background levels. However, the following results were noted:

- o Acetone was detected in all six indoor air samples collected from locations IA-1 (120221) through IA-6 (120221), exhibiting concentrations above its

¹² “Summary Letter – June 2021 Indoor Air Sampling Results” prepared by Environmental Advantage, Inc., July 2021.

¹³ “Site Management (SM) – Periodic Review Report (PRR) & June 2021 Indoor Air Sampling Results Response Letter” prepared by Megan Kuczka of NYSDEC, August 4, 2021.

respective commercial indoor air background levels at the IA-3 (120221), IA-4 (120221), and IA-5 (120221) locations. Acetone was also detected in the outdoor air sample OA-1 (120221).

- o Ethanol was detected in all six indoor air samples collected from locations IA-1 (120221) through IA-6 (120221), exhibiting concentrations above its respective commercial indoor air background levels at the IA-3 (120221) location. Ethanol was also detected in the outdoor air sample OA-1 (120221).
- o Ethyl acetate was detected at the IA-3 (120221) location, exhibiting a concentration above its respective commercial indoor air background levels. Ethyl acetate was not detected in the other five indoor air samples or outdoor air sample.
- o Carbon tetrachloride was detected in all six indoor air samples collected from locations IA-1 (120221) through IA-6 (120221), however at concentrations below its respective commercial indoor air background levels. Carbon tetrachloride was also detected in the outdoor air sample OA-1 (120221).
- o Cis-1,2-Dichloroethene was detected in the IA-5 (120221) indoor air sample, however at concentrations below its respective commercial indoor air background levels. Cis-1,2-Dichloroethene was not detected in the outdoor air sample OA-1 (120221).
- o Methylene chloride was detected in the IA-5 (120221) indoor air sample, however at concentrations below its respective commercial indoor air background levels. Methylene chloride was also detected in the outdoor air sample OA-1 (120221).
- o Tetrachloroethene (PCE) was not detected in any of the indoor or outdoor air samples.
- o TCE was detected in all six indoor air samples collected at concentrations ranging from 0.118 ug/m³ at IA-3 (120221) to 1.73 ug/m³ at IA-6 (120221), all of which were below their respective commercial background level of 4.2 ug/m³ and NYSDOH AGV of 2 ug/m³. TCE was also detected in the outdoor air sample OA-1 (120221).

Post-vent installation indoor air sampling yielded acceptable TCE results at the IA-6 (120221) location as had been anticipated with TCE detected at a concentration of 1.73 ug/m³, which is below its respective NYSDOH AGV of 2 ug/m³. However, TCE was detected at a concentration of 17.5 ug/m³ at the IA-7 location and 18.0 ug/m³ at the IA-8 location, which is above both the NYSDOH AGV and USEPA Commercial Indoor Air Background (90th percentile) guideline value. IA-7 was located in the southern adjacent room (from the IA-6 location) which is currently part of Buffalo Cider Hall and is utilized for storage of kegs, dry goods, and other restaurant supplies, and IA-8 was located in the eastern adjacent room which is

currently also part of Buffalo Cider Hall and is currently utilized for restaurant seating. An open doorway is located between where IA-7 and IA-8 are located; therefore the rooms were unable to be isolated during sampling activities. The location of the additional indoor air samples collected is illustrated in Figure 4. The Post-vent installation sample results are included in Table 3 with the historical sampling results.

As shown on Table 2 and Table 3, 21 individual VOC parameters were detected within the post-vent installation indoor air samples. Most compounds were detected at concentrations below their respective NYSDOH AGV and USEPA commercial indoor and outdoor air background levels. However, the following results were noted:

- o Acetone was detected in both IA-7 (120221) and IA-8 (120221) exhibiting concentrations above its respective commercial indoor air background levels at both locations. As mentioned above, Acetone was also detected in the outdoor air sample OA-1 (120221).
- o Ethanol was detected in both IA-7 (120221) and IA-8 (120221) exhibiting concentrations above its respective commercial indoor air background levels at both locations. Ethanol was also detected in the outdoor air sample OA-1 (120221).
- o Carbon tetrachloride was detected in both IA-7 (120221) and IA-8 (120221), however at concentrations below its respective commercial indoor air background levels. Carbon tetrachloride was also detected in the outdoor air sample OA-1 (120221).
- o Cis-1,2-Dichloroethene was detected in both IA-7 (120221) and IA-8 (120221), however at concentrations below its respective commercial indoor air background levels. Cis-1,2-Dichloroethene was not detected in the outdoor air sample OA-1 (120221).
- o Methylene chloride was detected in the IA-7 (120221) indoor air sample, however at concentrations below its respective commercial indoor air background levels. Methylene chloride was also detected in the outdoor air sample OA-1 (120221).
- o Tetrachloroethene (PCE) was not detected in either IA-7 (120221), IA-8 (120221), or OA-1 (120221).
- o TCE was detected in both IA-7 (120221) and IA-8 (120221) at concentrations of 17.5 ug/m³ and 18.0 ug/m³, respectively. Both of which are above the commercial background level of 4.2 ug/m³ and NYSDOH AGV of 2 ug/m³. TCE was also detected in the outdoor air sample OA-1 (120221).

With respect to sampling locations IA-6, and adjacent IA-7 and IA-8, during the remedial design phase of the IRM completed in September 2017, soil vapor intrusion

samples were collected within the vicinity of the IA-6 location (approximately \pm 10-feet from the current IA-6 location). This original monitoring event was conducted within an open floor space as no interior construction has been initiated in this part of the structure. For this original event, TCE was detected at a concentration of 0.64 ug/m³ in the indoor air sample collected (below the NYSDOH AGV of 2 ug/m³); however, TCE was not detected in the associated sub-slab sample collected. Due to these results, no further action was required in this area.

Upon the installation of the four separate Sub-Slab Depressurization Systems (SSDS-1 through SSDS-4) in the south-western area of the structure, monitoring points IA-2 through IA-5 were selected to be used annually to monitor the effectiveness of the SSDS remedy. All four of these locations are positioned to monitor the effectiveness of the existing SSD Systems' operation. IA-1 and IA-6 were selected inside the structure prior to the interior building wall construction strictly as background locations to provide blanket coverage of the interior of the building. IA-6 was specifically selected based on the one-time detection of 0.64 ug/m³ of TCE in the original indoor air monitoring. The IA-6 location and adjacent IA-7 and IA-8 locations are a considerable distance from any of the four operating SSD systems and the SSD systems have no influence in this area.

The results of the December 2021 monitoring and sampling event were provided to the Department in a summary letter¹⁴ in which EA presented the following:

According to the NYSDOH Soil Vapor/Indoor Air Matrix A, 2017 update, the appropriate action with a sub-slab concentration of less than 6 ug/m³ with an accompanying indoor air concentration of 1 ug/m³ and above for TCE is to "identify source(s) and resample or mitigate". Further investigation into the source of the TCE in this area of the building is warranted. The next step is to complete sub-slab air sampling accompanied by corresponding indoor air sampling to identify if there is an unidentified source area that was either not previously investigated, or if building development may have created a [preferential] pathway for sub-slab vapors which was not present during [the] pre-SSDS design soil vapor intrusion (SVI) assessment.

The Department responded in a letter dated February 23, 2022, requesting the submittal of a work plan¹⁵. The Work plan was submitted to the Department on March 15, 2022, and EA completed the Soil Vapor Intrusion Investigation on March 29, 2022 before the end of the NYSDOH defined heating season. The Department subsequently formally approved the SVI Investigation Work Plan on April 1, 2022. The results of the March 2022 SVI Investigation are further described in Section 3.0 below.

14 "Summary Letter – Post Passive Vent Installation Indoor Air Sampling Results. Revised", prepared by Environmental Advantage, Inc., dated February 17, 2022.

15 "Site Management (SM) – Post Passive Vent Installation Indoor Air Sampling Results Response Letter" prepared by Megan Kuczka of NYSDEC, February 23, 2022.

2.3 Groundwater Monitoring and Sampling

Annual sampling and analysis of groundwater at the one existing monitoring well, identified as MW-3, was performed as required by the SMP. Groundwater samples were collected on December 2, 2021 for VOCs analysis via USEPA Method 8260 TCL (total compound list). The monitoring well is identified in Figure 3. Prior to sample collection, the static groundwater level and total well depth were measured. The monitoring well depth was measured at 18.5 feet below ground surface and groundwater levels were recorded at 2.55 feet below ground surface. During well purging activities, field measurements of pH, specific conductivity, temperature, and turbidity were recorded. Once the parameters stabilized, EA collected the groundwater using low flow sampling techniques.

Groundwater analytical test results are summarized on Table 4, provided in Appendix C. VOCs were not detected in either the MW-3 sample or duplicate sample. VOCs have not been detected at concentrations exceeding their respective Class GA criteria since IRM activities were completed in 2017. The laboratory analytical report is included in Appendix D.

2.4 Data Usability Summary

The analytical data from the air and groundwater samples collected from April 2021 through March 2022 were submitted for independent review, as required by NYSDEC. Vali-Data of WNY, LLC, located in West Falls, New York, completed the data usability summary reports (DUSRs). The DUSRs are provided in Appendix E and were prepared using guidance from the USEPA Region 2 Validation Standard Operating Procedures, USEPA National Functional Guidelines for Data Review, and professional judgement. Indoor air and groundwater samples were collected as described above and were evaluated as described below:

Groundwater Sample December 2021 – Alpha Lab Report L2166429:

The results for one groundwater sample, one blind duplicate, one trip blank, and one rinsate blank were processed for VOCs. In general, the samples were noted to be either usable or with minor qualifications. However, the following items were noted:

- VOCs data are acceptable for use except where qualified in laboratory control samples, MS/MSD, compound quantitation, initial calibration, and continuing calibration.
- All criteria were met in the laboratory control samples except the %Rec of Cyclohexane was outside QC limits, high in WG1582628-3,-4 and should be qualified as estimated. This target analyte was not detected in the samples so no further action is required.
- All criteria were met in the MS/MSD sample except the %Rec of Chloromethane, 2-Butanone and Cyclohexane was outside QC limits, high in MW-3(120221)MS/MSD and should be qualified as estimated. These target analytes were not detected in the associated samples, so no further action is required.
- All criteria were met in the Compound Quantitation except Acetone was detected above the MDL, below the reporting limit and is qualified as

estimated in RINSATE BLANK(120221). This target analyte was not detected in the associated samples, so no further action is required.

- All criteria were met in the Initial Calibration except the RRF of 1,4-Dioxane and 1,1,2-Trichloroethane was outside QC limits in the initial calibration and WG1487567-9. These target analytes should be qualified as estimated in the blanks, spikes and samples.
- All criteria were met in the Continuing Calibration except the RRF of 1,4-Dioxane and 1,1,2-Trichloroethane was outside QC limits in WG1582628-2. The %D of Chloroethane, Chloromethane, Vinyl chloride, 1,1-Dichloroethane and Cyclohexane was outside QC limits in WG1582628-2. These target analytes should be qualified as estimated in the blanks, spikes and samples. Several target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.
- No target analytes were detected in the samples so no further action is required.

Ambient Air Samples December 2021 – Alpha Lab Report L2166417:

The results for eight indoor air samples, one blind duplicate, and one outdoor air samples were processed for VOCs. In general, the samples were noted to be either usable or with minor qualifications. However, the following items were noted:

- VOCs data are acceptable for use except where qualified in Holding Times and Canister Certification Blanks
- All results were recorded to the reporting limits; and
- Samples IA-5 (120221), IA-4 (120221), IA-4 (120221) DUPLICATE, IA-3 (120221), IA-7 (120221), and IA-8 (120221) were diluted due to high target analyte concentrations in the TO-15 analysis.
- All holding times were met except sample #8 [IA-6 (120221)] arrived at the lab with 0 inches Hg pressure. All target analytes in this sample should be qualified as estimated.
- All criteria were met except Chloroform was detected in IA-4 (120221) DUPLICATE but was not detected in IA-4 (120221).
- All criteria were met except Tetrachloroethene was detected above the reporting limit in L2164399-01 can3244(SIM). This target analyte was not monitored in this analysis, so no further action is required.

Soil Vapor Intrusion Air Samples March 2022 – Alpha Lab Sample L2055692:

The results for three indoor air samples, three sub-slab air samples, and one outdoor air samples were processed for VOCs. In general, the samples were noted to be either usable or with minor qualifications. However, the following items were noted:

- The data are acceptable for use except where qualified below in Initial Calibration;
- Sample: DUSR ID#4 (SS-10(032922)/L2217738-04) was diluted due to pressurization of the can;
- All results were recorded to the reporting limits; and

- All criteria were met except a target analyte (Acetone) was outside QC limits in the initial calibration verification off instrument, Airlab16. This target analyte should be qualified as estimated in the associated blanks, spikes and samples.

2.5 Electronic Data Deliverables

As per NYSDEC, all aforementioned data were submitted electronically to the NYSDEC EQUIS system. Confirmation emails of successful data submittal are provided in Appendix F.

2.6 Certification Status

The completed Institutional and Engineering Controls Certification Form is included in Appendix G. **Please Note:** It is EA's opinion that the four SSD Systems are operating as designed and that the presence of TCE in the indoor air samples in the vicinity of IA-6, IA-7, and IA-8, and SS-7/IA-7(032922), SS-9/IA-9(032922), and SS-10/IA-10(032922) (described below) are not associated with the operation of those systems. As further described below in Section 3.0, TCE exceedances in this area of the building is actively being investigated to determine if a practical, long term solution can be implemented during the current 2022-2023 monitoring and reporting period. All investigation activities and a description of the solution as applied will be addressed in correspondence with the NYSDEC as well as summarized in the 2023-2023 PRR.

3.0 CORRECTIVE ACTIONS

3.1 Passive Vent Installation

As a means to mitigate TCE concentrations in the indoor air of the unoccupied hallway where IA-6 is located, on March 26, 2021 a ceiling exhaust fan was installed within the hallway in an attempt to improve ventilation. Follow-up indoor air samples collected from this location post-fan installation exhibited a TCE concentration of 14 ug/m³. A different scenario was tested in June 2021, with fresh air introduced into the hallway location of IA-6, which produced favorable indoor air sample results for TCE. As a result, two approximate 10-inch by 12-inch passive vents were installed within each man-door entrance of the IA-6 hallway at the end of October 2021 by building maintenance. As discussed above in Section 2.2, post-vent install air sampling completed in December 2021 exhibited favorable TCE results in the area of IA-6; however, air samples collected in adjacent rooms, IA-7 and IA-8, respectively, exhibited elevated concentrations of TCE in the ambient indoor air. The results of the December 2021 air sampling event warranted additional investigation.

3.2 Soil Vapor Intrusion Investigation – March 2022

In accordance with the March 15, 2022 Draft SVI Investigation Work plan, EA completed a Soil Vapor Intrusion Investigation in the vicinity of IA-7 and IA-8 on March 29, 2022 before the end of the NYSDOH defined heating season. Prior to sample collection, a Building Survey consisting of an inspection of the existing on-site facility and product inventory was conducted to assess the current conditions in

proposed sampling areas and determine the likelihood of existing chemicals of concern that may be present that could influence the vapor test results. A photo-ionization device (PID) equipped with an 11.7 evp organic vapor meter (OVM) was also used to monitor indoor air and scan vapors of individual containers that may be present. The complete building survey is included in Attachment B.

In accordance with NYSDOH recommendations, the HVAC system was confirmed to be activated during the investigation. In addition, EA sealed off individual rooms where air samples were taken in order to limit potential airflow from adjoining rooms. EA shut all doors and duct taped poly sheeting across entrances where there were no doors.

Three (3) temporary sub-slab sampling points were then installed by EA, at locations as shown on Figure 5. SS-7 was installed in a storage closet area of the Buffalo Cider Hall, SS-9, was installed in the bar area of the Buffalo Cider Hall, and SS-10 was installed in the “basement” stairway in the event center area of the Buffalo Cider Hall. Sub-slab sampling points were core-drilled with a 1/2-inch drill bit into a competent portion of the concrete floor, away from cracks or drains. Each core-hole was screened for VOCs with PID equipped with an 11.7 evp OVM with the readings recorded in the field notes for each sampling location. The results of the sub-slab PID screening are as follows:

- SS-7(032922) 1.0ppm,
- SS-9(032922) 0.0ppm,
- SS-10(032922) 15.0ppm.

Clean, dedicated 1/4-inch inside diameter polyethylene tubing was placed into each core-hole with care taken to not extend the tubing further than 2-inches into the sub-slab material. Each core-hole annulus was then sealed at the floor surface with non-VOC containing modeling clay. Once it was determined that the sampling system was sealed based on inspection, each sample probe and tube was purged of one to three volumes, and sub-slab sampling was initiated at each location, utilizing a 2.7-liter capacity Summa canister fitted with a laboratory calibrated flow regulation devise to allow the collection of the soil gas sample over an 8-hour sample collection time. Three ambient indoor air samples were also concurrently collected with each sub-slab sample location from approximately 3 to 4 feet above the slab floor. One ambient outdoor sample was also collected at an upwind location from approximately 4 to 5 feet above the ground surface directly outside the Buffalo Cider Hall. Ambient indoor and outdoor air samples were collected over an 8-hour collection period, utilizing 2.7-liter capacity Summa canisters fitted with laboratory calibrated flow regulation devises. All sampling and purging flow rates did not exceed 0.2 liters per minute. A more comprehensive description of the SVI investigation and sampling locations and procedures is detailed in the Soil Vapor Intrusion Investigation Report which was submitted to the Department on May 13, 2022.¹⁶

¹⁶ Draft “Soil Vapor Intrusion Investigation Report for Pierce Arrow Business Center” prepared by Environmental Advantage, Inc., dated April 30, 2022.

3.3 Vapor Intrusion Sample Results

The three sub-slab and four ambient air samples were collected over an 8-hour period and were submitted for VOCs analysis via USEPA method TO-15. SVI analytical results are summarized on Table 5 located in Appendix C and the laboratory report is included in Appendix D. As shown on Table 5, 29 individual VOC parameters were detected within the three sub-slab vapor samples, three ambient indoor air samples and one outdoor air sample. Most compounds were detected at concentrations below their respective NYSDOH air guideline values and USEPA commercial indoor and outdoor air background levels. New York State currently does not have standards, criteria or guidance values for concentrations of VOCs in sub-slab vapor samples. The purpose of collecting sub-slab samples is to identify potential exposure scenarios associated with vapor intrusion. A summary of these results for sample location pairs is as follows:

- **SS-7(032922) (sub-slab)** – Nineteen (19) compounds were detected above method detection limits. TCE was detected at a concentration of 8.92 ug/m³.
IA-7(032922) (indoor) – Thirteen (13) compounds were detected above method detection limits. Five (5) compounds were detected at levels which exceed the 90th percentile for indoor air including carbon tetrachloride, chloroform, isopropanol, ethanol, and TCE. TCE was detected at a concentration of 24.1 ug/m³, which exceeds the NYSDOH AGV of 2 ug/m³.
- **SS-9(032922) (sub-slab)** – Twenty-five (25) compounds were detected above method detection limits. TCE was detected at a concentration of 7.09 ug/m³.
IA-9(032922) (indoor) – Sixteen (16) compounds were detected above method detection limits. Three (3) compounds were detected at levels which exceed the 90th percentile for indoor air including carbon tetrachloride, chloroform, and TCE. TCE was detected at a concentration of 25.5 ug/m³, which exceeds the NYSDOHAGV of 2 ug/m³.
- **SS-10(032922) (sub-slab)** – Twenty-two (22) compounds were detected above method detection limits. TCE was detected at a concentration of 23.4 ug/m³.
IA-10(032922) (indoor) – Fourteen (14) compounds were detected above method detection limits. Four (4) compounds were detected at levels which exceed the 90th percentile for indoor air including carbon tetrachloride, chloroform, isopropanol, and TCE. TCE was detected at a concentration of 39.2 ug/m³, which exceeds the NYSDOH AGV of 2 ug/m³.
- **OA-1(032922) (outdoor)** – Six (6) compounds were detected above method detection limits. No compounds were detected at a concentration above the 90th percentile for outdoor air.

3.4 Vapor Intrusion Sample Decision Matrix

NYSDOH developed decision matrices to provide guidance on a case-by-case basis concerning actions that should be taken to address current or potential

exposures related to soil vapor intrusion. Actions recommended in the matrix are based on relationship between sub-slab vapor concentrations and corresponding indoor air concentrations, with considerations for outdoor air results. In May 2017, NYSDOH updated the original 2006 Soil Vapor/Indoor Air Matrix 1 and Soil Vapor/Indoor Air Matrix 2 to three matrices, including:

Matrix A	Trichloroethene (TCE), cis-1,2-dichloroethene (cis-DCE), 1,1-dichloroethene (11-DCE), and Carbon Tetrachloride (CT)
Matrix B	Tetrachloroethene (PCE), 1,1,1-trichloroethane (111-TCA), and Methylene Chloride
Matrix C	Vinyl Chloride (VC)

A summary of the detected VOC concentrations applied to the updated decision matrices are included in Table 6. 1,1-DCE, 1,1,1-TCA, and VC were not detected in any of the indoor or sub-slab samples and therefore no further action is needed with regard to these compounds.

TCE – TCE was detected in all three of the sub-slab samples at concentrations ranging from 7.09 ug/m³ at SS-9(032922) to 23.4 ug/m³ at SS-10(032922). TCE was also detected at all three indoor ambient air samples at concentrations ranging from 24.1 ug/m³ at IA-7(032922) to 39.2 ug/m³ at IA-10(032922). All three indoor air sample results for TCE above the NYSDOH AGV of 2 ug/m³. The decision matrix indicates these three locations/areas would require mitigation.

cis-DCE – cis-DCE was detected all three of the indoor air samples at concentrations ranging from 0.369 ug/m³ at IA-7(032922) to 0.48 ug/m³ at IA-10(032922); however, cis-DCE was not detected in the sub-slab air samples. The decision matrix from the NYSDOH guidance indicates that no further action is needed in this scenario.

Carbon Tetrachloride - Carbon tetrachloride was detected at all three sub-slab locations at concentrations ranging from 3.12 ug/m³ at SS-7(032922) to 8.87 ug/m³ at SS-9(032922) and all three indoor air samples at concentrations ranging from 3.96 ug/m³ at IA-7(032922) to 8.05 ug/m³ at IA-9(032922). Decision matrix indicates that SS-9/IA-9 locations/areas would require mitigation and SS-10/IA-10 and SS-7/IA-7 locations/areas would require to Identify Source(s) and Resample or Mitigate.

Methylene Chloride – Methylene Chloride (MC) was detected in one sub-slab air sample SS-9(032922) at a concentration of 1.99 ug/m³. Methylene Chloride was not detected in any of the indoor air samples. The decision matrix from the NYSDOH guidance indicates that no further action is needed in this scenario.

PCE – PCE was detected in one sub-slab sample SS-9(032922) at a concentration of 1.45 ug/m³. PCE was detected in all three indoor air samples at concentrations ranging from 0.305 ug/m³ at IA-10(032922) to 0.610 ug/m³ at IA-9(032922), all of which are below the NYSDOH AGV of 30 ug/m³. The decision matrix from the NYSDOH guidance indicates that no further action is needed in these scenarios

4.0 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

In general, all components of the Site Management Plan have been met during the current monitoring and reporting period. Based on the consistent groundwater results at MW-3, where VOCs have not been detected at concentrations exceeding their respective Class GA criteria since IRM activities were completed in 2017, it is recommended that groundwater sampling be discontinued. No other changes to the SMP are recommended at this time. The annual Site-wide SSD system inspection and groundwater monitoring well sampling (if required) will be completed by December 2022.

Although there was an exceedance of TCE within the indoor air at the IA-6, IA-7, and IA-8 sample locations, as well as the SS-7/IA-7(032922), SS-9/IA-9(032922), and SS-10/IA-10(032922) locations, the four (4) SSD systems continue to function properly as designed to mitigate soil vapor intrusion in the south-west corner of the building where the SSD systems are located. These SSD systems will be tested if, in the course of the system lifetime, significant changes are made to the system, and the system must be restarted. The SSD systems will be inspected and maintained at least annually. Additional inspections and/or sampling may occur when a suspected failure of the SSD system has been reported or an emergency occurs. The Operation & Maintenance Plan (O&M Plan) describes the measures necessary to operate, monitor and maintain the existing SSD systems and includes procedures for routine operation, shutdown, general maintenance and monitoring requirements, and record keeping. The O&M Plan is fully in place, with no deficiencies in compliance.

A review of the historical remedial data associated with the areas in the vicinity of IA-6, IA-7 and IA-8, reveal no pre- or post-Interim Remedial Measure (IRM) soil or groundwater concentrations of TCE or any other NYSDOH priority CVOC¹⁷. TCE was non-detect in all interior monitoring wells with the exception of SB128/MW-4 where TCE was detected at an estimated concentration of 0.23 ug/l. No other CVOCs were detected in any of the interior monitoring wells. TCE has not been detected in the only remaining monitoring well post-IRM activities, MW-3 located upgradient in the parking lot area. Interior soil samples collected during the RI exhibited trivial levels of TCE and other CVOCs with the exception of the SB 135 location (vicinity of SS-5/IA-5), which exhibited a TCE concentration of 1.3 mg/kg in

¹⁷ Priority CVOCs include those listed on the decisions matrices, specifically: Matrix A- Trichloroethene (TCE), cis-1,2-dichloroethene (cis-DCE), 1,1-dichloroethene (11-DCE), and Carbon Tetrachloride (CT); Matrix B - Tetrachloroethene (PCE), 1,1,1-trichloroethane (111-TCA), and Methylene Chloride; and Matrix C - Vinyl Chloride (VC).

exceedance of the Unrestricted Use SCO (UUSCO). The area around SB 135 was excavated and removed during IRM activities.

Confirmatory samples collected in the courtyard area post-IRM activities exhibited very low levels of TCE and other CVOCs with the exception of CY-CS-1, which exhibited a TCE concentration of 1.1 mg/kg in exceedance of the UUSCO. Furthermore, courtyard confirmatory sample locations related to the Fuel Oil Tank removed directly adjacent to the building foundation outside of Buffalo Cider Hall and in the immediate vicinity of CY-CS-1, exhibited TCE concentrations of 0.036 mg/kg, 0.023mg/kg, and 0.0014 mg/kg. Courtyard confirmatory sample locations around the perimeter of the historical chimney stack also located directly adjacent to the building foundation outside of Buffalo Cider Hall exhibited low level TCE concentrations of 0.05 mg/kg and 0.00074 mg/kg.

Pre-design air samples collected to determine the need for the SSDS systems currently in place in the south-west corner of the building exhibited “no further action” in the vicinity of IA-6, IA-7 and IA-8, due to non-detect sub-slab and accompanying indoor air concentrations of 0.64 ug/m³ for TCE. However, recent exceedances of the NYSDOH AGV of 2 ug/m³ for TCE in the rooms adjacent to the IA-6 location, identified as IA-7 and IA-8, and SS-7/IA-7(032922), SS-9/IA-9(032922), and SS-10/IA-10(032922), all located within the Buffalo Cider Hall warrants further investigation.

In consideration of the March 27, 2022 analytical results, and with the new knowledge of the recently discovered below-grade ODL storage area, EA proposed to complete SVI sampling in this specific area in effort to identify the source of the chlorinated hydrocarbons. A total of four sub-slab and corresponding indoor ambient air samples, one additional ambient indoor air sample, and two ambient outdoor air samples are proposed for the additional investigative effort at the following locations:

- One sub-slab and corresponding indoor ambient air sample in the below-grade ODL storage area adjacent to where previous SS-10(032922) was collected;
- One sub-slab and corresponding indoor ambient air sample in the Buffalo Cider Hall additional seating area and location of previous indoor air sample IA-8(120221);
- One sub-slab and corresponding indoor ambient air sample in the area known as the “event area” of the cidery, in the vicinity of where previous IA-10(032922) was collected, where the floor has visible cracks and filled-in historic drains; and
- One sub-slab and a corresponding indoor ambient air sample in the ODL tenant space, in the general vicinity of previous samples IA-5/SS-5.

During the initial SVI investigation completed in 2017, sample SS-5 was accidentally destroyed by heavy equipment during building development activities. During the initial startup of the four currently operating SSD systems, there were initial exceedances of the NYSDOH AGV for TCE in December 2018 and December 2019

at the IA-5 location at which time not all Site SSD systems were operating effectively¹⁸.

Two additional outdoor ambient air samples were also proposed at the following locations:

- One on the Chandler Street side of the building directly adjacent to the entrance of the cidery and an additional sample collected from the roof top adjacent to the HVAC units that service the cidery area; and
- One additional indoor air ambient sample from the elevator shaft located directly outside of the cidery “event area”. Building management was able to lock the elevator doors in an open position during sample collection with the sample tubing inserted into the void between the elevator car and hallway, so that any below grade vapors from the elevator shaft could be collected.

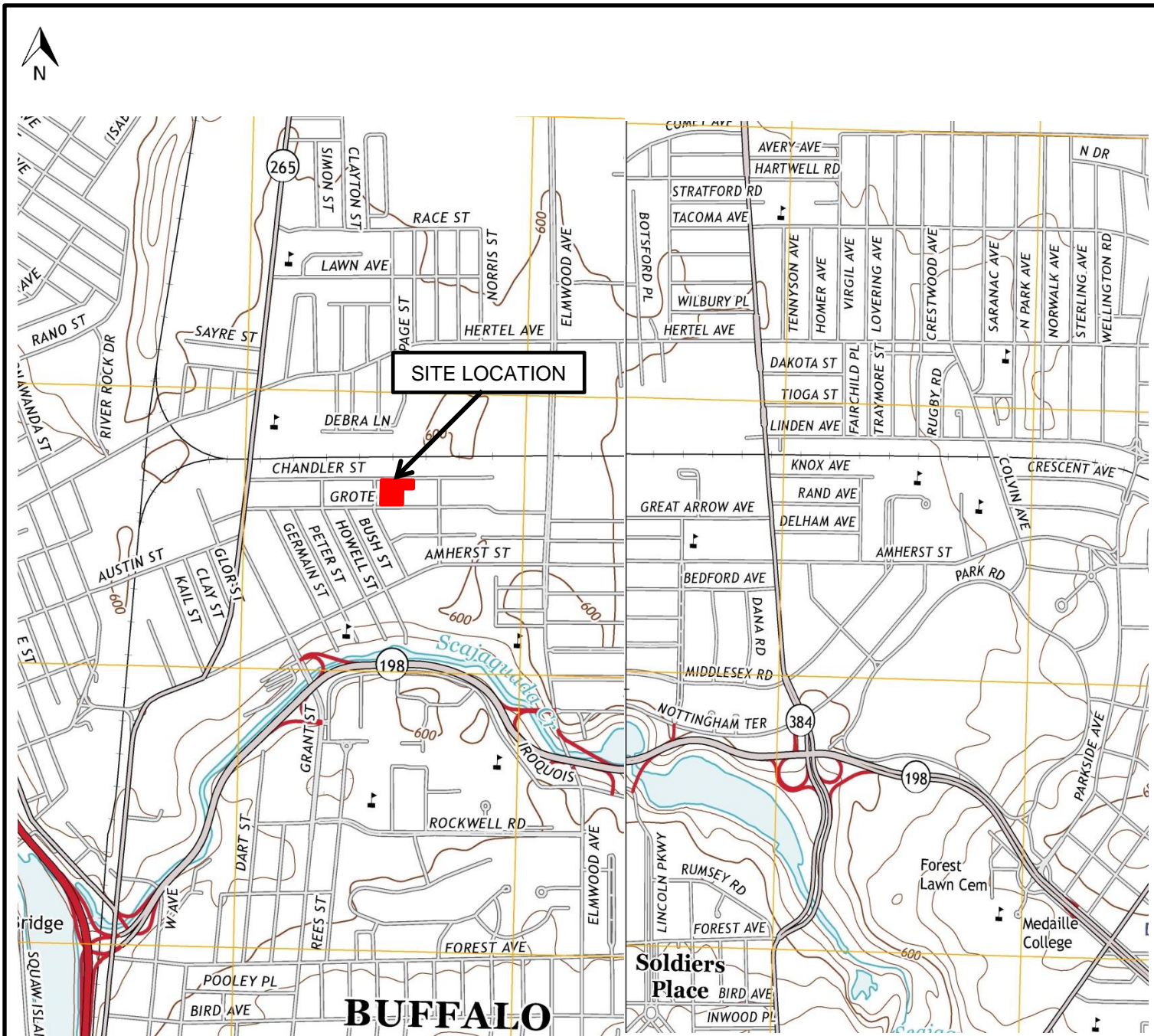
The procedures outlined in the March 2022 SVI Investigation Work Plan were followed for the additional sample collection, with the addition at the request of NYSDEC, that tracer gas be utilized in testing the sub-slab sample locations to ensure that a proper seal is in place around the tubing inserted into the sub-slab. The procedures outlined in Section 2.7.5 of the NYSDOH SVI Guidance document were followed. A diagram illustrating the proposed additional sample locations is included as Figure 6.

Results of the March 2022 SVI Investigation and the proposed additional air sample collection will be reviewed by EA and the engineer on record to develop an appropriate plan of action to mitigate the vapor intrusion in this area. A report of the findings of the additional sampling, as well as a proposed course of action will be included in a Corrective Measures Work Plan for the Department’s review and approval. The requirements for Site closure have not yet been met, and no changes to the frequency of PRR submittals are recommended at this time.

¹⁸ As detailed in Section 1.4 above, during the initial post-SSD system monitoring and sampling event in December 2018, SSDS-1, SSDS-2, and SSDS-3 were not operating. During a follow up inspection in February 2019, the property manager indicated the fan at SSDS-3 would only work intermittently. Indoor air samples collected at the IA-5 location in both December 2018 and February 2019, detected TCE at a concentration exceeding the NYSDOH AGV of 2ug/m3. An additional follow up site inspection was completed in June 2019 when all four SSD systems were functioning properly. A follow up indoor air sample was collected in June 2019 exhibited TCE at concentrations within the NYSDOH AGV. There have been no further exceedances at the IA-5 location since.

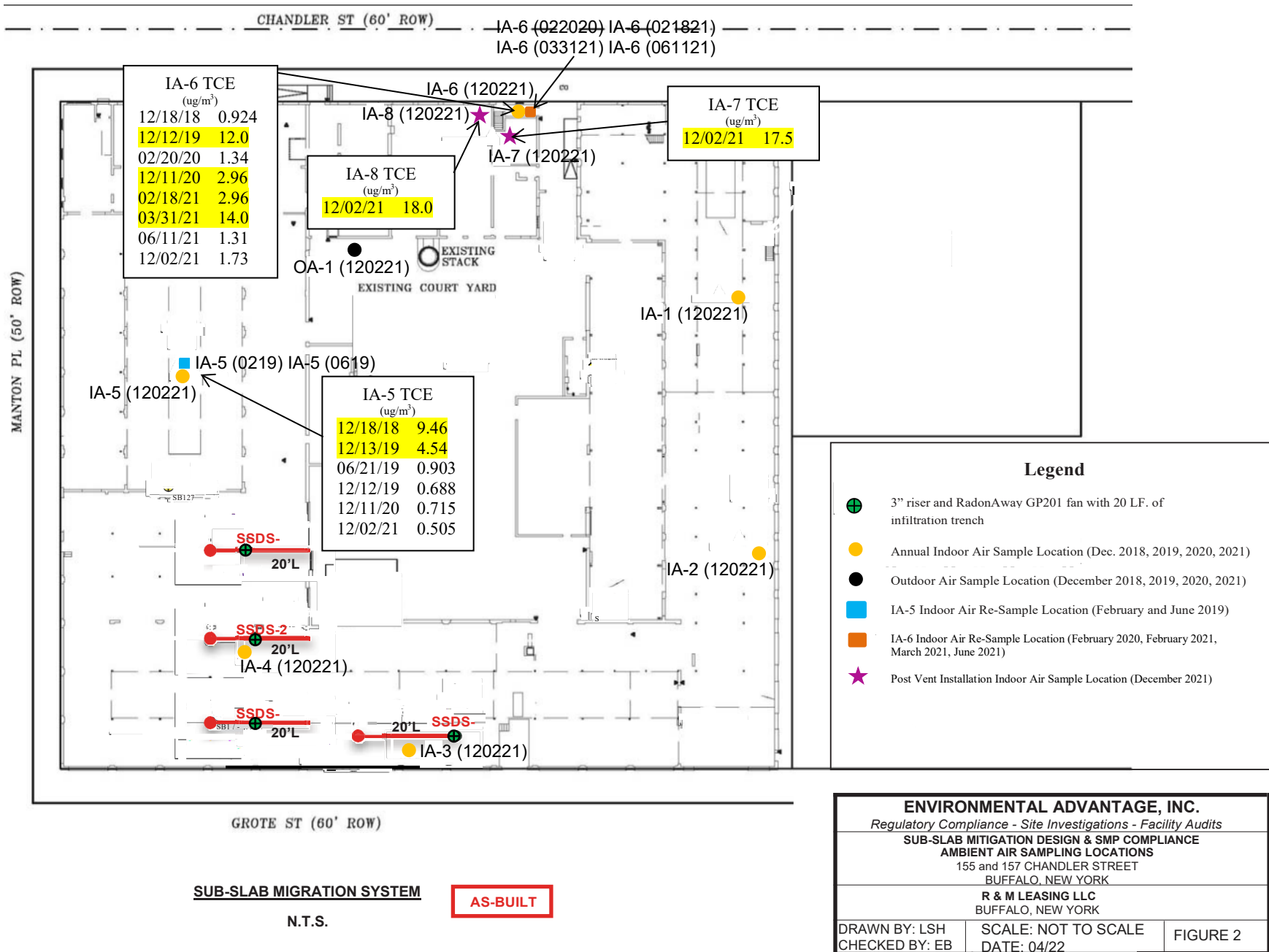
APPENDIX A

FIGURES



THIS DRAWING IS FOR ILLUSTRATIVE AND INFORMATIONAL PURPOSES ONLY
AND WAS ADAPTED FROM USGS, BUFFALO NE & NW, NEW YORK 2013 QUADRANGLE

ENVIRONMENTAL ADVANTAGE, INC. <i>Regulatory Compliance – Site Investigations – Facility Inspections</i>		
SITE LOCATION MAP 155 & 157 CHANDLER STREET BUFFALO, NEW YORK		
R & M LEASING LLC BUFFALO, NEW YORK		
DRAWN BY: MB	SCALE: NOT TO SCALE	PROJECT: 01101
CHECKED BY: CMH	DATE: 04/2022	FIGURE NO: 1



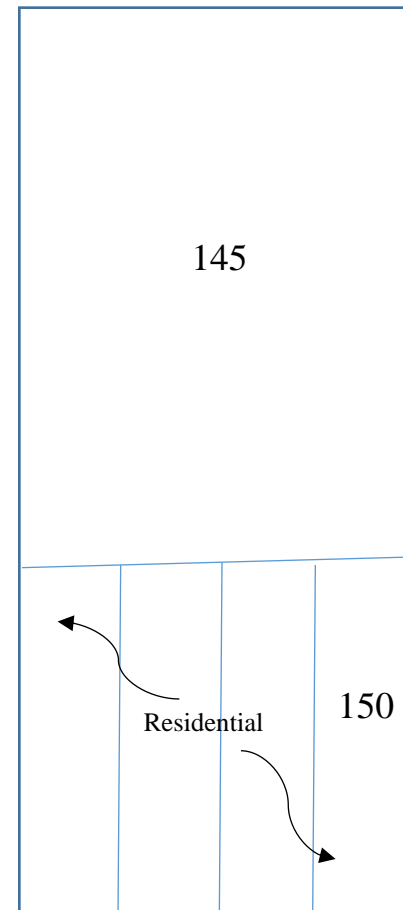


140

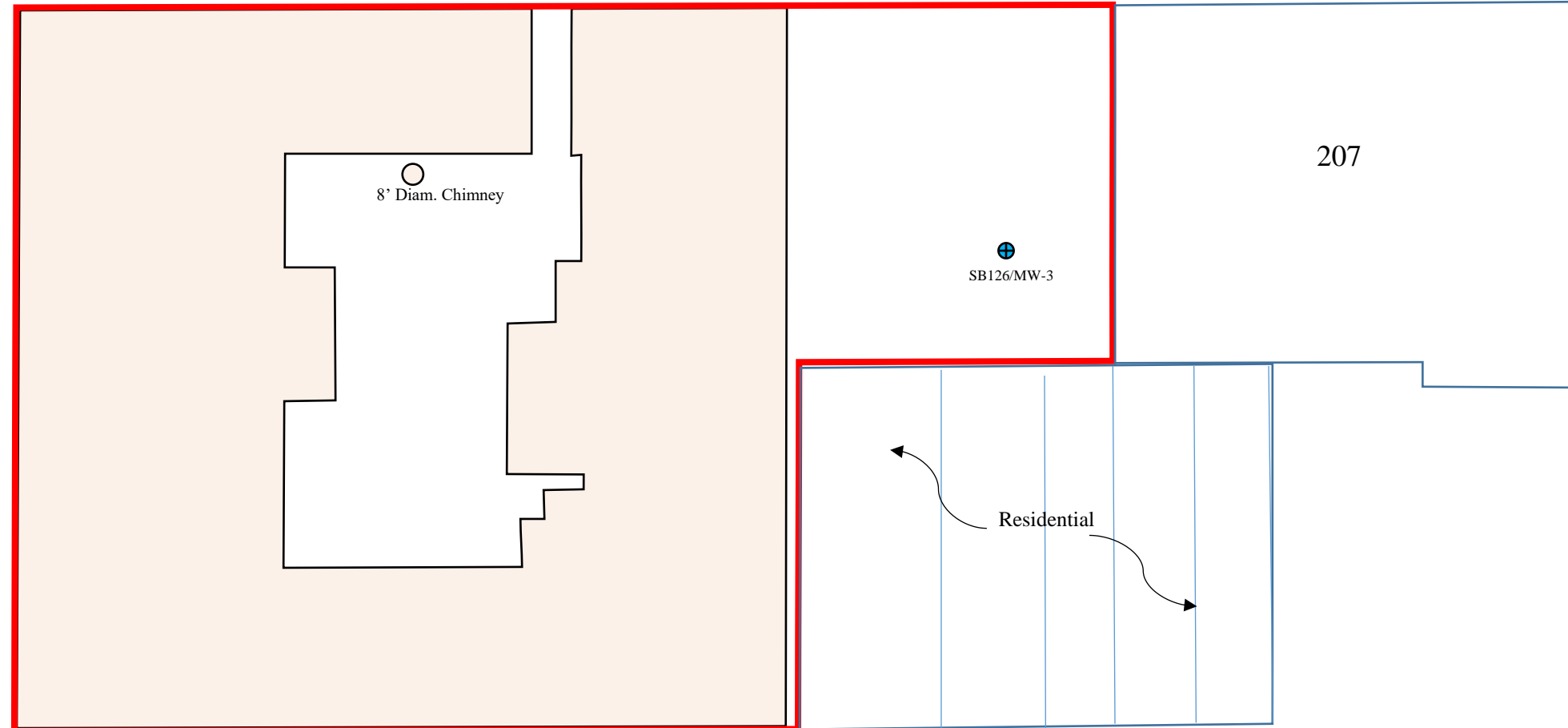
166

260

Chandler Street



Manton Place

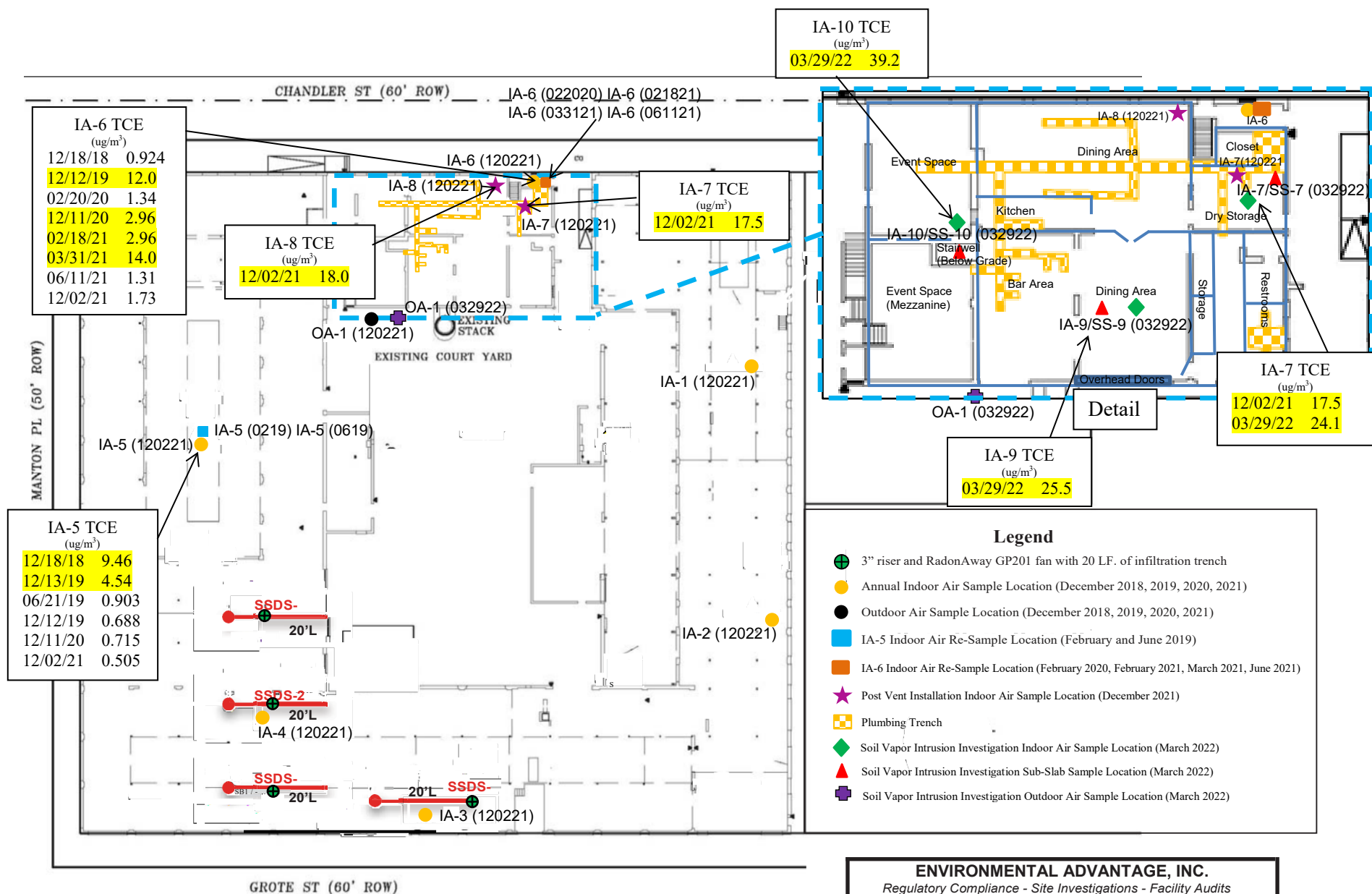


Grote Street

Legend

⊕ = Monitoring well location

ENVIRONMENTAL ADVANTAGE, INC.		
Regulatory Compliance – Site Investigations – Facility Inspections		
MONITORING WELL LOCATION MAP		
155 and 157 CHANDLER STREET BUFFALO, NEW YORK		
R & M LEASING LLC		
BUFFALO, NEW YORK		
DRAWN BY: MB	SCALE: 1" = 60'	PROJECT: 01101
CHECKED BY: CMH	DATE: 04/2022	FIGURE NO: 3



SUB-SLAB MIGRATION SYSTEM

N.T.S.

AS-BUILT

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance - Site Investigations - Facility Audits

**HISTORICAL INDOOR AIR SAMPLING LOCATIONS & MARCH 2022
SOIL VAPOR INTRUSION INVESTIGATION SAMPLING LOCATIONS**

155 and 157 CHANDLER STREET

BUFFALO, NEW YORK

R & M LEASING LLC

BUFFALO, NEW YORK

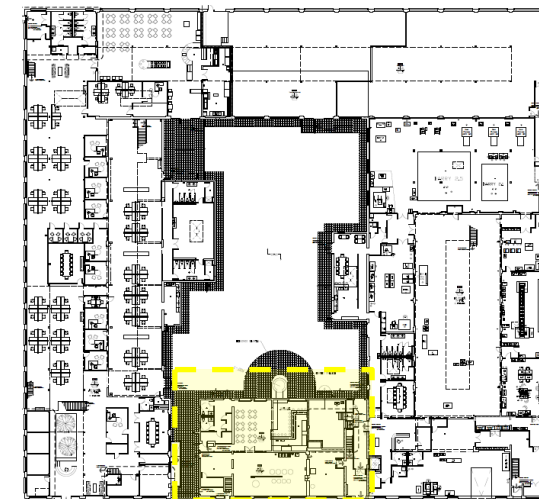
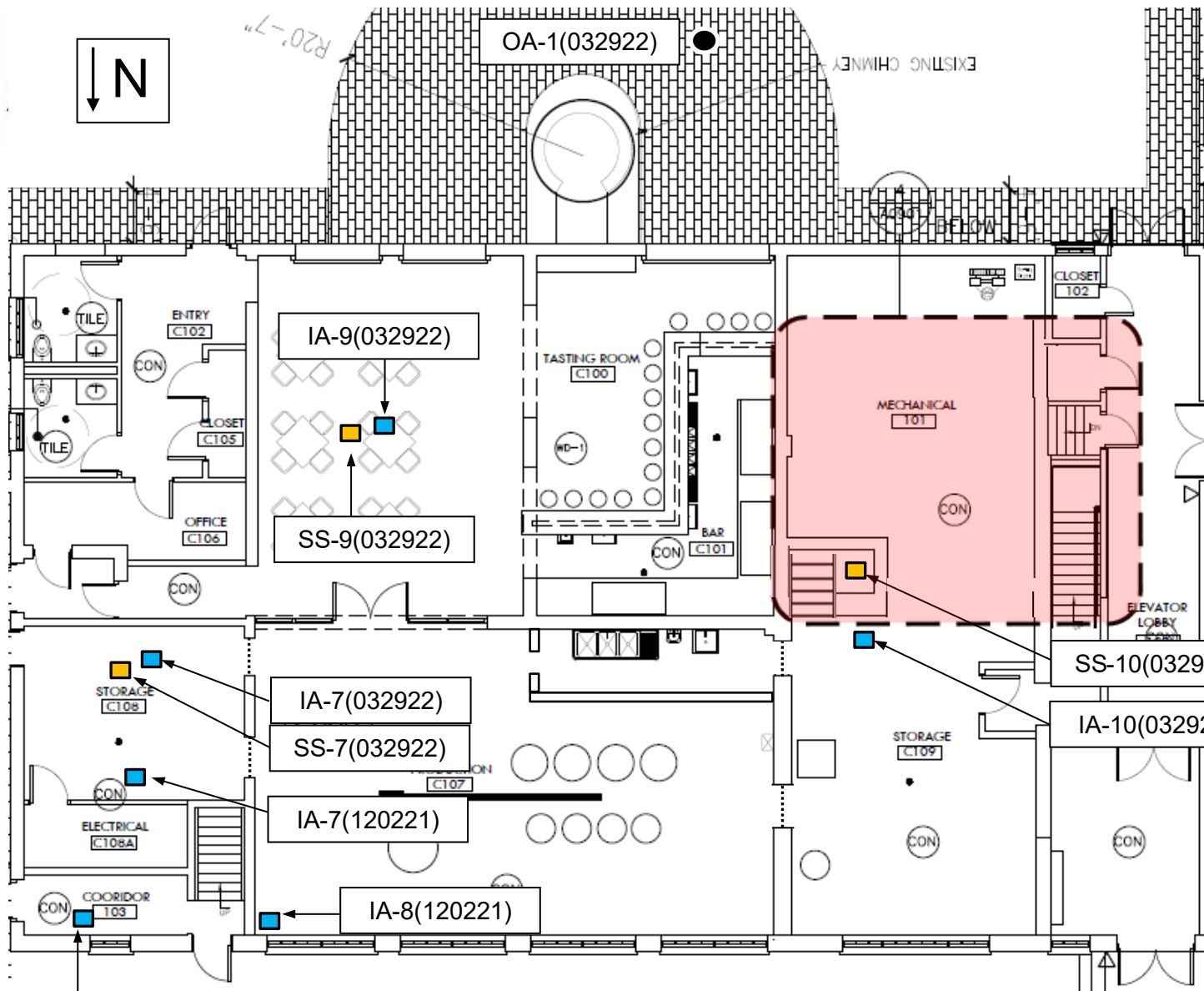
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CHECKED BY: EB

SCALE: NOT TO SCALE

DATE: 06/22

FIGURE 4



Legend

- Indoor Air Sample Location
- Sub-slab Air Sample Location
- Outdoor Air Sample Location
- ⋯ Poly Sheetting Barrier
- Basement boundary area below mezzanine floor

Chandler Street

Adapted from: "Alterations To: 155 Chandler Street, Construction Set" September 26, 2017

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance - Site Investigations - Facility Audits

MARCH 2022 SOIL VAPOR INTRUSION INVESTIGATION

SAMPLE LOCATIONS

155 and 157 CHANDLER STREET
BUFFALO, NEW YORK

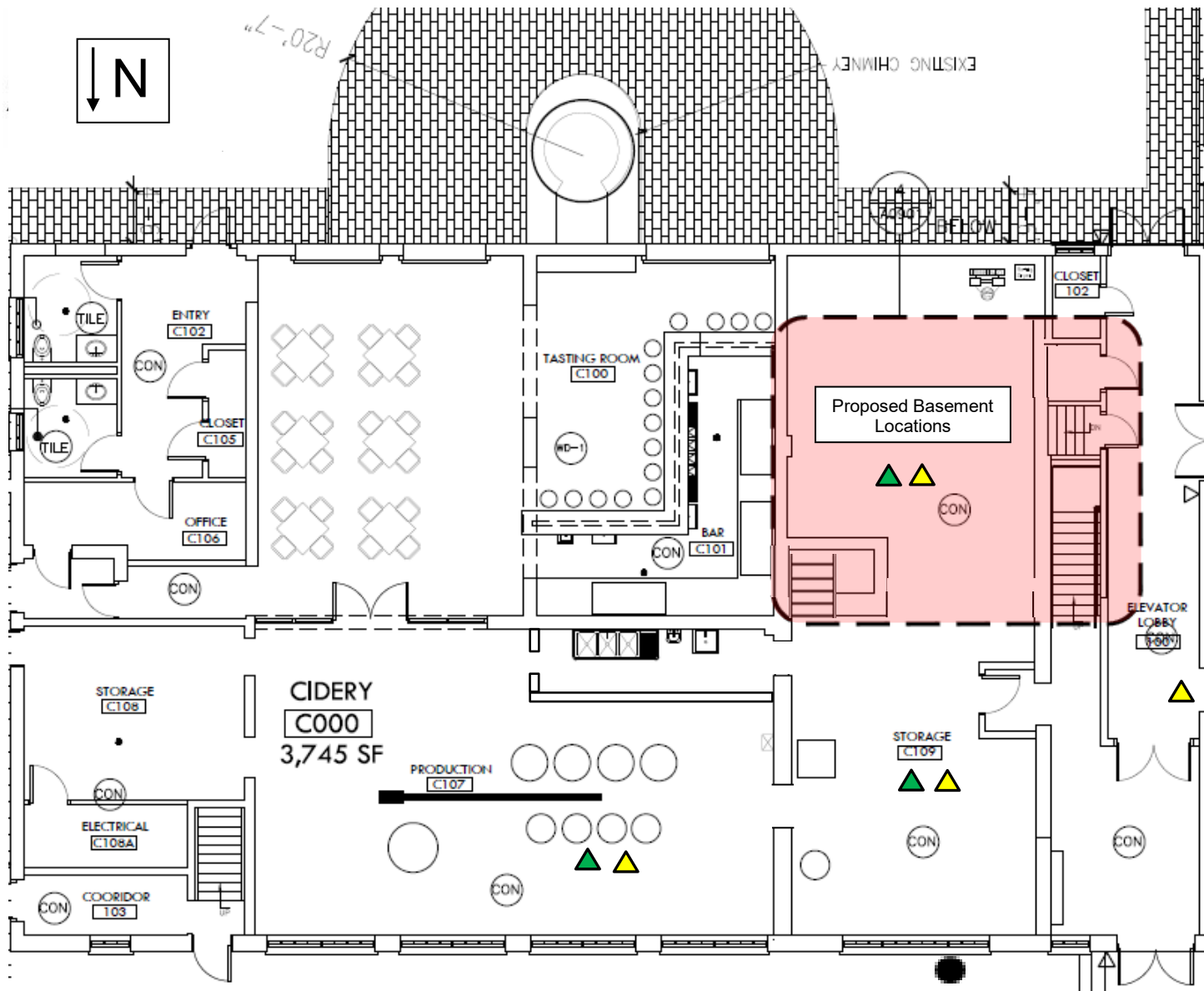
R & M LEASING LLC

BUFFALO, NEW YORK

DRAWN BY: JK
CHECKED BY: MS

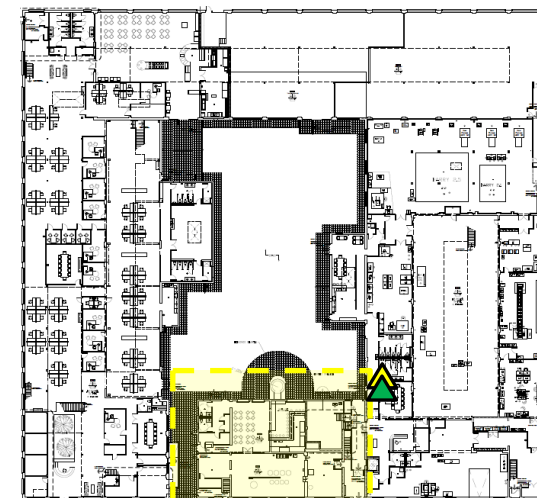
SCALE: NOT TO SCALE
DATE: 06/22

FIGURE 5



From: "Alterations To: 155 Chandler Street, Construction Set" September 26, 2017

Chandler Street



Legend

- ▲ Proposed Indoor Air Sample Location
- ▲ Proposed Sub-Slab Air Sample Location
- Proposed Outdoor Air Sample Location
- Basement boundary area below mezzanine floor

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance - Site Investigations - Facility Audits

PROPOSED ADDITIONAL SOIL VAPOR INTRUSION INVESTIGATION SAMPLE LOCATIONS

155 and 157 CHANDLER STREET
BUFFALO, NEW YORK

R & M LEASING LLC
BUFFALO, NEW YORK

DRAWN BY: JK
CHECKED BY: MS

SCALE: NOT TO SCALE
DATE: 06/22

FIGURE 6

APPENDIX B

SITE-WIDE INSPECTIONS AND FIELD NOTES

Site-Wide Inspection Form

Site: 155 Chandler Street Buffalo, NY Date: 6/17/2021

Inspector: Eric Betzold Weather: 65-75°F Sunny

General site conditions at the time of the inspection: Normal operations

Are site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection? Yes.

Do the implemented institutional controls continue to be protective of human health and the environment? Yes.

Is the site currently in compliance with requirements of the SMP and the Environmental Easement? Yes.

Are site records complete and up-to-date? Yes.

Are the implemented Engineering Controls (SSDS) operating in compliance with the requirements of the SMP? Yes.

SSDS Pressure Differential Readings:

SSDS-1: 1.0"

SSDS-2: 1.0"

SSDS-3: 1.5"

SSDS-4: 1.0"

Deficiencies Observed / Corrective Actions Required: _____

Notes: Exhaust fan was installed near 'IA-6' sample location. During the sample collection of 'IA-6 (061721)', EA left the two (2) man doors open to allow for fresh air to infiltrate the room. This sampling served as a 'pilot' test for the subsequent installation of passive vents within each door.

Implemented Institutional Controls:

1. The property may only be used for restricted residential, commercial, and/or industrial use;
2. The use of groundwater is prohibited;
3. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
4. All activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
5. Access to the site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement; and
6. Vegetable gardens and farming are prohibited at the property;

Implemented Engineering Controls

1. Sub-Slab Depressurization System

Soil Vapor Intrusion - Structure Sampling Building Questionnaire

Structure ID : _____

Site No.: C915312 Site Name: Pierce Arrow Business centerDate: 6/17/2021 Time: 7:15amStructure Address: 155-157 Chandler St. Buffalo, NYPreparer's Name & Affiliation: Eric Betzold, Environmental ConsultantResidential? ☐ Yes ☐ No Owner Occupied? ☐ Yes ☐ No Owner Interviewed? ☐ Yes ☐ NoCommercial? ☐ Yes ☐ No Industrial? ☐ Yes ☐ No Mixed Uses? ☒ Yes ☐ NoIdentify all non-residential use(s): utilant (computer software), Barrel & Brine (Restaurant), Andersentax, Great Lakes Processing services, LLC, ODL Orthodontics, Blackbird cidery,Owner Name: R&M Leasing Owner Phone: () - -

Secondary Owner Phone: () - -

Owner Address (if different): 391 Washington St. Buffalo, NY 14203Occupant Name: Six Various Commercial Occupant Phone: () - -Leasees

Secondary Occupant Phone: () - -

Number & Age of All Persons Residing at this Location: Approx. 10 people (2nd floor)Additional Owner/Occupant Information: N/ADescribe Structure (style, number floors, size): Refurbished industrial use space into mixed use site. 1-2 stories, Brick exterior, Flat rubber membrane roof, (85,000 ft²)Approximate Year Built: Early 1900s Is the building Insulated? ☒ Yes ☐ NoLowest level: ☒ Slab-on-grade ☐ Basement ☐ CrawlspaceDescribe Lowest Level (finishing, use, time spent in space): Remodeled commercial space.Occupants spend 8-12 hrs per day in these areasFloor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed: _____Floor Condition: ☒ Good (few or no cracks) ☐ Average (some cracks) ☐ Poor (broken concrete or dirt)Sumps/Drains? ☒ Yes ☐ No Describe: Various floor drains throughout facility. Please note: None in IA-6 sample locationIdentify other floor penetrations & details: NoneWall Construction: ☒ Concrete Block ☐ Poured Concrete ☐ Laid-Up StoneIdentify any wall penetrations: overhead garage doors @ Blackbird cidery.Identify water, moisture, or seepage: location & severity (sump, cracks, stains, etc): NoneHeating Fuel: ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other: _____Heating System: ☒ Forced Air ☐ Hot Water ☐ Other: _____Hot Water System: ☒ Combustion ☐ Electric ☐ Boilermate ☐ Other: _____Clothes Dryer: ☐ Electric ☐ Gas Where is dryer vented to? N/AIf combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.): Roof-topHVAC units. Cold air is drawn from exterior.

Fans & Vents (Identify where fans/vents pull air from and where they vent/exhaust to): _____

Exhaust fan was installed near 'IA-6' sample location in March 2021.

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

None

Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☒ No

New carpet or furniture ? ☐ Yes ☒ No What/Where ? _____

Recent painting or staining ? ☐ Yes ☒ No Where ? : _____

Any solvent or chemical-like odors ? ☐ Yes ☒ No Describe : _____

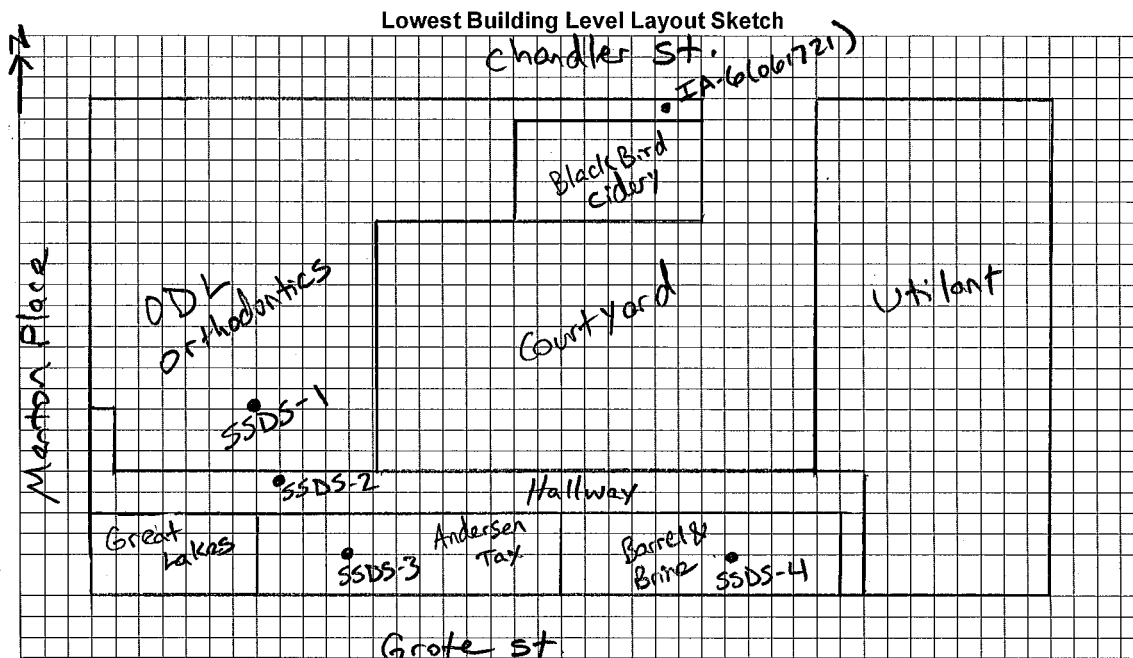
Last time Dry Cleaned fabrics brought in ? N/A What / Where ? _____

Do any building occupants use solvents at work ? ☐ Yes ☒ No Describe : _____

Any testing for Radon ? ☐ Yes ☒ No Results : _____

Radon System/Soil Vapor Intrusion Mitigation System present ? ☐ Yes ☐ No If yes, describe below

4-SSDS installed in 2017 and are described as an engineering control for the site.



■ Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.

■ Measure the distance of all sample locations from identifiable features, and include on the layout sketch.

■ Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.

■ Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	xxxxxxx	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	#####	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab vapor samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Page 1 of 1

Date: 6/17/2021

Structure ID: C915312

Make & Model of PID: Honeywell Mini RAE 3000+ Date of PID Calibration: 6/17/2021

Identify any Changes from Original Building Questionnaire : None

[illegible]



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R&M Leasing Project No.: 01101Site Name & Address: 155 Chandler St. Buffalo, NYPerson(s) Performing Sampling: Eric BetzoldSample Identification: IA-6 (061721)Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab VaporDate of Collection: 6/17/2021 Setup Time: 7:30 am Stop Time: 3:30 pmSample Depth: -Sample Height: 5'Sampling Method(s) & Device(s): 2.7 L Summa Canister & RegulatorPurge Volume: -Sample Volume: 2.7 LSampling Canister Type & Size (if applicable): 2.7 L SummaCanister # 157 Regulator # 01787Vacuum Pressure of Canister Prior to Sampling: -29.52" HgVacuum Pressure of Canister After Sampling: -6.03" HgTemperature in Sampling Zone: 65°FApparent Moisture Content of Sampling Zone: LowSoil Type in Sampling Zone: -

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____Laboratory Name: Alpha AnalyticalAnalysis: TD-15Comments: Ambient Indoor Air: 0.0 ppmThe two man-door entrances were left ajar ~ 1" to allow the infiltration of fresh outdoor air.Sampler's Signature: Eric BetzoldDate: 6/17/2021

Site-Wide Inspection Form

Site: 155 Chandler Street Buffalo, NY Date: 12/2/2021

Inspector: Eric Betzold Weather: 45°F Rain

General site conditions at the time of the inspection: Normal operations.

Are site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection? Yes.

Do the implemented institutional controls continue to be protective of human health and the environment? Yes.

Is the site currently in compliance with requirements of the SMP and the Environmental Easement? Yes.

Are site records complete and up-to-date? Yes.

Are the implemented Engineering Controls (SSDS) operating in compliance with the requirements of the SMP? Yes.

SSDS Pressure Differential Readings:

SSDS-1: 1.0"

SSDS-2: 1.0"

SSDS-3: 1.5"

SSDS-4: 1.0"

Deficiencies Observed / Corrective Actions Required: None.

Notes: During November 2021 passive vents were installed within the man doors entering the un-occupied mail room; 'IA-6 location'.

Implemented Institutional Controls:

1. The property may only be used for restricted residential, commercial, and/or industrial use;
2. The use of groundwater is prohibited;
3. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
4. All activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
5. Access to the site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement; and
6. Vegetable gardens and farming are prohibited at the property;

Implemented Engineering Controls

1. Sub-Slab Depressurization System

Soil Vapor Intrusion - Structure Sampling Building Questionnaire

Structure ID : _____

Site No.: C915312 Site Name: Pierce Arrow Business centerDate: 12/02/2021 Time: 7:00 amStructure Address: 155-157 Chandler St. Buffalo, NYPreparer's Name & Affiliation: Eric Betzold, Environmental ConsultantResidential? ☐ Yes ☐ No Owner Occupied? ☐ Yes ☐ No Owner Interviewed? ☐ Yes ☐ NoCommercial? ☐ Yes ☐ No Industrial? ☐ Yes ☐ No Mixed Uses? ☒ Yes ☐ NoIdentify all non-residential use(s): utilant (computer software), Barrel & Brine (Restaurant), Andersentax, Great Lakes Processing services, LLC, ODL Orthodontics, Blackbird cidery,Owner Name: R&M Leasing Owner Phone: () - -

Secondary Owner Phone: () - -

Owner Address (if different): 391 Washington St. Buffalo, NY 14203Occupant Name: Six Various Commercial Occupant Phone: () - -Leasees

Secondary Occupant Phone: () - -

Number & Age of All Persons Residing at this Location: Approx. 10 people (2nd floor)Additional Owner/Occupant Information: N/ADescribe Structure (style, number floors, size): Refurbished industrial use space into mixed use site, 1-2 stories, Brick exterior, Flat rubber membrane roof, (85,000 ft²)Approximate Year Built: Early 1900s Is the building Insulated? ☒ Yes ☐ NoLowest level: ☒ Slab-on-grade ☐ Basement ☐ CrawlspaceDescribe Lowest Level (finishing, use, time spent in space): Remodeled commercial space.Occupants spend 8-12 hrs per day in these areasFloor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed: _____Floor Condition: ☒ Good (few or no cracks) ☐ Average (some cracks) ☐ Poor (broken concrete or dirt)Sumps/Drains? ☒ Yes ☐ No Describe: Various floor drains throughout facility. Please note: None in IA-6 sample locationIdentify other floor penetrations & details: NoneWall Construction: ☒ Concrete Block ☐ Poured Concrete ☐ Laid-Up StoneIdentify any wall penetrations: overhead garage doors @ Blackbird cidery.Identify water, moisture, or seepage: location & severity (sump, cracks, stains, etc): NoneHeating Fuel: ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other: _____Heating System: ☒ Forced Air ☐ Hot Water ☐ Other: _____Hot Water System: ☒ Combustion ☐ Electric ☐ Boilermate ☐ Other: _____Clothes Dryer: ☐ Electric ☐ Gas Where is dryer vented to? N/AIf combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.): Roof-topHVAC units. Cold air is drawn from exterior.

Fans & Vents (Identify where fans/vents pull air from and where they vent/exhaust to): _____

Exhaust fan was installed near 'IA-6' sample location in March 2021. Passive vents were installed in November 2021 near 'IA-6' location.

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

None

Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☒ No
 New carpet or furniture ? ☐ Yes ☒ No What/Where ? _____
 Recent painting or staining ? ☐ Yes ☒ No Where ? : _____
 Any solvent or chemical-like odors ? ☐ Yes ☒ No Describe : _____

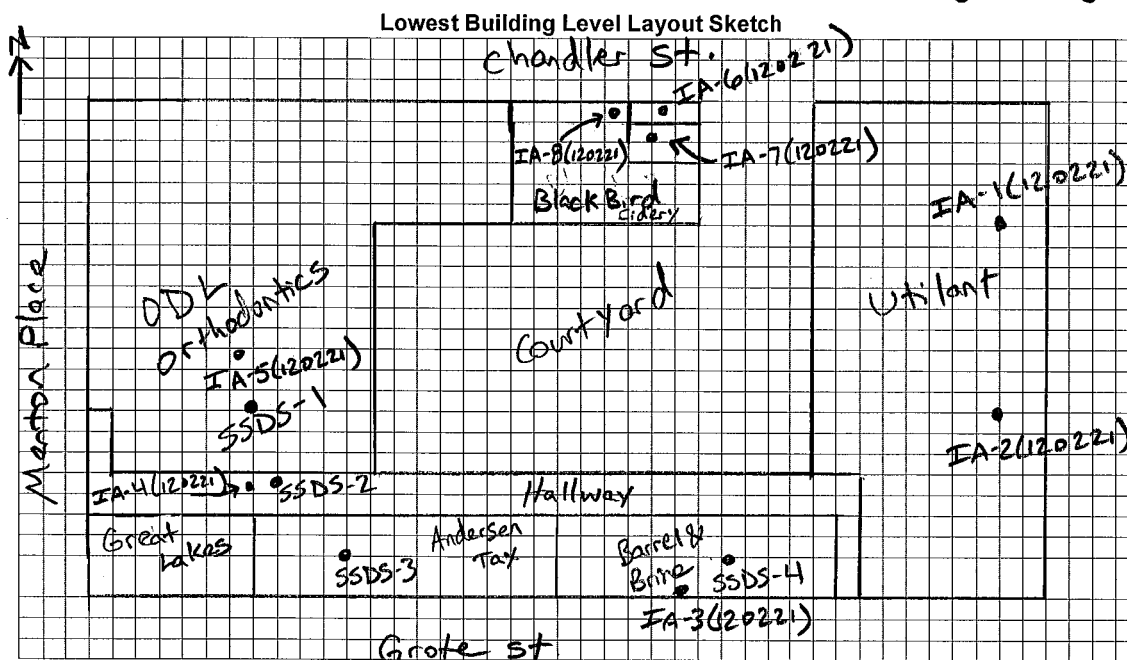
Last time Dry Cleaned fabrics brought in ? N/A What / Where ? _____

Do any building occupants use solvents at work ? ☐ Yes ☒ No Describe : _____

Any testing for Radon ? ☐ Yes ☒ No Results : _____

Radon System/Soil Vapor Intrusion Mitigation System present ? ☐ Yes ☐ No If yes, describe below

4-SSDS installed in 2017 and are described as an engineering control for the site.



- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	xxxxxxx	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	#####	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab vapor samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

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Date: 12/02/2021

Structure ID: C915312

Make & Model of PID: Honeywell Mini RAE 3000+ Date of PID Calibration: 12/02/2021

Identify any Changes from Original Building Questionnaire : None

[illegible]



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLC Project No.: 01101Site Name & Address: 155 Chandler Street Buffalo, NYPerson(s) Performing Sampling: Eric BetzoldSample Identification: IA-1(120221)Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab VaporDate of Collection: 12/2/2021 Setup Time: 9:17 am Stop Time: 5:17 pmSample Depth: —Sample Height: 4'Sampling Method(s) & Device(s): 2.7 Liter Summa Canister and RegulatorPurge Volume: —Sample Volume: 2.7 LSampling Canister Type & Size (if applicable): 2.7 Liter Summa CanisterCanister # 3458 Regulator # 01627Vacuum Pressure of Canister Prior to Sampling: -29.70"Vacuum Pressure of Canister After Sampling: -7.12"Temperature in Sampling Zone: 70°FApparent Moisture Content of Sampling Zone: lowSoil Type in Sampling Zone: —

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? —Laboratory Name: Alpha AnalyticalAnalysis: TO-15Comments: Ambient air - 0.0 ppm—
—
—
—Sampler's Signature Eric BetzoldDate: 12/2/21



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLCProject No.: 01101Site Name & Address: 155 Chandler Street Buffalo, NYPerson(s) Performing Sampling: Eric BetzoldSample Identification: IA-2 (120221)Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab VaporDate of Collection: 12/2/2021 Setup Time: 9:20am Stop Time: 5:20pmSample Depth: —Sample Height: 4'Sampling Method(s) & Device(s): 2.7 Liter Summa Canister and RegulatorPurge Volume: —Sample Volume: 2.7 LSampling Canister Type & Size (if applicable): 2.7 Liter Summa CanisterCanister # 2239 Regulator # 0059Vacuum Pressure of Canister Prior to Sampling: - 29.30"Vacuum Pressure of Canister After Sampling: - 6.92"Temperature in Sampling Zone: 70°FApparent Moisture Content of Sampling Zone: LowSoil Type in Sampling Zone: —

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? —Laboratory Name: Alpha AnalyticalAnalysis: TO-15Comments: Ambient air - 0.0 ppmSampler's Signature Eric BetzoldDate: 12/2/21



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLC

Project No.: 01101

Site Name & Address: 155 Chandler Street Buffalo, NY

Person(s) Performing Sampling: Eric Betzold

Sample Identification: IA-3(120221)

Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 12/2/2021 Setup Time: 9:00am Stop Time: 5:00pm

Sample Depth: —

Sample Height: 5'

Sampling Method(s) & Device(s): 2.7 Liter Summa Canister and Regulator

Purge Volume: —

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 Liter Summa Canister

Canister # 2737 Regulator # 0292

Vacuum Pressure of Canister Prior to Sampling: -28.86"

Vacuum Pressure of Canister After Sampling: -5.09"

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: —

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? —

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments: Ambient air - 0.0 PPM

Sampler's Signature Eric J. Betzold

Date: 12/2/21



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLC

Project No.: 01101

Site Name & Address: 155 Chandler Street Buffalo, NY

Person(s) Performing Sampling: Eric Betzold

Sample Identification: IA-4 (120221)

Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 12/2/2021 Setup Time: 8:55am Stop Time: 4:55pm

Sample Depth: -

Sample Height: 4'

Sampling Method(s) & Device(s): 2.7 Liter Summa Canister and Regulator

Purge Volume: -

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 Liter Summa Canister

Canister # 3408 Regulator # 01379

Vacuum Pressure of Canister Prior to Sampling: -29.06"

Vacuum Pressure of Canister After Sampling: -4.48"

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: -

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments: Ambient air - 0.0ppm

Sampler's Signature Eric Betzold

Date: 12/2/21



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLCProject No.: 01101Site Name & Address: 155 Chandler Street Buffalo, NYPerson(s) Performing Sampling: Eric BetzoldSample Identification: IA-4(120221) Dup.Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab VaporDate of Collection: 12/2/2021 Setup Time: 8:55am Stop Time: 4:55pmSample Depth: —Sample Height: 4'Sampling Method(s) & Device(s): 2.7 Liter Summa Canister and RegulatorPurge Volume: —Sample Volume: 2.7 LSampling Canister Type & Size (if applicable): 2.7 Liter Summa CanisterCanister # 3184 Regulator # 01472Vacuum Pressure of Canister Prior to Sampling: -28.86"Vacuum Pressure of Canister After Sampling: -5.09"Temperature in Sampling Zone: 70°FApparent Moisture Content of Sampling Zone: LowSoil Type in Sampling Zone: —

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? —Laboratory Name: Alpha AnalyticalAnalysis: TO-15Comments: Ambient Air - 0.0 ppm Sampler's Signature Eric BetzoldDate: 12/2/21



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLC

Project No.: 01101

Site Name & Address: 155 Chandler Street Buffalo, NY

Person(s) Performing Sampling: Eric Betzold

Sample Identification: IA-5(120221)

Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 12/2/2021 Setup Time: 8:50am Stop Time: 4:50pm

Sample Depth: —

Sample Height: 4'

Sampling Method(s) & Device(s): 2.7 Liter Summa Canister and Regulator

Purge Volume: —

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 Liter Summa Canister

Canister # 1723 Regulator # 0321

Vacuum Pressure of Canister Prior to Sampling: -29.02"

Vacuum Pressure of Canister After Sampling: -6.89"

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: low

Soil Type in Sampling Zone: —

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? —

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments: Ambient Air - 0.0 ppm

—

—

—

—

Sampler's Signature Eric Betzold

Date: 12/2/21



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLC

Project No.: 01101

Site Name & Address: 155 Chandler Street Buffalo, NY

Person(s) Performing Sampling: Eric Betzold

Sample Identification: IA-6(120221)

Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 12/2/2021 Setup Time: 9:15am Stop Time: 5:15pm

Sample Depth: —

Sample Height: 5'

Sampling Method(s) & Device(s): 2.7 Liter Summa Canister and Regulator

Purge Volume: —

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 Liter Summa Canister

Canister # 2192 Regulator # 0958

Vacuum Pressure of Canister Prior to Sampling: -29.37"

Vacuum Pressure of Canister After Sampling: -0.05"

Temperature in Sampling Zone: 60°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: —

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? —

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments: Ambient Air - 0.0 ppm

Sampler's Signature Eric Betzold

Date: 12/2/21



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLCProject No.: 01101Site Name & Address: 155 Chandler Street Buffalo, NYPerson(s) Performing Sampling: Eric BetzoldSample Identification: IA-7(120221)Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab VaporDate of Collection: 12/2/2021 Setup Time: 9:10am Stop Time: 5:10pmSample Depth: -Sample Height: 4'Sampling Method(s) & Device(s): 2.7 Liter Summa Canister and RegulatorPurge Volume: -Sample Volume: 2.7 LSampling Canister Type & Size (if applicable): 2.7 Liter Summa CanisterCanister # 538 Regulator # 0139Vacuum Pressure of Canister Prior to Sampling: -29.02"Vacuum Pressure of Canister After Sampling: -5.66"Temperature in Sampling Zone: 70°FApparent Moisture Content of Sampling Zone: LowSoil Type in Sampling Zone: -

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____Laboratory Name: Alpha AnalyticalAnalysis: TO-15Comments: Ambient air - 0.0ppmSampler's Signature Eric BetzoldDate: 12/2/21



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLC

Project No.: 01101

Site Name & Address: 155 Chandler Street Buffalo, NY

Person(s) Performing Sampling: Eric Betzold

Sample Identification: IA-8 (120221)

Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 12/2/2021 Setup Time: 9:12 am Stop Time: 5:12 pm

Sample Depth: -

Sample Height: 4'

Sampling Method(s) & Device(s): 2.7 Liter Summa Canister and Regulator

Purge Volume: -

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 Liter Summa Canister

Canister # 561 Regulator # 01369

Vacuum Pressure of Canister Prior to Sampling: -29.13"

Vacuum Pressure of Canister After Sampling: -5.82"

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: -

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments: Ambient Air - 0.0 ppm

Sampler's Signature Eric Betzold

Date: 12/2/21



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLCProject No.: 01101Site Name & Address: 155 Chandler Street Buffalo, NYPerson(s) Performing Sampling: Eric BetzoldSample Identification: OA-1 (120221)Sample Type: ☐ Indoor Air (ambient) ☒ Outdoor Air ☐ Soil Vapor ☐ Sub-slab VaporDate of Collection: 12/2/2021 Setup Time: 9:05am Stop Time: 5:05pmSample Depth: -Sample Height: 5'Sampling Method(s) & Device(s): 2.7 Liter Summa Canister and RegulatorPurge Volume: -Sample Volume: 2.7 LSampling Canister Type & Size (if applicable): 2.7 Liter Summa CanisterCanister # 2384 Regulator # 0960Vacuum Pressure of Canister Prior to Sampling: -27.82"Vacuum Pressure of Canister After Sampling: -5.98"Temperature in Sampling Zone: 45°FApparent Moisture Content of Sampling Zone: LowSoil Type in Sampling Zone: -

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____Laboratory Name: Alpha AnalyticalAnalysis: TO-15Comments: Ambient Air - 0.0 PPMSampler's Signature Eric BetzoldDate: 12/2/21



Well Data Sheet

Date: 12/2/2021 Job #: 01101
Well ID: MW-3 (120221)
Crew: Eric Betzold
Well Depth (TOR): 18.5'
Well Depth (GS): _____
Initial Water Level (TOR): 2.55'
Initial Water Level (GS): _____

Volume Calculation: $15.95 \times 1.63 \times 1 = 2.60 \text{ gal} = 1 \text{ well vol}$
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond. ms/cm	Temp. $^{\circ}\text{C}$	Turbidity NTU
11:06am	1 gal	6.98	7.92	16.16	5.2
11:16am	2 gal	6.82	4.80	15.45	3.1
11:19am	2.6 gal	6.83	5.28	15.30	1.5

Purge Method: Bailer (Submersible Pump)
Initial Water Quality: Good
Final Water Quality: Good

SAMPLE RECORD

Date: _____ Volume: 3x 40ml
Time: 11:20 am Analysis: VOC 8260 TCL
Crew: Eric Betzold Chain of Custody #: _____
Method: Low Flow Sample Sample Type: Continuous
Sample ID: MW-3
Water Quality: Good
pH: 6.72
Conductivity: 8.61 ms/cm
Temperature: 15.34 $^{\circ}\text{C}$
Turbidity: 2.2 NTU

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: well headspace: 0.0ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____

Soil Vapor Intrusion - Structure Sampling Building Questionnaire

Structure ID : _____

Site No. : C915312 Site Name : Pierce Arrow Business Center (Blackbird Cidery)
 Date: 3/29/2022 Time: 8:20am
 Structure Address : 155 Chandler St. Buffalo, NY
 Preparer's Name & Affiliation : Eric Betzold, Environmental Consultant
 Residential ? ☐ Yes ☐ No Owner Occupied ? ☐ Yes ☒ No Owner Interviewed ? ☐ Yes ☒ No
 Commercial ? ☐ Yes ☐ No Industrial ? ☐ Yes ☐ No Mixed Uses ? ☒ Yes ☐ No
 Identify all non-residential use(s) : Blackbird Cidery
 Owner Name : R&M Leasing Owner Phone : () _____
 Secondary Owner Phone : () _____
 Owner Address (if different) : 391 Washington St. Buffalo, NY 14203
 Occupant Name : Blackbird Cidery Occupant Phone : () _____
 Secondary Occupant Phone : () _____
 Number & Age of All Persons Residing at this Location : Approx. 10 people (2nd floor)
 Additional Owner/Occupant Information : N/A
 Describe Structure (style, number floors, size) : 1-2 stories Brick Exterior, flat Rubber membrane roof. (85,000 ft²)
 Approximate Year Built : Early 1900's Is the building Insulated? ☒ Yes ☐ No
 Lowest level : ☐ Slab-on-grade ☒ Basement ☐ Crawlspace
 Describe Lowest Level (finishing, use, time spent in space) : Small area within Blackbird Cidery
 Floor Type : ☒ Concrete Slab ☐ Dirt ☐ Mixed : _____
 Floor Condition : ☒ Good (few or no cracks) ☐ Average (some cracks) ☐ Poor (broken concrete or dirt)
 Sumps/Drains? ☒ Yes ☐ No Describe : Various floor/trench drains throughout facility.
 Identify other floor penetrations & details : Various water/sewer lines, electrical conduits.
 Wall Construction : ☒ Concrete Block ☐ Poured Concrete ☐ Laid-Up Stone
 Identify any wall penetrations : overhead garage doors; located within Blackbird Cidery.
 Identify water, moisture, or seepage: location & severity (sump, cracks, stains, etc) : None
 Heating Fuel : ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other : _____
 Heating System : ☒ Forced Air ☐ Hot Water ☐ Other : _____
 Hot Water System : ☐ Combustion ☐ Electric ☐ Boilermate ☐ Other : N/A
 Clothes Dryer : ☐ Electric ☐ Gas Where is dryer vented to? N/A
 If combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.) : Roof top HVAC units
 Fans & Vents (identify where fans/vents pull air from and where they vent/exhaust to) : Exhaust fan installed near 'IA-6' sample location in March 2021.

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

None

Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☒ No

New carpet or furniture ? ☐ Yes ☒ No What/Where ? _____

Recent painting or staining ? ☐ Yes ☒ No Where ? : _____

Any solvent or chemical-like odors ? ☐ Yes ☒ No Describe : _____

Last time Dry Cleaned fabrics brought in ? N/A What / Where ? _____

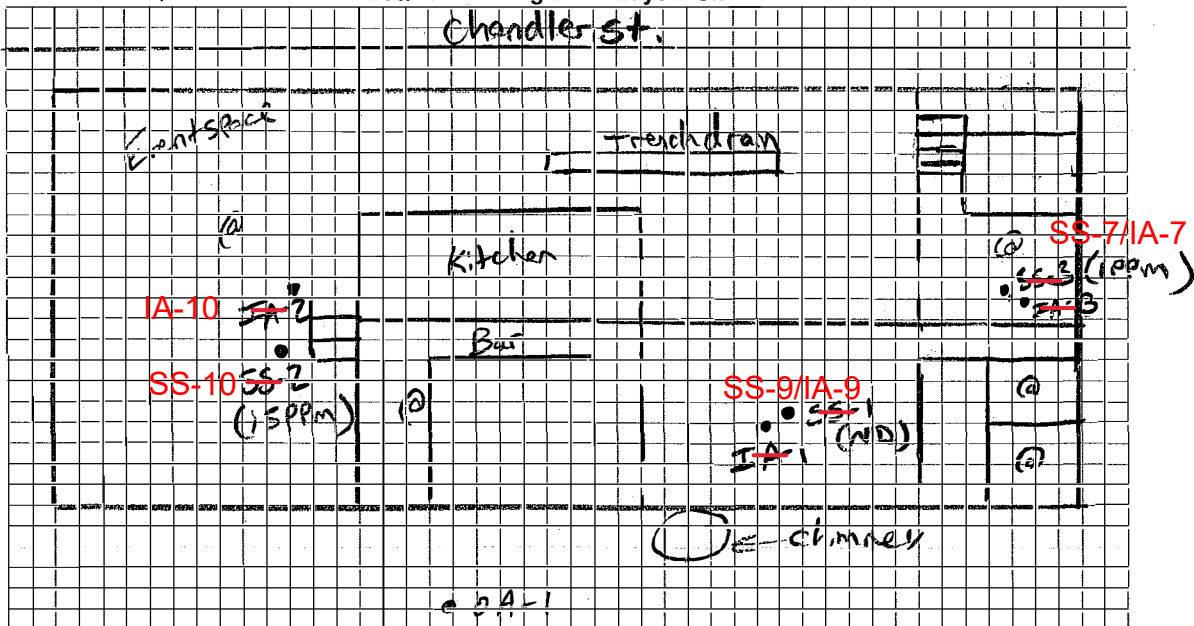
Do any building occupants use solvents at work ? ☐ Yes ☐ No Describe : _____

Any testing for Radon ? ☐ Yes ☒ No Results : _____

Radon System/Soil Vapor Intrusion Mitigation System present ? ☐ Yes ☐ No If yes, describe below

Blackbird cddy

Lowest Building Level Layout Sketch



- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	xxxxxxx	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	#####	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab vapor samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Page 1 of 1

Date: 3/29/2022

Structure ID: C 91 5312

Phone Number: _____

Date of PID Calibration: 3/28/2022

Identify any Changes from Original Building Questionnaire :

[illegible]



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: Signature Development

Project No.: 01101

Site Name & Address: 155 Chandler St. Buffalo, NY

Person(s) Performing Sampling: Eric Betzold & Jason Kryszak

Sample Identification: OA-1(032922)

Sample Type: ☐ Indoor Air (ambient) ☒ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 03/29/2022 Setup Time: 0830 Stop Time: 1630

Sample Depth: N/A

Sample Height: 4'

Sampling Method(s) & Device(s): 2.7 L Summa Canister & Regulator

Purge Volume: N/A

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 L Summa

Canister # 2300 Regulator # 0771

Vacuum Pressure of Canister Prior to Sampling: -30.09

Vacuum Pressure of Canister After Sampling: -6.99

Temperature in Sampling Zone: 30° F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: N/A

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments:

West wind

Ambient Air: 0.0ppm

Sampler's Signature Eric J Betzold

Date: 03/29/2022



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: Signature Development

Project No.: 01101

Site Name & Address: 155 Chandler St. Buffalo, NY

Person(s) Performing Sampling: Eric Betzold & Jason Kryszak

Sample Identification: SS-7(032922)

Sample Type: ☐ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☒ Sub-slab Vapor

Date of Collection: 03/29/2022 Setup Time: 0900 Stop Time: 1700

Sample Depth: 6 inches

Sample Height: N/A

Sampling Method(s) & Device(s): 2.7 L Summa Canister & Regulator

Purge Volume: N/A

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 L Summa

Canister # 145 Regulator # 0915

Vacuum Pressure of Canister Prior to Sampling: -30.43

Vacuum Pressure of Canister After Sampling: -9.20

Temperature in Sampling Zone: 70° F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: Subbase

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments:

Sub-slab: 1.0ppm

Completed in eastern portion of building in the electrical room.

Sampler's Signature Eric J Betzold

Date: 03/29/2022



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: Signature Development Project No.: 01101

Site Name & Address: 155 Chandler St. Buffalo, NY

Person(s) Performing Sampling: Eric Betzold & Jason Kryszak

Sample Identification: IA-7(032922)

Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 03/29/2022 Setup Time: 0900 Stop Time: 1700

Sample Depth: N/A

Sample Height: 4'

Sampling Method(s) & Device(s): 2.7 L Summa Canister & Regulator

Purge Volume: N/A

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 L Summa

Canister # 2072 Regulator # 02225

Vacuum Pressure of Canister Prior to Sampling: -30.30

Vacuum Pressure of Canister After Sampling: -9.30

Temperature in Sampling Zone: 70° F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: N/A

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments:

Ambient air: 0.0ppm

Sample completed in eastern portion of building in electrical room.

Sampler's Signature Eric J Betzold

Date: 03/29/2022



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: Signature Development

Project No.: 01101

Site Name & Address: 155 Chandler St. Buffalo, NY

Person(s) Performing Sampling: Eric Betzold & Jason Kryszak

Sample Identification: SS-9(032922)

Sample Type: ☐ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☒ Sub-slab Vapor

Date of Collection: 03/29/2022 Setup Time: 0840 Stop Time: 1640

Sample Depth: 6 inches

Sample Height: N/A

Sampling Method(s) & Device(s): 2.7 L Summa Canister & Regulator

Purge Volume: N/A

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 L Summa

Canister # 3198 Regulator # 01661

Vacuum Pressure of Canister Prior to Sampling: -29.38

Vacuum Pressure of Canister After Sampling: -7.75

Temperature in Sampling Zone: 70° F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: Subbase

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments:

Subslab: 0.0ppm

A positive pressure airflow was noted below the slab (fine dust from drilling blowing up slightly).

Sampler's Signature Eric J Betzold

Date: 03/29/2022



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: Signature Development

Project No.: 01101

Site Name & Address: 155 Chandler St. Buffalo, NY

Person(s) Performing Sampling: Eric Betzold & Jason Kryszak

Sample Identification: IA-9(032922)

Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 03/29/2022 Setup Time: 0845 Stop Time: 1645

Sample Depth: N/A

Sample Height: 4'

Sampling Method(s) & Device(s): 2.7 L Summa Canister & Regulator

Purge Volume: N/A

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 L Summa

Canister # 559 Regulator # 0095

Vacuum Pressure of Canister Prior to Sampling: -30.08

Vacuum Pressure of Canister After Sampling: -8.60

Temperature in Sampling Zone: 70° F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: N/A

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments:

Ambient air: 0.0ppm

Sample completed in 'Bar Area'

Sampler's Signature Eric J Betzold

Date: 03/29/2022



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: Signature Development

Project No.: 01101

Site Name & Address: 155 Chandler St. Buffalo, NY

Person(s) Performing Sampling: Eric Betzold & Jason Kryszak

Sample Identification: SS-10(032922)

Sample Type: ☐ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☒ Sub-slab Vapor

Date of Collection: 03/29/2022 Setup Time: 0850 Stop Time: 1650

Sample Depth: 6 inches

Sample Height: N/A

Sampling Method(s) & Device(s): 2.7 L Summa Canister & Regulator

Purge Volume: N/A

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 L Summa

Canister # 133 Regulator # 01536

Vacuum Pressure of Canister Prior to Sampling: -29.40

Vacuum Pressure of Canister After Sampling: -15.30

Temperature in Sampling Zone: 70° F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: Subbase

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments:

Sub-slab: 15.0ppm

Sample completed in basement area in the western portion of the building. During removal of
the sample tube, water was observed in the bottom of the tube. The saturated soils hindered
the amount of air collected in the canister.

Sampler's Signature Eric J Betzold

Date: 03/29/2022



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: Signature Development

Project No.: 01101

Site Name & Address: 155 Chandler St. Buffalo, NY

Person(s) Performing Sampling: Eric Betzold & Jason Kryszak

Sample Identification: IA-10(032922)

Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 03/29/2022 Setup Time: 0855 Stop Time: 1655

Sample Depth: N/A

Sample Height: 4'

Sampling Method(s) & Device(s): 2.7 L Summa Canister & Regulator

Purge Volume: N/A

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 L Summa

Canister # 370 Regulator # 01702

Vacuum Pressure of Canister Prior to Sampling: -30.17

Vacuum Pressure of Canister After Sampling: -5.03

Temperature in Sampling Zone: 70° F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: N/A

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments:

Ambient air: 0.0ppm

Sample completed in western portion of building 4' north of basement staircase.

Sampler's Signature Eric J. Betzold

Date: 03/29/2022

APPENDIX C

TABLES

Table 1
Indoor Air Analytical Testing Results Comparison
155 & 157 Chandler Street, Buffalo, NY
June 2021 Resample

Guidance Values - Indoor Air			
LOCATION	Table C2 Commercial Indoor Air Background (90%)	NYSDOH Air Guideline Value	IA-6 (061121) Indoor Air
SAMPLING DATE			6/17/2021
LAB SAMPLE ID			L2132969-01
Volatile Organics in Air (ug/m³)			
Acetone	98.9	NV	11.3
Carbon tetrachloride*	<1.3	NV	0.711
Chloromethane	3.7	NV	1.20
Dichlorodifluoromethane	16.5	NV	2.47
Ethanol	210	NV	41.6
Isopropanol	NV	NV	28.8
Toluene	43	NV	1.01
Trichloroethene*	4.2	2	1.31
Trichlorofluoromethane	18.1	NV	1.31

Notes:

1. Compounds detected in one or more samples included in this table. For a list of all compounds, refer to analytical report.
2. Analytical testing for VOCs via TO-15 completed by Alpha Laboratories.
3. Results present in ug/m³ or microgram per cubic meter.
4. Samples were collected during a 8-hour sample duration.
5. 90th percentile values as presented in C2 (EPA 2001: Building assessment and survey evaluation (BASE) database Appendix C, in the NYSDOH Guidance Manual, as indicated for indoor and outdoor air only.
6. Air Guideline Values from "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006, prepared by New York State Department of Health. Updated September 2013 and August 2015.
7. Grey shaded values represent exceedance of table C2 guidance values; yellow shaded values represents exceedance of NYSDOH Air Guideline Values.
8. NV = No Value

Table 2
Indoor Air Analytical Testing Results Comparison
155 & 157 Chandler Street, Buffalo, NY
December 2021 Annual Sample & Post Vent Install Resample

Guidance Values - Indoor Air													
LOCATION	Table C2 Commercial Indoor Air Background (90%)	NYSDOH Air Guideline Value	IA-1 (120221) Indoor Air	IA-2 (120221) Indoor Air	IA-3 (120221) Indoor Air	IA-4 (120221) Indoor Air	IA-4 (120221) Duplicate Indoor Air	IA-5 (120221) Indoor Air	IA-6 (120221) Indoor Air	IA-7 (120221) Indoor Air	IA-8 (120221) Indoor Air	OA-1 (120221) Outdoor Air	Table C2 Outdoor Air Guidance Values
SAMPLING DATE			12/2/2021	12/2/2021	12/2/2021	12/2/2021	12/2/2021	12/2/2021	12/2/2021	12/2/2021	12/2/2021	12/2/2021	
LAB SAMPLE ID			L2166417-09	L2166417-10	L2166417-04	L2166417-02	L2166417-03	L2166417-01	L2166417-08	L2166417-06	L2166417-07	L2166417-05	
Volatile Organics in Air (ug/m³)													
1,2,4-Trimethylbenzene	9.5	NV	ND	ND	ND	ND	ND	ND	ND	1.07	ND	ND	5.8
2,2,4-trimethylpentane	NV	NV	ND	ND	ND	ND	ND	ND	ND	1.44	1.47	ND	NV
Acetone	98.9	NV	15.7	17.6	113	195	194	316	20.1 J	152	123	7.79	43.7
Benzene	9.4	NV	ND	ND	0.85	ND	ND	0.872	ND	1.34	1.41	ND	6.6
Carbon disulfide	4.2	NV	ND	ND	1.42	ND	ND	ND	ND	ND	ND	ND	3.7
Carbon tetrachloride*	<1.3	NV	0.579	0.554	0.434	0.472	0.491	0.591	0.484 J	1.01	0.9	0.528	0.7
Chloroform	1.1	NV	ND	ND	ND	ND	5.66	ND	ND	ND	ND	ND	0.6
Chloromethane	3.7	NV	1.16	1.14	1.13	1.14	1.21	1.18	1.12 J	1.32	1.24	1.14	3.7
cis-1,2-Dichloroethene*	<1.9	NV	ND	ND	ND	ND	ND	0.266	ND	0.412	0.369	ND	<1.8
Cyclohexane	NV	NV	ND	ND	ND	ND	ND	ND	ND	1.48	1.57	ND	NV
Dichlorodifluoromethane	16.5	NV	2.78	2.82	2.51	2.61	2.73	2.49	2.53 J	2.64	2.71	2.68	8.1
Ethanol	210	NV	176	198	5310 R1	100	96.3	143	117 J	874	820	13.8	57
Ethyl acetate	5.4	NV	ND	ND	140	ND	ND	ND	ND	3.03	2.63	ND	1.5
Ethylbenzene	5.7	NV	ND	ND	ND	ND	ND	ND	ND	1.26	1.15	ND	3.5
Heptane	NV	NV	ND	ND	2.09	2.49	2.7	2.11	ND	5	2.73	ND	NV
Hexane	NV	NV	ND	ND	0.754	0.934	0.906	1.66	0.959 J	5.64	5.85	1.54	6.4
Isopropanol	NV	NV	20.5	32	578 R1	1720 R1	1730 R1	2370 R1	80.1 J	902 R1	733 R1	6.64	16.5
m&p-Xylene	22.2	NV	ND	2.21	2.45	ND	ND	1.89	ND	5.04	4.6	ND	12.8
Methyl Ethyl Ketone	12	NV	ND	ND	ND	ND	ND	1.68	ND	ND	ND	ND	11.3
Methylene chloride	10	60	ND	ND	ND	ND	ND	2.09	ND	3.72	ND	4.24	6.1
o-Xylene	7.9	NV	ND	0.943	0.951	ND	ND	ND	ND	1.73	1.6	ND	4.6
Tetrachloroethene*	15.9	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.5
Tetrahydrofuran	NV	NV	ND	3.27	ND	ND	ND	ND	ND	ND	ND	ND	NV
Toluene	43	NV	ND	1.07	0.946	1.23	1.21	2.46	1.26 J	10.8	7.5	1.46	33.7
Trichloroethene*	4.2	2	0.973	0.865	0.118	0.161	0.161	0.505	1.73 J	17.5	18	0.124	1.3
Trichlorofluoromethane	18.1	NV	1.33	1.33	1.33	1.24	1.28	1.35	1.28 J	1.44	1.37	1.34	4.3

Notes:

- Compounds detected in one or more samples included in this table. For a list of all compounds, refer to analytical report.
- Analytical testing for VOCs via TO-15 completed by Alpha Laboratories. * = samples analyzed for volatile organics in air by SIM.
- Results present in ug/m³ or microgram per cubic meter.
- Samples were collected during a 8-hour sample duration.
- 90th percentile values as presented in C2 (EPA 2001: Building assessment and survey evaluation (BASE) database Appendix C, in the NYSDOH Guidance Manual, as indicated for indoor and outdoor air only.
- Air Guideline Values from "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006, prepared by New York State Department of Health. Updated September 2013 and August 2015.
- Grey shaded values represent exceedance of table C2 guidance values; yellow shaded values represents exceedance of NYSDOH Air Guideline Values.
- Qualifiers: J = result is less than the reporting limit but greater or equal to the method detection limit and the concentration is an approximate value.
- ND = Non Detect; NV = No Value; R1 = Analytical results are from sample re-analysis.
- Red values represent updated values based on data validation.

Table 3
Indoor Air Analytical Testing Results
155 & 157 Chandler Street, Buffalo, NY
December 2018 through December 2021

	Guidance Values - Indoor Air		IA-1					IA-2				IA-3				IA-4						
LOCATION	Table C2 Commercial Indoor Air Background (90%)	NYSDOH Air Guideline Value	IA-1 Indoor Air	IA-1 (121219) Indoor Air	IA-1 (121219) Duplicate Indoor Air	IA-1 (121120) Indoor Air	IA-1 (120221) Indoor Air	IA-2 Indoor Air	IA-2 (121219) Indoor Air	IA-2 (121120) Indoor Air	IA-2 (120221) Indoor Air	IA-3 Indoor Air	IA-3 (121219) Indoor Air	IA-3 (121120) Indoor Air	IA-3 (120221) Duplicate Indoor Air	IA-3 (120221) Indoor Air	IA-4 Indoor Air	IA-4 Duplicate Indoor Air	IA-4 (121219) Indoor Air	IA-4 (121120) Indoor Air	IA-4 (120221) Indoor Air	IA-4 (120221) Duplicate Indoor Air
			12/18/2018	12/12/2019	12/12/2019	12/11/2020	12/2/2021	12/18/2018	12/12/2019	12/11/2020	12/2/2021	12/18/2018	12/12/2019	12/11/2020	12/11/2020	12/2/2021	12/18/2018	12/18/2018	12/12/2019	12/11/2020	12/2/2021	12/2/2021
SAMPLING DATE			L1852191-06	L1959919-06	L1959919-07	L2055692-06	L2166417-09	L1852191-07	L1959919-08	L2055692-07	L2166417-10	L1852191-02	L1959919-04	L2055692-03	L2055692-04	L2166417-04	L1852191-03	L1852191-04	L1959919-03	L2055692-02	L2166417-02	L2166417-03
LAB SAMPLE ID																						
Volatile Organics in Air (ug/m ³)																						
1,2,4-Trichlorobenzene	<6.8	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	9.5	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	<0.9	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-trimethylpentane	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	98.9	NV	14.4	11.9	11.8 J	8.46 J	15.7	14.6	12.4	7.98 J	17.6	21.1	13.3	8.29 J	11.7 J	113	24.7	24	8.20	9.93 J	195	194
Benzene	9.4	NV	ND	0.744	0.824 J	0.684	ND	ND	0.764	0.687	ND	ND	0.652	ND	0.642	0.85	ND	ND	0.684	ND	ND	ND
Carbon disulfide	4.2	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.24	1.35	1.36	1.94	1.42	ND	ND	ND	ND	ND	ND
Carbon tetrachloride*	<1.3	NV	0.591	0.579	0.572 J	0.522	0.579	0.566	0.598	0.516	0.554	0.541	0.491	0.428	0.453	0.434	0.711	0.723	0.516	0.384	0.472	0.491
Chloroform	1.1	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.66
Chloromethane	3.7	NV	1.25	1.19	1.16 J	1.07	1.16	1.14	1.22	1.07	1.14	2.24	1.18	1.02	1.06	1.13	2.95	1.13	1.11	1.04	1.14	1.21
cis-1,2-Dichloroethene*	<1.9	NV	ND	ND	ND	ND	ND	ND	ND	0.186	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	16.5	NV	1.63	2.59	2.59 J	2.20	2.78	1.68	2.70	2.12	2.82	2.4	2.58	2.02	2.06	2.51	1.78	1.66	2.57	2.04	2.61	2.73
Ethanol	210	NV	155	298	352 J	230	176	207	224	215	198	307	931	590	803	5310 R1	148	144	392	1,330	100	96.3
Ethyl acetate	5.4	NV	ND	6.85	7.03 J	6.45	ND	ND	9.30	7.24	ND	26.5	231	186	284	140	3.29	3.33	60.5	12.4	ND	ND
Ethylbenzene	5.7	NV	2.49	0.869	0.873 J	1.02	ND	2.32	0.877	1.33	ND	2.76	ND	ND	ND	ND	2.79	2.82	ND	ND	ND	ND
Heptane	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.09	ND	ND	ND	ND	2.49	2.7
Hexane (n-Hexane)	NV	NV	ND	0.888	0.962 J	1.34	ND	0.888	1.01	1.34	ND	0.811	ND	ND	ND	0.754	1.26	1.32	ND	0.839	0.934	0.906
Isopropanol	NV	NV	11.9	3.52	3.39 J	6.02	20.5	11.3	3.17	5.60	32	32.4	2.65	6.83	9.88	578 R1	99.6	97.8	2.48	7.18	1720 R1	1730 R1
m&p-Xylene	22.2	NV	9.56	3.36	3.33 J	4.34	ND	9.38	3.32	4.18	2.21	10.6	1.74	2.30	2.82	2.45	10.6	10.3	ND	2.39	ND	ND
Methyl Ethyl Ketone (2-Butanone)	12	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.58	ND	ND	ND	1.64	ND	ND	ND
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	10	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	7.9	NV	3.12	1.22	1.29 J	1.83	ND	3.09	1.22	1.47	0.943	2.86	ND	ND	0.947	0.951	3.14	3.24	ND	ND	ND	ND
Styrene	1.9	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene*	15.9	30	0.753	0.651	0.387 J	0.427	ND	0.685	0.346	1.00	ND	0.332	0.488	ND	ND	ND	0.922	0.882	ND	0.156	ND	ND
Tetrahydrofuran	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	43	NV	4.07	1.53	1.76 J	1.49	ND	1.21	1.57	1.43	1.07	1.16	1.38	1.41	1.58	0.946	4.26	5.8	1.30	1.15	1.23	1.21
trans-1,2-Dichloroethene	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.932	ND	ND
Trichloroethene*	4.2	2	0.849	0.833	0.844 J	0.801	0.973	0.736	0.742	0.790	0.865	0.489	ND	ND	0.145	0.118	1.34	1.37	ND	0.478	0.161	0.161
Trichlorofluoromethane	18.1	NV	1.33	1.25	1.29 J	1.19	1.33	1.3	1.29	1.15	1.33	1.12	1.27	1.15	ND	1.33	1.28	1.25	1.25	ND	1.24	1.28

LOCATION	Table C2 Commercial Indoor Air Background (90%)	NYSDOH Air Guideline Value	IA-5								IA-6										IA-7	IA-8	OA-1				Table C2 Outdoor Air Guidance Values		
			IA-5 Indoor Air	IA-5 (0219) Indoor Air	IA-5 (0219) Duplicate Indoor Air	IA-5 (0619) Indoor Air	IA-5 (0619) Duplicate Indoor Air	IA-5 (121219) Indoor Air	IA-5 (121120) Indoor Air	IA-5 (120221) Indoor Air	IA-6 Indoor Air	IA-6 (121219) Indoor Air	IA-6 (022020) Indoor Air	IA-6 (022020) Duplicate Indoor Air	IA-6 (121120) Indoor Air	IA-6 (021821) Indoor Air	IA-6 (021821) Duplicate Indoor Air	IA-6 (033121) Indoor Air	IA-6 (033121) Duplicate Indoor Air	IA-6 (061721) Indoor Air	IA-6 (120221) Indoor Air	IA-7 (120221) Indoor Air	IA-8 (120221) Indoor Air	OA-1 Outdoor Air	OA-1 (121219) Outdoor Air	OA-1 (121120) Outdoor Air		OA-1 (120221) Outdoor Air	
SAMPLING DATE			12/18/2018	2/13/2019	2/13/2019	6/21/2019	6/21/2019	12/12/2019	12/11/2020	12/2/2021	12/18/2018	12/12/2019	2/20/2020	2/20/2020	12/11/2020	2/18/2021	2/18/2021	3/31/2021	3/31/2021	6/17/2021	12/2/2021	12/2/2021	12/2/2021	12/18/2018	12/12/2019	12/11/2020	12/2/2021		
LAB SAMPLE ID			L1852191-01	L1905849-01	L1905849-02	L1927357-01	L1927357-02	L1959919-02	L2055692-01	L2166417-01	L1852191-05	L1959919-05	L2007739-01	L2007739-02	L2055692-05	L2108109-01	L2108109-02	L2108109-01	L2108109-01	L2132969-01	L2166417-08	L2166417-06	L2166417-07	L1852191-08	L1959919-01	L2055692-08	L2166417-05		
Volatile Organics in Air (ug/m ³)																													
1,2,4-Trichlorobenzene	<6.8	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.98	ND	ND	ND	<6.4	
1,2,4-Trimethylbenzene	9.5	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.09	1.24	ND	ND	1.20	ND	ND	ND	ND	ND	1.07	ND	ND	ND	ND	ND	5.8	
1,2-Dichloroethane	<0.9	NV	0.163	0.127	0.139	ND	ND	ND	ND	ND	0.103	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.8	
2,2,4-trimethylpentane	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.943	1.36	1.29	ND	ND	1.44	1.47	ND	ND	ND	ND	ND	NV	
Acetone	98.9	NV	46.3	33.5 J	36.3 J	38 J	40.4 J	9.45	6.29 J	316	5.3	8.69	165	187	7.63 J	3.99 J	2.85 J	21.3 J	20.3 J	11.3	20.1 J	152	123	4.39	3.44	4.16 J	7.79	43.7	
Benzene	9.4	NV	ND	ND	ND	ND	0.866	0.741	ND	0.872	ND	0.655	ND	ND	ND	1.12	1.13	1.30	1.25	ND	1.34	1.41	ND	ND	ND	ND	ND	6.6	
Carbon disulfide	4.2	NV	ND	ND	ND	0.673	0.704	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7	
Carbon tetrachloride*	<1.3	NV	2.31	1.09	1.05	0.591	0.598	0.547	0.415	0.591	0.598	2.26	0.434	0.453	0.528	0.434	0.465	0.528	0.535	0.711	0.484 J	1.01	0.9	0.459	0.484	0.403	0.528	0.7	
Chloroform	1.1	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6	
Chloromethane	3.7	NV	1.13	0.96	1.01	1.43	1.40	1.23	1.01	1.18	1.06	1.09	0.956	0.921	1.01	0.898	0.944	1.08	1.08	1.20	1.12 J	1.32	1.24	1.13	1.11	0.952	1.14	3.7	
cis-1,2-Dichloroethene*	<1.9	NV	0.163	0.127	0.139	ND	ND	ND	ND	0.266	0.103	0.270	0.095	0.119	0.079	ND	ND	0.095	0.091	ND	ND	0.412	0.369	ND	ND	ND	ND	<1.8	
Cyclohexane	NV	NV	ND	ND	ND	ND	1.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.688	1.16	1.13	ND	1.48	1.57	ND	ND	ND	ND	ND	NV	
Dichlorodifluoromethane	16.5	NV	1.61	2.44	2.49	2.69	2.53	2.63	1.93	2.49	2.49	2.66	1.86	1.93	2.08	1.99	2.02	2.12	2.16	2.47	2.53 J	2.64	2.71	1.39	2.55	1.89	2.68	8.1	
Ethanol	210	NV	910	298	315	675	667	63.3	3,050	143	40.1	194	111	129	228	105	104	194	220	41.6	117 J	874	820	ND	ND	ND	13.8	57	
Ethyl acetate	5.4	NV	15.9	3.2	3.28 J	5.19	6.45	ND	12.8	ND	ND	2.01	ND	ND	ND	2.79	2.56	ND	ND	ND	3.03	2.63	ND	ND	ND	ND	ND	1.5	
Ethylbenzene	5.7	NV	4.73	2	2.03	8.38	8.69	0.986	ND	ND	ND	5.52	5.86	ND	1.62	1.73	1.15	1.09	ND	ND	1.26	1.15	ND	ND	ND	ND	ND	3.5	
Heptane	NV	NV	ND	ND	ND	0.906	1.22	ND	ND	2.11	ND	ND	ND	ND	0.971	1.08	2.45	2.28	ND	ND	5	2.73	ND	ND	ND	ND	ND	NV	
Hexane (n-Hexane)	NV	NV	6.87	2.55	2.81	2.49	4.79	0.807	ND	1.66	ND	ND	ND	ND	0.733	3.30	3.41	5.08	4.79	ND	0.959 J	5.64	5.85	ND	ND	0.705	1.54	6.4	
Isopropanol	NV	NV	873	215	228	1230	1170	4.77	4.42	2370 R1	ND	9.24	5.21	5.19	2.11	1.83 J	1.93 J	79.2	79.2	28.8	80.1 J	902 R1	733 R1	ND	ND	ND	6.64	16.5	
m&p-Xylene	22.2	NV	19	8.17	8.17	36.7	36.2	3.82	1.82	1.89	ND	ND	18.0	19.3	ND	6.91	7.60	4.39	4.26	ND	ND	5.04	4.6	ND	ND	ND	ND	12.8	
Methyl Ethyl Ketone (2-Butanone)	12	NV	4.63	5.66	6.16	2.56	2.70	ND	ND	1.68	ND	1.62	ND	ND	ND	1.87	1.67	1.67	1.58	ND	ND	ND	ND	ND	ND	ND	ND	11.3	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NV	NV	19.8	4.51	4.39	5.12	5.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV	
Methylene chloride	10	60	ND	ND	ND	ND	2.01	ND	ND	2.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.72	ND	ND	ND	ND	ND	4.24	6.1
o-Xylene	7.9	NV	5.56	2.4	2.44	12.2	12.2	1.20	ND	ND	ND	5.21	5.60	ND	2.08	2.30	1.49	1.45	ND	ND	1.73	1.6	ND	ND	ND	ND	ND	4.6	
Styrene	1.9	NV	0.932	ND	ND	2.18	2.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	
Tetrachloroethene*	15.9	30	1.3	0.353	0.319	0.203	0.292	0.271	0.183	ND	0.529	0.448	0.305	0.292	0.285	0.170	0.210	0.353	0.319	ND	ND	ND	ND	ND	ND	ND	ND	6.5	
Tetrahydrofuran	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.86	1.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV	
Toluene	43	NV	7.65	5.35	5.39	5.39	8.63	2.58	1.01	2.46	ND	1.82	1.17	1.06	1.25	3.72	4.07	6.93	6.59	1.01	1.26 J	10.8	7.5	ND	0.855	0.806	1.46	33.7	
trans-1,2-Dichloroethene	NV	NV	1.44	2.36	2.5	6.15	5.95	1.10	1.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV	
Trichloroethene*	4.2	2	9.46	4.54	4.58	0.903	0.833	0.688	0.715	0.505	0.924	12.0	1.34	1.43	2.96	2.96	2.93	14.0	13.6	1.31	1.73 J	17.5	18	ND	ND	ND	0.124	1.3	
Trichlorofluoromethane	18.1	NV	1.25	ND	ND	1.41	1.49	1.32	ND	1.35	1.26	1.31	ND	ND	1.14	ND	ND	1.15	ND	1.31	1.28 J	1.44	1.37	1.16	1.24	ND	1.34	4.3	

Table 4
Groundwater Analytical Testing Results
155-157 Chandler Street, Buffalo, NY
July 2017 through December 2021

LOCATION	GA	Remedial Investigation		Site Management Plan											
		SB126 / MW-3	SB126 / MW-3	MW-3	MW-3 (Duplicate)	MW-3 (062119)	MW-3 (062119) (Duplicate)	MW-3 (121019)	MW-3 (121019) (Duplicate)	MW-3 (121019)	MW-3 (121019) (Duplicate)	MW-3 (121020)	MW-3 (121020) (Duplicate)	MW-3 (120221)	MW-3 (120221) Duplicate
SAMPLE DATE		7/27/2017	10/19/2017	1/14/2019	1/14/2019	06/21/19	06/21/19	12/10/19	12/10/19	12/10/19	12/10/19	12/10/20	12/10/20	12/02/21	12/02/21
LAB SAMPLE ID		L1726029	L1738023	L1901687-03	L1901687-04	L1927255-03	L1927255-04	L1959098-03	L1959098-04	L1959098-03	L1959098-04	L2055160-01	L2055160-02	L2166429-01	L2166429-02
Volatiles 8260C Analysis (ug/L)															
Acetone	50	24 J	88 J	ND	ND	ND	ND	ND	ND	ND	ND	2.4 JH	2.6 J	ND	ND
2-butanone	50	7.5	130 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	2.2	1.2	0.29 J	0.35 J	ND	ND	0.26 J	0.28 J	0.26 J	0.28 J	0.35 J	0.39 J	ND	ND
Carbon disulfide	NV	1.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NV	0.64 J	0.47 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	5	ND	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl cyclohexane	NV	0.82 J	0.67 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	11 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

- Analytical testing performed by Alpha Analytical. Compounds detected in one or more samples are presented in this table. Refer to Appendix for the full analytical report.
- ug/L = parts per billion (ppb).
- ND = not detected; NV = no value
- Analytical results compared to NYSDEC Class GA criteria obtained from the Division of Water Technical and Operational Guidance Series (TOGS 1.1.1)
- J = Estimated value. The target analyte is below the reporting limit (RL), but above the method detection limit (MDL). H = The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- Blue shaded values represent exceedance of NYSDEC Class GA criteria.
- Red values represent updated values based on data validation.

Table 5
March 2022 Soil Vapor Intrusion Analytical Testing Results
Pierce Arrow Business Center
155 Chandler Street, Buffalo, NY

LOCATION	Table C2 Commercial	NYSDOH Air	SS-7 (032922)	IA-7 (032922)	SS-9 (032922)	IA-9 (032922)	SS-10 (032922)	IA-10 (032922)	OA-1 (032922)	Table C2
SAMPLING DATE	Indoor Air	Guideline	3/29/2022	3/29/2022	3/29/2022	3/29/2022	3/29/2022	3/29/2022	3/29/2022	Commercial
LAB SAMPLE ID	Background (90%)	Value								Outdoor Air
			L2217738-07	L2217738-06	L2217738-02	L2217738-03	L2217738-04	L2217738-05	L2217738-01	Background (90%)
Volatile Organics in Air (ug/m3)										
1,1,1-Trichloroethane*	20.6	NV	ND	ND *	ND	ND *	ND	ND *	ND *	2.6
1,1,2,2-Tetrachloroethane	NV	NV	ND	ND	ND	ND	ND	ND	ND	NV
1,1,2-Trichloroethane	<1.5	NV	ND	ND	ND	ND	ND	ND	ND	<1.6
1,1-Dichloroethane	<0.7	NV	ND	ND	ND	ND	ND	ND	ND	<0.6
1,1-Dichloroethene*	<1.4	NV	ND	ND *	ND	ND *	ND	ND *	ND *	<1.4
1,2,4-Trichlorobenzene	<6.8	NV	ND	ND	ND	ND	ND	ND	ND	<6.4
1,2,4-Trimethylbenzene	9.5	NV	25.8	ND	27.9	ND	27.3	ND	ND	5.8
1,2-Dibromoethane	<1.5	NV	ND	ND	ND	ND	ND	ND	ND	<1.6
1,2-Dichlorobenzene	<1.2	NV	ND	ND	ND	ND	ND	ND	ND	<1.2
1,2-Dichloroethane	<0.9	NV	ND	ND	ND	ND	ND	ND	ND	<0.8
1,2-Dichloropropane	<1.6	NV	ND	ND	ND	ND	ND	ND	ND	<1.6
1,3,5-Trimethylbenzene	3.7	NV	6.34	ND	6.49	ND	6.93	ND	ND	2.7
1,3-Butadiene	<3.0	NV	ND	ND	ND	ND	111	ND	ND	<3.4
1,3-Dichlorobenzene	<2.4	NV	ND	ND	ND	ND	ND	ND	ND	<2.2
1,4-Dichlorobenzene	5.5	NV	ND	ND	ND	ND	ND	ND	ND	1.2
1,4-Dioxane	NV	NV	ND	ND	ND	ND	ND	ND	ND	NV
2,2,4-Trimethylpentane	NV	NV	ND	ND	1.59	ND	ND	ND	ND	NV
3-Chloropropene	NV	NV	ND	ND	ND	ND	ND	ND	ND	NV
4-Ethyltoluene	3.6	NV	6.19	ND	7.57	ND	9.68	ND	ND	3.0
Acetone	98.9	NV	4.37 J	65.6 J	13.7 J	41.6 J	92.6 J	88.8 J	3.52 J	43.7
Benzene	9.4	NV	8.31	ND	5.43	0.639	133	0.684	ND	6.6
Benzyl chloride	<6.8	NV	ND	ND	ND	ND	ND	ND	ND	<6.4
Bromodichloromethane	NV	NV	ND	ND	ND	ND	ND	ND	ND	NV
Bromoform	NV	NV	ND	ND	ND	ND	ND	ND	ND	NV
Bromomethane	<1.7	NV	ND	ND	ND	ND	ND	ND	ND	<1.6
Carbon disulfide	4.2	NV	ND	ND	3.18	ND	135	ND	ND	3.7
Carbon tetrachloride*	<1.3	NV	3.12	3.96 *	8.87	8.05 *	4.3	5.13 *	0.566 *	0.7
Chlorobenzene	<0.9	NV	ND	ND	ND	ND	ND	ND	ND	<0.8
Chloroethane	<1.1	NV	ND	ND	ND	ND	ND	ND	ND	<1.2
Chloroform	1.1	NV	ND	1.41	3.28	2.94	2.36	1.82	ND	0.6
Chloromethane	3.7	NV	ND	1.24	ND	1.21	4.44	1.23	1.11	3.7
cis-1,2-Dichloroethene*	<1.9	NV	ND	0.369 *	ND	0.389 *	ND	0.48 *	ND *	<1.8
cis-1,3-Dichloropropene	<2.3	NV	ND	ND	ND	ND	ND	ND	ND	<2.2
Cyclohexane	NV	NV	8.67	ND	5.68	ND	235	ND	ND	NV
Dibromochloromethane	NV	NV	ND	ND	ND	ND	ND	ND	ND	NV
Dichlorodifluoromethane	16.5	NV	2.57	2.69	2.73	2.69	2.6	2.7	2.55	8.1
Ethanol	210	NV	ND	232	14.8	209	33.9	144	ND	57
Ethyl Acetate	5.4	NV	2.24	ND	ND	ND	ND	1.99	ND	1.5
Ethylbenzene	5.7	NV	16.5	ND	16.5	ND	42.6	ND	ND	3.5
Freon-113	NV	NV	ND	ND	ND	ND	ND	ND	ND	NV
Freon-114	NV	NV	ND	ND	ND	ND	ND	ND	ND	NV
Heptane	NV	NV	14.3	ND	13.1	1.13	447	ND	ND	NV
Hexachlorobutadiene	<6.8	NV	ND	ND	ND	ND	ND	ND	ND	<6.4
n-Hexane	10.2	NV	32.6	ND	26.6	ND	465	ND	ND	6.4
Isopropanol	250	NV	3.74	371	8.06	237	16.8	543	3.79	16.5
p/m-Xylene	22.2	NV	79.9	ND	79.5	1.98	175	ND	ND	12.8
2-Hexanone	NV	NV	ND	ND	ND	ND	ND	ND	ND	NV
2-Butanone	12	NV	3.27	2.01	14.2	ND	23.2	ND	ND	11.3
4-Methyl-2-pentanone	6.0	NV	ND	ND	ND	ND	ND	ND	ND	1.9
Methyl tert butyl ether	11.5	NV	ND	ND	ND	ND	ND	ND	ND	6.2
Methylene chloride	10	60	ND	ND	1.99	ND	ND	ND	ND	6.1
o-Xylene	7.9	NV	25.4	ND	26.1	1.02	44.3	ND	ND	4.6
Styrene	1.9	NV	ND	ND	ND	ND	ND	ND	ND	1.3
Tertiary butyl Alcohol	NV	NV	ND	ND	ND	ND	ND	ND	ND	NV
Tetrachloroethene*	15.9	30	ND	0.373 *	1.45	0.61 *	ND	0.305 *	ND *	6.5
Tetrahydrofuran	NV	NV	ND	ND	8.49	ND	ND	ND	ND	NV
Toluene	43	NV	86.3	1.56	78	1.38	324	1.09	ND	33.7
trans-1,2-Dichloroethene	NV	NV	ND	ND	ND	ND	ND	ND	ND	NV
trans-1,3-Dichloropropene	<1.3	NV	ND	ND	ND	ND	ND	ND	ND	<1.4
Trichloroethene*	4.2	2	8.92	24.1 *	7.09	25.5 *	23.4	39.2 *	ND *	1.3
Trichlorofluoromethane	18.1	NV	1.52	1.31	1.57	1.38	ND	1.3	1.18	4.3
Vinyl bromide	NV	NV	ND	ND	ND	ND	ND	ND	ND	NV
Vinyl chloride*	<1.9	NV	ND	ND *	ND	ND *	ND	ND *	ND *	<1.8

Notes:

- Compounds detected in one or more samples included in this table. For a list of all compounds, refer to analytical report.
- Analytical testing for VOCs via TO-15 completed by Alpha Analytical.
- Results present in ug/m³ or microgram per cubic meter.
- Samples were collected during an 8-hour sample duration.
- 90th percentile values as presented in Table C2. EPA 2001: Building assessment and survey evaluation (BASE) database, SUMMS canister method (Appendix C, in the NYSDOH Guidance Manual).
- Air Guidance Values from Table 3.1 Air guideline values derived by the NYSDOH included in the "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006, prepared by New York State Department of Health and updated in September 2013 and August 2015.
- Green shaded values represent exceedance of Table C2 commercial background levels; yellow shaded values represent exceedance of NYSDOH Air Guideline Values as updated.
- ND = Non Detect; NV = No Background/Guideline Value
- * Volatile Organics in Air by SIM
- No appropriate guidance values apply to sub-slab air, therefore background guidance values from Table C2 and NYSDOH Air Guideline values from Table 3.1 are compared to indoor and outdoor air only.
- RED = Updated as a result of Data Validation.

Table 6
March 2022 Soil Vapor Intrusion Investigation Decision Matrices
155 Chandler Street, Buffalo, NY

Sample ID	Parameter	Sub-slab Vapor Concentrations (ug/m ³)	Indoor Air Concentration (ug/m ³)	Recommended Action
Matrix A Trichloroethene (TCE); cis-1,2-dichloroethene (cis-DCE); 1,1-dichloroethene (1,1-DCE); Carbon Tetrachloride				
SS-7/IA-7	TCE	8.92	24.1	Mitigate
	cis-DCE	ND	0.369	No further action
	1,1-DCE	ND	ND	No further action
	Carbon Tetrachloride	3.12	3.96	Identify Source(s) and Resample or Mitigate
SS-9/IA-9	TCE	7.09	25.5	Mitigate
	cis-DCE	ND	0.389	No further action
	1,1-DCE	ND	ND	No further action
	Carbon Tetrachloride	8.87	8.05	Mitigate
SS-10/IA-10	TCE	23.4	39.2	Mitigate
	cis-DCE	ND	0.48	No further action
	1,1-DCE	ND	ND	No further action
	Carbon Tetrachloride	4.3	5.13	Identify Source(s) and Resample or Mitigate
Matrix B Methylene Chloride (MC); 1,1,1- Trichloroethane (1,1,1-TCA); Tetrachloroethylene (PCE)				
SS-7/IA-7	MC	ND	ND	No further action
	1,1,1-TCA	ND	ND	No further action
	PCE	ND	0.373	No further action
SS-9/IA-9	MC	1.99	ND	No further action
	1,1,1-TCA	ND	ND	No further action
	PCE	1.45	0.610	No further action
SS-10/IA-10	MC	ND	ND	No further action
	1,1,1-TCA	ND	ND	No further action
	PCE	ND	0.305	No further action
Matrix C Vinyl Chloride (VC)				
SS-7/IA-7	VC	ND	ND	No further action
SS-9/IA-9	VC	ND	ND	No further action
SS-10/IA-10	VC	ND	ND	No further action

- Compounds included on NYSDOH Air Matrices included in this table. For a list of all compounds, refer to analytical report.
- Analytical testing for VOCs via TO-15 completed by Alpha Analytical.
- Results present in ug/m³ or microgram per cubic meter.
- Samples were collected during an 8-hour sample duration.
- Air Guidance Values from Table 3.1 Air guideline values derived by the NYSDOH included in the "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006, prepared by New York State Department of Health and updated in May 2017.
- Green shaded values represent Resampling to identify source Mitigation recommended; Orange shaded values represent Mitigation recommended.
- ND = Non Detect

APPENDIX D

LABORATORY ANALYTICAL RESULTS



ANALYTICAL REPORT

Lab Number:	L2132969
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	JUNE 2021 IA-6 RESAMPLE
Project Number:	01101
Report Date:	06/24/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

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



Project Name: JUNE 2021 IA-6 RESAMPLE
Project Number: 01101

Lab Number: L2132969
Report Date: 06/24/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2132969-01	IA-6 (061721)	AIR	155 CHANDLER ST. BUFFALO, NY	06/17/21 15:30	06/17/21

Project Name: JUNE 2021 IA-6 RESAMPLE
Project Number: 01101

Lab Number: L2132969
Report Date: 06/24/21

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: JUNE 2021 IA-6 RESAMPLE**Lab Number:** L2132969**Project Number:** 01101**Report Date:** 06/24/21**Case Narrative (continued)**

Volatile Organics in Air

Canisters were released from the laboratory on June 16, 2021. The canister certification results are provided as an addendum.

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: 06/24/21

AIR

Project Name: JUNE 2021 IA-6 RESAMPLE**Lab Number:** L2132969**Project Number:** 01101**Report Date:** 06/24/21**SAMPLE RESULTS**

Lab ID: L2132969-01
 Client ID: IA-6 (061721)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 06/17/21 15:30
 Date Received: 06/17/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/22/21 21:01
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.500	0.200	--	2.47	0.989	--		1
Chloromethane	0.582	0.200	--	1.20	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	22.1	5.00	--	41.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.76	1.00	--	11.3	2.38	--		1
Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--		1
Isopropanol	11.7	0.500	--	28.8	1.23	--		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
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: JUNE 2021 IA-6 RESAMPLE**Lab Number:** L2132969**Project Number:** 01101**Report Date:** 06/24/21**SAMPLE RESULTS**

Lab ID: L2132969-01
 Client ID: IA-6 (061721)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 06/17/21 15:30
 Date Received: 06/17/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	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	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	0.267	0.200	--	1.01	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	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



Project Name: JUNE 2021 IA-6 RESAMPLE**Lab Number:** L2132969**Project Number:** 01101**Report Date:** 06/24/21**SAMPLE RESULTS**

Lab ID: L2132969-01

Date Collected: 06/17/21 15:30

Client ID: IA-6 (061721)

Date Received: 06/17/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	89		60-140



Project Name: JUNE 2021 IA-6 RESAMPLE**Lab Number:** L2132969**Project Number:** 01101**Report Date:** 06/24/21**SAMPLE RESULTS**

Lab ID: L2132969-01
 Client ID: IA-6 (061721)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 06/17/21 15:30
 Date Received: 06/17/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/22/21 21:01
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.113	0.020	--	0.711	0.126	--		1
Trichloroethene	0.243	0.020	--	1.31	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	91		60-140



Project Name: JUNE 2021 IA-6 RESAMPLE

Lab Number: L2132969

Project Number: 01101

Report Date: 06/24/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/22/21 15:05

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1515522-4								
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: JUNE 2021 IA-6 RESAMPLE

Lab Number: L2132969

Project Number: 01101

Report Date: 06/24/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/22/21 15:05

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1515522-4								
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: JUNE 2021 IA-6 RESAMPLE

Lab Number: L2132969

Project Number: 01101

Report Date: 06/24/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/22/21 15:05

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1515522-4								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: JUNE 2021 IA-6 RESAMPLE

Lab Number: L2132969

Project Number: 01101

Report Date: 06/24/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 06/22/21 15:44

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01 Batch: WG1515525-4								
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: JUNE 2021 IA-6 RESAMPLE

Project Number: 01101

Lab Number: L2132969

Report Date: 06/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1515522-3								
Dichlorodifluoromethane	85		-		70-130	-		
Chloromethane	90		-		70-130	-		
Freon-114	88		-		70-130	-		
Vinyl chloride	89		-		70-130	-		
1,3-Butadiene	99		-		70-130	-		
Bromomethane	94		-		70-130	-		
Chloroethane	91		-		70-130	-		
Ethanol	89		-		40-160	-		
Vinyl bromide	90		-		70-130	-		
Acetone	72		-		40-160	-		
Trichlorofluoromethane	107		-		70-130	-		
Isopropanol	75		-		40-160	-		
1,1-Dichloroethene	96		-		70-130	-		
Tertiary butyl Alcohol	86		-		70-130	-		
Methylene chloride	100		-		70-130	-		
3-Chloropropene	98		-		70-130	-		
Carbon disulfide	91		-		70-130	-		
Freon-113	92		-		70-130	-		
trans-1,2-Dichloroethene	86		-		70-130	-		
1,1-Dichloroethane	90		-		70-130	-		
Methyl tert butyl ether	90		-		70-130	-		
2-Butanone	95		-		70-130	-		
cis-1,2-Dichloroethene	97		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: JUNE 2021 IA-6 RESAMPLE

Project Number: 01101

Lab Number: L2132969

Report Date: 06/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1515522-3								
Ethyl Acetate	94		-		70-130	-		
Chloroform	99		-		70-130	-		
Tetrahydrofuran	92		-		70-130	-		
1,2-Dichloroethane	100		-		70-130	-		
n-Hexane	100		-		70-130	-		
1,1,1-Trichloroethane	111		-		70-130	-		
Benzene	99		-		70-130	-		
Carbon tetrachloride	117		-		70-130	-		
Cyclohexane	102		-		70-130	-		
1,2-Dichloropropane	101		-		70-130	-		
Bromodichloromethane	111		-		70-130	-		
1,4-Dioxane	103		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	104		-		70-130	-		
Heptane	107		-		70-130	-		
cis-1,3-Dichloropropene	112		-		70-130	-		
4-Methyl-2-pentanone	107		-		70-130	-		
trans-1,3-Dichloropropene	99		-		70-130	-		
1,1,2-Trichloroethane	100		-		70-130	-		
Toluene	92		-		70-130	-		
2-Hexanone	97		-		70-130	-		
Dibromochloromethane	108		-		70-130	-		
1,2-Dibromoethane	92		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: JUNE 2021 IA-6 RESAMPLE

Project Number: 01101

Lab Number: L2132969

Report Date: 06/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1515522-3								
Tetrachloroethene	90		-		70-130	-		
Chlorobenzene	91		-		70-130	-		
Ethylbenzene	98		-		70-130	-		
p/m-Xylene	99		-		70-130	-		
Bromoform	110		-		70-130	-		
Styrene	96		-		70-130	-		
1,1,2,2-Tetrachloroethane	100		-		70-130	-		
o-Xylene	104		-		70-130	-		
4-Ethyltoluene	100		-		70-130	-		
1,3,5-Trimethylbenzene	111		-		70-130	-		
1,2,4-Trimethylbenzene	108		-		70-130	-		
Benzyl chloride	115		-		70-130	-		
1,3-Dichlorobenzene	102		-		70-130	-		
1,4-Dichlorobenzene	99		-		70-130	-		
1,2-Dichlorobenzene	102		-		70-130	-		
1,2,4-Trichlorobenzene	115		-		70-130	-		
Hexachlorobutadiene	115		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: JUNE 2021 IA-6 RESAMPLE

Project Number: 01101

Lab Number: L2132969

Report Date: 06/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG1515525-3								
Vinyl chloride	89		-		70-130	-		25
1,1-Dichloroethene	94		-		70-130	-		25
cis-1,2-Dichloroethene	94		-		70-130	-		25
1,1,1-Trichloroethane	105		-		70-130	-		25
Carbon tetrachloride	114		-		70-130	-		25
Trichloroethene	100		-		70-130	-		25
Tetrachloroethene	92		-		70-130	-		25

Lab Duplicate Analysis Batch Quality Control

Project Name: JUNE 2021 IA-6 RESAMPLE

Project Number: 01101

Lab Number: L2132969

Report Date: 06/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1515525-5 QC Sample: L2132969-01 Client ID: IA-6 (061721)						
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	0.113	0.119	ppbV	5		25
Trichloroethene	0.243	0.244	ppbV	0		25
Tetrachloroethene	ND	ND	ppbV	NC		25

Project Name: JUNE 2021 IA-6 RESAMPLE

Serial_No:06242114:36
Lab Number: L2132969

Project Number: 01101

Report Date: 06/24/21

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 Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2132969-01	IA-6 (061721)	01787	Flow 4	06/16/21	355542		-	-	-	Pass	4.5	4.2	7
L2132969-01	IA-6 (061721)	157	2.7L Can	06/16/21	355542	L2131138-06	Pass	-29.6	-5.7	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2131138
Report Date: 06/24/21

Air Canister Certification Results

Lab ID: L2131138-06
Client ID: CAN 171 SHELF 15
Sample Location:

Date Collected: 06/10/21 08:00
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 06/11/21 01:12
Analyst: AW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2131138
Report Date: 06/24/21

Air Canister Certification Results

Lab ID: L2131138-06
Client ID: CAN 171 SHELF 15
Sample Location:

Date Collected: 06/10/21 08:00
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2131138
Report Date: 06/24/21

Air Canister Certification Results

Lab ID: L2131138-06
Client ID: CAN 171 SHELF 15
Sample Location:

Date Collected: 06/10/21 08:00
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2131138
Report Date: 06/24/21

Air Canister Certification Results

Lab ID: L2131138-06
Client ID: CAN 171 SHELF 15
Sample Location:

Date Collected: 06/10/21 08:00
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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**Lab Number:** L2131138**Project Number:** CANISTER QC BAT**Report Date:** 06/24/21**Air Canister Certification Results**

Lab ID: L2131138-06

Date Collected: 06/10/21 08:00

Client ID: CAN 171 SHELF 15

Date Received: 06/10/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2131138
Report Date: 06/24/21

Air Canister Certification Results

Lab ID: L2131138-06
Client ID: CAN 171 SHELF 15
Sample Location:

Date Collected: 06/10/21 08:00
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 06/11/21 01:12
Analyst: AW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2131138
Report Date: 06/24/21

Air Canister Certification Results

Lab ID: L2131138-06
Client ID: CAN 171 SHELF 15
Sample Location:

Date Collected: 06/10/21 08:00
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.050	--	ND	0.188	--		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	0.200	--	ND	1.04	--		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:** L2131138**Project Number:** CANISTER QC BAT**Report Date:** 06/24/21**Air Canister Certification Results**

Lab ID: L2131138-06

Date Collected: 06/10/21 08:00

Client ID: CAN 171 SHELF 15

Date Received: 06/10/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	93		60-140
chlorobenzene-d5	90		60-140



Project Name: JUNE 2021 IA-6 RESAMPLE**Lab Number:** L2132969**Project Number:** 01101**Report Date:** 06/24/21**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**

L2132969-01A Canister - 2.7 Liter

Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)

Project Name: JUNE 2021 IA-6 RESAMPLE**Lab Number:** L2132969**Project Number:** 01101**Report Date:** 06/24/21

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: JUNE 2021 IA-6 RESAMPLE**Lab Number:** L2132969**Project Number:** 01101**Report Date:** 06/24/21**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.

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'.

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.

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.)

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.
- 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

Report Format: Data Usability Report



Project Name: JUNE 2021 IA-6 RESAMPLE
Project Number: 01101

Lab Number: L2132969
Report Date: 06/24/21

Data Qualifiers

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.

Project Name: JUNE 2021 IA-6 RESAMPLE
Project Number: 01101

Lab Number: L2132969
Report Date: 06/24/21

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

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Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility****EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**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.

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **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), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, 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.



ANALYTICAL REPORT

Lab Number:	L2166417
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	CY2021 SMP INDOOR AIR SAMPLING
Project Number:	01101
Report Date:	12/17/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

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



Project Name: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2166417-01	IA-5 (120221)	AIR	155 CHANDLER ST. BUFFALO, NY	12/02/21 16:50	12/03/21
L2166417-02	IA-4 (120221)	AIR	155 CHANDLER ST. BUFFALO, NY	12/02/21 16:55	12/03/21
L2166417-03	IA-4 (120221) DUP.	AIR	155 CHANDLER ST. BUFFALO, NY	12/02/21 16:55	12/03/21
L2166417-04	IA-3 (120221)	AIR	155 CHANDLER ST. BUFFALO, NY	12/02/21 17:00	12/03/21
L2166417-05	OA-1 (120221)	AIR	155 CHANDLER ST. BUFFALO, NY	12/02/21 17:05	12/03/21
L2166417-06	IA-7 (120221)	AIR	155 CHANDLER ST. BUFFALO, NY	12/02/21 17:10	12/03/21
L2166417-07	IA-8 (120221)	AIR	155 CHANDLER ST. BUFFALO, NY	12/02/21 17:12	12/03/21
L2166417-08	IA-6 (120221)	AIR	155 CHANDLER ST. BUFFALO, NY	12/02/21 17:15	12/03/21
L2166417-09	IA-1 (120221)	AIR	155 CHANDLER ST. BUFFALO, NY	12/02/21 17:17	12/03/21
L2166417-10	IA-2 (120221)	AIR	155 CHANDLER ST. BUFFALO, NY	12/02/21 17:20	12/03/21

Project Name: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21

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: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on November 30, 2021. The canister certification results are provided as an addendum.

L2166417-01D through -04D, and -06D and -07D: The samples were re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

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: 12/17/21

AIR

Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-01
 Client ID: IA-5 (120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 16:50
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/15/21 19:03
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.503	0.200	--	2.49	0.989	--		1
Chloromethane	0.573	0.200	--	1.18	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	75.8	5.00	--	143	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	133	1.00	--	316	2.38	--		1
Trichlorofluoromethane	0.240	0.200	--	1.35	1.12	--		1
Isopropanol	869	0.500	--	2140	1.23	--	E	1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.603	0.500	--	2.09	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	0.568	0.500	--	1.68	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: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-01

Date Collected: 12/02/21 16:50

Client ID: IA-5 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.470	0.200	--	1.66	0.705	--		1
Benzene	0.273	0.200	--	0.872	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	ND	0.200	--	ND	0.934	--		1
Heptane	0.514	0.200	--	2.11	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	0.652	0.200	--	2.46	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	0.434	0.400	--	1.89	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



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-01

Date Collected: 12/02/21 16:50

Client ID: IA-5 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	105		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-01

Date Collected: 12/02/21 16:50

Client ID: IA-5 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15-SIM

Analytical Date: 12/15/21 19:03

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.067	0.020	--	0.266	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.094	0.020	--	0.591	0.126	--		1
Trichloroethene	0.094	0.020	--	0.505	0.107	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	102		60-140
bromochloromethane	103		60-140
chlorobenzene-d5	102		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-01 D

Client ID: IA-5 (120221)

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 16:50

Date Received: 12/03/21

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 12/16/21 06:29

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Isopropanol	963	4.17	--	2370	10.3	--		8.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	98		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-02
 Client ID: IA-4 (120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 16:55
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/15/21 19:42
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.527	0.200	--	2.61	0.989	--		1
Chloromethane	0.553	0.200	--	1.14	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	53.3	5.00	--	100	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	82.1	1.00	--	195	2.38	--		1
Trichlorofluoromethane	0.221	0.200	--	1.24	1.12	--		1
Isopropanol	587	0.500	--	1440	1.23	--	E	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
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: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-02

Date Collected: 12/02/21 16:55

Client ID: IA-4 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.265	0.200	--	0.934	0.705	--		1
Benzene	ND	0.200	--	ND	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	ND	0.200	--	ND	0.934	--		1
Heptane	0.608	0.200	--	2.49	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	0.326	0.200	--	1.23	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
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



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-02

Date Collected: 12/02/21 16:55

Client ID: IA-4 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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



Project Name: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166417-02
 Client ID: IA-4 (120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 16:55
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/15/21 19:42
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.075	0.020	--	0.472	0.126	--		1
Trichloroethene	0.030	0.020	--	0.161	0.107	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-02 D

Client ID: IA-4 (120221)

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 16:55

Date Received: 12/03/21

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 12/16/21 07:05

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Isopropanol	701	2.50	--	1720	6.15	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	96		60-140

Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-03
 Client ID: IA-4 (120221) DUP.
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 16:55
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/15/21 20:21
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.552	0.200	--	2.73	0.989	--		1
Chloromethane	0.584	0.200	--	1.21	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	51.1	5.00	--	96.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	81.5	1.00	--	194	2.38	--		1
Trichlorofluoromethane	0.227	0.200	--	1.28	1.12	--		1
Isopropanol	584	0.500	--	1440	1.23	--	E	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
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.16	0.200	--	5.66	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-03

Date Collected: 12/02/21 16:55

Client ID: IA-4 (120221) DUP.

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.257	0.200	--	0.906	0.705	--		1
Benzene	ND	0.200	--	ND	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	ND	0.200	--	ND	0.934	--		1
Heptane	0.659	0.200	--	2.70	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	0.321	0.200	--	1.21	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
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



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-03

Date Collected: 12/02/21 16:55

Client ID: IA-4 (120221) DUP.

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166417-03
 Client ID: IA-4 (120221) DUP.
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 16:55
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/15/21 20:21
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.078	0.020	--	0.491	0.126	--		1
Trichloroethene	0.030	0.020	--	0.161	0.107	--		1

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



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-03 D

Date Collected: 12/02/21 16:55

Client ID: IA-4 (120221) DUP.

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 12/16/21 07:41

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Isopropanol	704	2.50	--	1730	6.15	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	98		60-140

Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-04
 Client ID: IA-3 (120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:00
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/15/21 21:00
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.508	0.200	--	2.51	0.989	--		1
Chloromethane	0.546	0.200	--	1.13	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	2640	5.00	--	4970	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	47.4	1.00	--	113	2.38	--		1
Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--		1
Isopropanol	264	0.500	--	649	1.23	--	E	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	0.455	0.200	--	1.42	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	38.8	0.500	--	140	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-04

Date Collected: 12/02/21 17:00

Client ID: IA-3 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.214	0.200	--	0.754	0.705	--		1
Benzene	0.266	0.200	--	0.850	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	ND	0.200	--	ND	0.934	--		1
Heptane	0.511	0.200	--	2.09	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	0.251	0.200	--	0.946	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	0.565	0.400	--	2.45	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	0.219	0.200	--	0.951	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-04

Date Collected: 12/02/21 17:00

Client ID: IA-3 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	91		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-04

Client ID: IA-3 (120221)

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:00

Date Received: 12/03/21

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15-SIM

Analytical Date: 12/15/21 21:00

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	0.022	0.020	--	0.118	0.107	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	87		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-04 D

Client ID: IA-3 (120221)

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:00

Date Received: 12/03/21

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 12/16/21 08:17

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethanol	2820	50.0	--	5310	94.2	--		10
Isopropanol	235	5.00	--	578	12.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	98		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-05
 Client ID: OA-1 (120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:05
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/15/21 21:39
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.542	0.200	--	2.68	0.989	--		1
Chloromethane	0.553	0.200	--	1.14	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	7.30	5.00	--	13.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.28	1.00	--	7.79	2.38	--		1
Trichlorofluoromethane	0.239	0.200	--	1.34	1.12	--		1
Isopropanol	2.70	0.500	--	6.64	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.22	0.500	--	4.24	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: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-05

Date Collected: 12/02/21 17:05

Client ID: OA-1 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.436	0.200	--	1.54	0.705	--		1
Benzene	ND	0.200	--	ND	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	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	0.388	0.200	--	1.46	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
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



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-05

Date Collected: 12/02/21 17:05

Client ID: OA-1 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166417-05
 Client ID: OA-1 (120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:05
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/15/21 21:39
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.084	0.020	--	0.528	0.126	--		1
Trichloroethene	0.023	0.020	--	0.124	0.107	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	90		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-06
 Client ID: IA-7 (120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:10
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/15/21 22:17
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.534	0.200	--	2.64	0.989	--		1
Chloromethane	0.641	0.200	--	1.32	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	464	5.00	--	874	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	64.0	1.00	--	152	2.38	--		1
Trichlorofluoromethane	0.257	0.200	--	1.44	1.12	--		1
Isopropanol	342	0.500	--	841	1.23	--	E	1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.07	0.500	--	3.72	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	0.841	0.500	--	3.03	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-06

Date Collected: 12/02/21 17:10

Client ID: IA-7 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.60	0.200	--	5.64	0.705	--		1
Benzene	0.421	0.200	--	1.34	0.639	--		1
Cyclohexane	0.430	0.200	--	1.48	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	0.308	0.200	--	1.44	0.934	--		1
Heptane	1.22	0.200	--	5.00	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	2.86	0.200	--	10.8	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	0.289	0.200	--	1.26	0.869	--		1
p/m-Xylene	1.16	0.400	--	5.04	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	0.399	0.200	--	1.73	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-06

Date Collected: 12/02/21 17:10

Client ID: IA-7 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.218	0.200	--	1.07	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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	82		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166417-06
 Client ID: IA-7 (120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:10
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/15/21 22:17
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.104	0.020	--	0.412	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.160	0.020	--	1.01	0.126	--		1
Trichloroethene	3.26	0.020	--	17.5	0.107	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	80		60-140
bromochloromethane	81		60-140
chlorobenzene-d5	80		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-06 D

Client ID: IA-7 (120221)

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:10

Date Received: 12/03/21

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 12/16/21 08:53

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Isopropanol	367	1.67	--	902	4.10	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	97		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-07
 Client ID: IA-8 (120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:12
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/15/21 22:56
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.548	0.200	--	2.71	0.989	--		1
Chloromethane	0.602	0.200	--	1.24	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	435	5.00	--	820	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	51.9	1.00	--	123	2.38	--		1
Trichlorofluoromethane	0.244	0.200	--	1.37	1.12	--		1
Isopropanol	320	0.500	--	787	1.23	--	E	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
Ethyl Acetate	0.731	0.500	--	2.63	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-07

Date Collected: 12/02/21 17:12

Client ID: IA-8 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.66	0.200	--	5.85	0.705	--		1
Benzene	0.441	0.200	--	1.41	0.639	--		1
Cyclohexane	0.455	0.200	--	1.57	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	0.315	0.200	--	1.47	0.934	--		1
Heptane	0.665	0.200	--	2.73	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	1.99	0.200	--	7.50	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	0.265	0.200	--	1.15	0.869	--		1
p/m-Xylene	1.06	0.400	--	4.60	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	0.368	0.200	--	1.60	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-07

Date Collected: 12/02/21 17:12

Client ID: IA-8 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	90		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-07

Client ID: IA-8 (120221)

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:12

Date Received: 12/03/21

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15-SIM

Analytical Date: 12/15/21 22:56

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.093	0.020	--	0.369	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	3.35	0.020	--	18.0	0.107	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	88		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-07 D

Client ID: IA-8 (120221)

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:12

Date Received: 12/03/21

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 12/16/21 09:30

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Isopropanol	298	1.67	--	733	4.10	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	99		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-08
 Client ID: IA-6 (120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:15
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/15/21 23:35
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.512	0.200	--	2.53	0.989	--		1
Chloromethane	0.540	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	62.2	5.00	--	117	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.46	1.00	--	20.1	2.38	--		1
Trichlorofluoromethane	0.227	0.200	--	1.28	1.12	--		1
Isopropanol	32.6	0.500	--	80.1	1.23	--		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
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: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-08

Date Collected: 12/02/21 17:15

Client ID: IA-6 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.272	0.200	--	0.959	0.705	--		1
Benzene	ND	0.200	--	ND	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	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	0.335	0.200	--	1.26	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
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



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-08

Date Collected: 12/02/21 17:15

Client ID: IA-6 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	96		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166417-08
 Client ID: IA-6 (120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:15
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/15/21 23:35
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	0.321	0.020	--	1.73	0.107	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-09

Client ID: IA-1 (120221)

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:17

Date Received: 12/03/21

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 12/16/21 00:14

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.562	0.200	--	2.78	0.989	--		1
Chloromethane	0.563	0.200	--	1.16	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	93.3	5.00	--	176	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.63	1.00	--	15.7	2.38	--		1
Trichlorofluoromethane	0.237	0.200	--	1.33	1.12	--		1
Isopropanol	8.35	0.500	--	20.5	1.23	--		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
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: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-09

Date Collected: 12/02/21 17:17

Client ID: IA-1 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	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	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
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



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-09

Date Collected: 12/02/21 17:17

Client ID: IA-1 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	92		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166417-09
 Client ID: IA-1 (120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:17
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/16/21 00:14
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.181	0.020	--	0.973	0.107	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	90		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-10
 Client ID: IA-2 (120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:20
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/16/21 00:53
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.570	0.200	--	2.82	0.989	--		1
Chloromethane	0.551	0.200	--	1.14	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	105	5.00	--	198	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.43	1.00	--	17.6	2.38	--		1
Trichlorofluoromethane	0.237	0.200	--	1.33	1.12	--		1
Isopropanol	13.0	0.500	--	32.0	1.23	--		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
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.11	0.500	--	3.27	1.47	--		1



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-10

Date Collected: 12/02/21 17:20

Client ID: IA-2 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	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	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	0.284	0.200	--	1.07	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	0.509	0.400	--	2.21	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	0.217	0.200	--	0.943	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166417-10

Date Collected: 12/02/21 17:20

Client ID: IA-2 (120221)

Date Received: 12/03/21

Sample Location: 155 CHANDLER ST. BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	92		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166417-10
 Client ID: IA-2 (120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 17:20
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/16/21 00:53
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.088	0.020	--	0.554	0.126	--		1
Trichloroethene	0.161	0.020	--	0.865	0.107	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140



Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/15/21 16:30

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG1583859-4								
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: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/15/21 16:30

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG1583859-4								
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: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/15/21 16:30

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG1583859-4								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 12/15/21 17:09

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-10 Batch: WG1583860-4								
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: CY2021 SMP INDOOR AIR SAMPLING

Project Number: 01101

Lab Number: L2166417

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG1583859-3								
Dichlorodifluoromethane	92		-		70-130	-		
Chloromethane	94		-		70-130	-		
Freon-114	98		-		70-130	-		
Vinyl chloride	101		-		70-130	-		
1,3-Butadiene	98		-		70-130	-		
Bromomethane	101		-		70-130	-		
Chloroethane	100		-		70-130	-		
Ethanol	95		-		40-160	-		
Vinyl bromide	97		-		70-130	-		
Acetone	115		-		40-160	-		
Trichlorofluoromethane	102		-		70-130	-		
Isopropanol	99		-		40-160	-		
1,1-Dichloroethene	105		-		70-130	-		
Tertiary butyl Alcohol	90		-		70-130	-		
Methylene chloride	99		-		70-130	-		
3-Chloropropene	98		-		70-130	-		
Carbon disulfide	91		-		70-130	-		
Freon-113	88		-		70-130	-		
trans-1,2-Dichloroethene	99		-		70-130	-		
1,1-Dichloroethane	103		-		70-130	-		
Methyl tert butyl ether	98		-		70-130	-		
2-Butanone	97		-		70-130	-		
cis-1,2-Dichloroethene	106		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CY2021 SMP INDOOR AIR SAMPLING

Project Number: 01101

Lab Number: L2166417

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG1583859-3								
Ethyl Acetate	106		-		70-130	-		
Chloroform	104		-		70-130	-		
Tetrahydrofuran	97		-		70-130	-		
1,2-Dichloroethane	101		-		70-130	-		
n-Hexane	102		-		70-130	-		
1,1,1-Trichloroethane	100		-		70-130	-		
Benzene	93		-		70-130	-		
Carbon tetrachloride	104		-		70-130	-		
Cyclohexane	103		-		70-130	-		
1,2-Dichloropropane	102		-		70-130	-		
Bromodichloromethane	107		-		70-130	-		
1,4-Dioxane	98		-		70-130	-		
Trichloroethene	103		-		70-130	-		
2,2,4-Trimethylpentane	104		-		70-130	-		
Heptane	98		-		70-130	-		
cis-1,3-Dichloropropene	108		-		70-130	-		
4-Methyl-2-pentanone	100		-		70-130	-		
trans-1,3-Dichloropropene	93		-		70-130	-		
1,1,2-Trichloroethane	104		-		70-130	-		
Toluene	93		-		70-130	-		
2-Hexanone	96		-		70-130	-		
Dibromochloromethane	110		-		70-130	-		
1,2-Dibromoethane	101		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CY2021 SMP INDOOR AIR SAMPLING

Project Number: 01101

Lab Number: L2166417

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG1583859-3								
Tetrachloroethene	99		-		70-130	-		
Chlorobenzene	100		-		70-130	-		
Ethylbenzene	101		-		70-130	-		
p/m-Xylene	101		-		70-130	-		
Bromoform	109		-		70-130	-		
Styrene	102		-		70-130	-		
1,1,2,2-Tetrachloroethane	105		-		70-130	-		
o-Xylene	104		-		70-130	-		
4-Ethyltoluene	97		-		70-130	-		
1,3,5-Trimethylbenzene	99		-		70-130	-		
1,2,4-Trimethylbenzene	104		-		70-130	-		
Benzyl chloride	99		-		70-130	-		
1,3-Dichlorobenzene	100		-		70-130	-		
1,4-Dichlorobenzene	101		-		70-130	-		
1,2-Dichlorobenzene	102		-		70-130	-		
1,2,4-Trichlorobenzene	107		-		70-130	-		
Hexachlorobutadiene	104		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21

Parameter	<i>LCS</i> %Recovery	Qual	<i>LCSD</i> %Recovery	Qual	<i>%Recovery</i> Limits	RPD	Qual	<i>RPD</i> Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-10 Batch: WG1583860-3								
Vinyl chloride	96		-		70-130	-		25
1,1-Dichloroethene	99		-		70-130	-		25
cis-1,2-Dichloroethene	99		-		70-130	-		25
1,1,1-Trichloroethane	89		-		70-130	-		25
Carbon tetrachloride	95		-		70-130	-		25
Trichloroethene	92		-		70-130	-		25
Tetrachloroethene	92		-		70-130	-		25

Project Name: CY2021 SMP INDOOR AIR SAMPLING

Serial_No: 12172117:07
Lab Number: L2166417

Project Number: 01101

Report Date: 12/17/21

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 Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2166417-01	IA-5 (120221)	0321	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.5	0
L2166417-01	IA-5 (120221)	1723	2.7L Can	11/30/21	371693	L2164399-01	Pass	-29.3	-7.5	-	-	-	-
L2166417-02	IA-4 (120221)	01379	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.7	4
L2166417-02	IA-4 (120221)	3408	2.7L Can	11/30/21	371693	L2164399-01	Pass	-29.2	-4.8	-	-	-	-
L2166417-03	IA-4 (120221) DUP.	01472	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	3.8	17
L2166417-03	IA-4 (120221) DUP.	3184	2.7L Can	11/30/21	371693	L2164399-01	Pass	-29.3	-5.4	-	-	-	-
L2166417-04	IA-3 (120221)	0292	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.5	0
L2166417-04	IA-3 (120221)	2737	2.7L Can	11/30/21	371693	L2164399-01	Pass	-29.2	-3.7	-	-	-	-
L2166417-05	OA-1 (120221)	0960	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.3	5
L2166417-05	OA-1 (120221)	2384	2.7L Can	11/30/21	371693	L2164399-01	Pass	-28.2	-4.8	-	-	-	-
L2166417-06	IA-7 (120221)	0139	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.2	7
L2166417-06	IA-7 (120221)	538	2.7L Can	11/30/21	371693	L2164399-01	Pass	-29.4	-6.2	-	-	-	-
L2166417-07	IA-8 (120221)	01369	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.7	4
L2166417-07	IA-8 (120221)	561	2.7L Can	11/30/21	371693	L2163998-01	Pass	-29.2	-6.2	-	-	-	-
L2166417-08	IA-6 (120221)	0958	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.2	7

Project Name: CY2021 SMP INDOOR AIR SAMPLING

Serial_No:12172117:07
Lab Number: L2166417

Project Number: 01101

Report Date: 12/17/21

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 Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2166417-08	IA-6 (120221)	2192	2.7L Can	11/30/21	371693	L2164399-01	Pass	-29.4	0.0	-	-	-	-
L2166417-09	IA-1 (120221)	01627	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.7	4
L2166417-09	IA-1 (120221)	3458	2.7L Can	11/30/21	371693	L2164399-01	Pass	-29.2	-7.5	-	-	-	-
L2166417-10	IA-2 (120221)	0059	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	3.0	40
L2166417-10	IA-2 (120221)	2239	2.7L Can	11/30/21	371693	L2163998-01	Pass	-29.3	-7.7	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2163998
Report Date: 12/17/21

Air Canister Certification Results

Lab ID: L2163998-01
Client ID: CAN 2305 SHELF 6
Sample Location:

Date Collected: 11/18/21 15:00
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/22/21 00:28
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2163998
Report Date: 12/17/21

Air Canister Certification Results

Lab ID: L2163998-01
Client ID: CAN 2305 SHELF 6
Sample Location:

Date Collected: 11/18/21 15:00
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2163998
Report Date: 12/17/21

Air Canister Certification Results

Lab ID: L2163998-01
Client ID: CAN 2305 SHELF 6
Sample Location:

Date Collected: 11/18/21 15:00
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2163998
Report Date: 12/17/21

Air Canister Certification Results

Lab ID: L2163998-01
Client ID: CAN 2305 SHELF 6
Sample Location:

Date Collected: 11/18/21 15:00
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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**Lab Number:** L2163998**Project Number:** CANISTER QC BAT**Report Date:** 12/17/21**Air Canister Certification Results**

Lab ID: L2163998-01

Date Collected: 11/18/21 15:00

Client ID: CAN 2305 SHELF 6

Date Received: 11/19/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	102		60-140
Bromochloromethane	110		60-140
chlorobenzene-d5	134		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2163998
Report Date: 12/17/21

Air Canister Certification Results

Lab ID: L2163998-01
Client ID: CAN 2305 SHELF 6
Sample Location:

Date Collected: 11/18/21 15:00
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/22/21 00:28
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2163998
Report Date: 12/17/21

Air Canister Certification Results

Lab ID: L2163998-01
Client ID: CAN 2305 SHELF 6
Sample Location:

Date Collected: 11/18/21 15:00
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.200	--	ND	1.04	--		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:** L2163998**Project Number:** CANISTER QC BAT**Report Date:** 12/17/21**Air Canister Certification Results**

Lab ID: L2163998-01

Date Collected: 11/18/21 15:00

Client ID: CAN 2305 SHELF 6

Date Received: 11/19/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	100		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	100		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2164399
Report Date: 12/17/21

Air Canister Certification Results

Lab ID: L2164399-01
Client ID: CAN 3244 SHELF 1
Sample Location:

Date Collected: 11/21/21 10:00
Date Received: 11/22/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/22/21 18:42
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2164399
Report Date: 12/17/21

Air Canister Certification Results

Lab ID: L2164399-01
Client ID: CAN 3244 SHELF 1
Sample Location:

Date Collected: 11/21/21 10:00
Date Received: 11/22/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2164399
Report Date: 12/17/21

Air Canister Certification Results

Lab ID: L2164399-01
Client ID: CAN 3244 SHELF 1
Sample Location:

Date Collected: 11/21/21 10:00
Date Received: 11/22/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2164399
Report Date: 12/17/21

Air Canister Certification Results

Lab ID: L2164399-01
Client ID: CAN 3244 SHELF 1
Sample Location:

Date Collected: 11/21/21 10:00
Date Received: 11/22/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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**Lab Number:** L2164399**Project Number:** CANISTER QC BAT**Report Date:** 12/17/21**Air Canister Certification Results**

Lab ID: L2164399-01

Date Collected: 11/21/21 10:00

Client ID: CAN 3244 SHELF 1

Date Received: 11/22/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	96		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2164399
Report Date: 12/17/21

Air Canister Certification Results

Lab ID: L2164399-01
Client ID: CAN 3244 SHELF 1
Sample Location:

Date Collected: 11/21/21 10:00
Date Received: 11/22/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/22/21 18:42
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2164399
Report Date: 12/17/21

Air Canister Certification Results

Lab ID: L2164399-01
Client ID: CAN 3244 SHELF 1
Sample Location:

Date Collected: 11/21/21 10:00
Date Received: 11/22/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.107	0.020	--	0.726	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	0.200	--	ND	1.04	--		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:** L2164399**Project Number:** CANISTER QC BAT**Report Date:** 12/17/21**Air Canister Certification Results**

Lab ID: L2164399-01

Date Collected: 11/21/21 10:00

Client ID: CAN 3244 SHELF 1

Date Received: 11/22/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	100		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140

Project Name: CY2021 SMP INDOOR AIR SAMPLING**Lab Number:** L2166417**Project Number:** 01101**Report Date:** 12/17/21**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(*)
L2166417-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2166417-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2166417-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2166417-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2166417-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2166417-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2166417-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2166417-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2166417-09A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2166417-10A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

Project Name: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21

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: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21

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.

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'.

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.

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.)

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.
- 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

Report Format: Data Usability Report



Project Name: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21

Data Qualifiers

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.)

Project Name: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21

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.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 19

Department: **Quality Assurance**

Published Date: 4/2/2021 1:14:23 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**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.

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **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), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, 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

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Env. Advantage Inc.
Address: 3636 N Buffalo Rd.
Orchard Park NY 14127
Phone: 716-667-3130
Fax: 716-667-3156
Email: mhanne@envadvantage.com

Project Information

Project Name: CY2021 SMP Indoor Air
Project Location: 155 Chandler St. Buffalo NY
Project #: 01101
Project Manager: Mark Hanna + Mary Szustak
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Time:

Date Rec'd in Lab: 12/6/21

Report Information - Data Deliverables

Sampling:
☐ 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)
mszustak@envadvantage.com

ALPHA Job #: 12166417

Billing Information

☒ Same as Client info PO #: 01101

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
<u>06417-01</u>	<u>IA-5 (120221)</u>	<u>12/2/21</u>	<u>8:50am</u>	<u>4:50pm</u>	<u>29.02"</u>	<u>-6.89"</u>	<u>AA</u>	<u>EB</u>	<u>2.7L</u>	<u>1723</u>	<u>0321</u>	<u>X</u>					<u>0.0PPM</u>
<u>02</u>	<u>IA-4 (120221)</u>	<u>12/2/21</u>	<u>8:55am</u>	<u>4:55pm</u>	<u>29.06"</u>	<u>-4.48"</u>	<u>AA</u>	<u>EB</u>	<u>2.7L</u>	<u>3408</u>	<u>0137</u>	<u>X</u>					<u>0.0PPM</u>
<u>03</u>	<u>IA-4 (120221) Dup.</u>	<u>12/2/21</u>	<u>8:55am</u>	<u>4:55pm</u>	<u>28.86"</u>	<u>-5.09"</u>	<u>AA</u>	<u>EB</u>	<u>2.7L</u>	<u>3184</u>	<u>0147</u>	<u>X</u>					<u>0.0PPM</u>
<u>04</u>	<u>IA-3 (120221)</u>	<u>12/2/21</u>	<u>9:00am</u>	<u>5:00pm</u>	<u>29.08"</u>	<u>-3.17"</u>	<u>AA</u>	<u>EB</u>	<u>2.7L</u>	<u>2737</u>	<u>0292</u>	<u>X</u>					<u>0.0PPM</u>
<u>05</u>	<u>OA-1 (120221)</u>	<u>12/2/21</u>	<u>9:05am</u>	<u>5:05pm</u>	<u>27.82"</u>	<u>-5.98"</u>	<u>AA</u>	<u>EB</u>	<u>2.7L</u>	<u>2384</u>	<u>0960</u>	<u>X</u>					<u>0.0PPM</u>
<u>06</u>	<u>IA-7 (120221)</u>	<u>12/2/21</u>	<u>9:10am</u>	<u>5:10pm</u>	<u>29.02"</u>	<u>-5.66"</u>	<u>AA</u>	<u>EB</u>	<u>2.7L</u>	<u>538</u>	<u>0139</u>	<u>X</u>					<u>0.0PPM</u>
<u>07</u>	<u>IA-8 (120221)</u>	<u>12/2/21</u>	<u>9:12am</u>	<u>5:12pm</u>	<u>29.13"</u>	<u>-5.82"</u>	<u>AA</u>	<u>EB</u>	<u>2.7L</u>	<u>561</u>	<u>0136</u>	<u>X</u>					<u>0.0PPM</u>
<u>08</u>	<u>IA-6 (120221)</u>	<u>12/2/21</u>	<u>9:15am</u>	<u>5:15pm</u>	<u>29.37"</u>	<u>-0.05"</u>	<u>AA</u>	<u>EB</u>	<u>2.7L</u>	<u>2192</u>	<u>0958</u>	<u>X</u>					<u>0.0PPM</u>
<u>09</u>	<u>IA-1 (120221)</u>	<u>12/2/21</u>	<u>9:17am</u>	<u>5:17pm</u>	<u>29.70"</u>	<u>-7.12"</u>	<u>AA</u>	<u>EB</u>	<u>2.7L</u>	<u>3458</u>	<u>0162</u>	<u>X</u>					<u>0.0PPM</u>
<u>10</u>	<u>IA-2 (120221)</u>	<u>12/2/21</u>	<u>9:20am</u>	<u>5:20pm</u>	<u>29.30"</u>	<u>-6.92"</u>	<u>AA</u>	<u>EB</u>	<u>2.7L</u>	<u>2239</u>	<u>0059</u>	<u>X</u>					<u>0.0PPM</u>

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

CS

Relinquished By:

Mary Szustak
UPS

Date/Time

12/3/21 9:37A
12/3/21 10:10

Received By:

AL
UPS

Date/Time:

12/3/21 9:37
12/6/21 11:47

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.



ANALYTICAL REPORT

Lab Number:	L2166429
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	CY2021 ANNUAL GW SAMPLING
Project Number:	01101
Report Date:	12/17/21

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: CY2021 ANNUAL GW SAMPLING
Project Number: 01101

Lab Number: L2166429
Report Date: 12/17/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2166429-01	MW-3(120221)	WATER	155 CHANDLER ST. BUFFALO, NY	12/02/21 11:20	12/03/21
L2166429-02	MW-3(120221) DUPLICATE	WATER	155 CHANDLER ST. BUFFALO, NY	12/02/21 11:20	12/03/21
L2166429-03	TRIP BLANK(120221)	WATER	155 CHANDLER ST. BUFFALO, NY	12/02/21 11:50	12/03/21
L2166429-04	RINSATE BLANK(120221)	WATER	155 CHANDLER ST. BUFFALO, NY	12/02/21 12:00	12/03/21

Project Name: CY2021 ANNUAL GW SAMPLING
Project Number: 01101

Lab Number: L2166429
Report Date: 12/17/21

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: CY2021 ANNUAL GW SAMPLING
Project Number: 01101

Lab Number: L2166429
Report Date: 12/17/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

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:



Kelly Stenstrom

Title: Technical Director/Representative

Date: 12/17/21

ORGANICS

VOLATILES

Project Name: CY2021 ANNUAL GW SAMPLING**Lab Number:** L2166429**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166429-01
 Client ID: MW-3(120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 11:20
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 12/12/21 18:01
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2021 ANNUAL GW SAMPLING**Lab Number:** L2166429**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166429-01
 Client ID: MW-3(120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 11:20
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	114		70-130

Project Name: CY2021 ANNUAL GW SAMPLING**Lab Number:** L2166429**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166429-02
 Client ID: MW-3(120221) DUPLICATE
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 11:20
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/12/21 17:38

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2021 ANNUAL GW SAMPLING**Lab Number:** L2166429**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166429-02
 Client ID: MW-3(120221) DUPLICATE
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 11:20
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	113		70-130

Project Name: CY2021 ANNUAL GW SAMPLING**Lab Number:** L2166429**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166429-03
 Client ID: TRIP BLANK(120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 11:50
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/12/21 17:14

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2021 ANNUAL GW SAMPLING**Lab Number:** L2166429**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166429-03
 Client ID: TRIP BLANK(120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 11:50
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	115		70-130

Project Name: CY2021 ANNUAL GW SAMPLING**Lab Number:** L2166429**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166429-04
 Client ID: RINSATE BLANK(120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 12:00
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 12/12/21 16:51
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2021 ANNUAL GW SAMPLING**Lab Number:** L2166429**Project Number:** 01101**Report Date:** 12/17/21**SAMPLE RESULTS**

Lab ID: L2166429-04
 Client ID: RINSATE BLANK(120221)
 Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 12/02/21 12:00
 Date Received: 12/03/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	113		70-130

Project Name: CY2021 ANNUAL GW SAMPLING
Project Number: 01101

Lab Number: L2166429
Report Date: 12/17/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/12/21 10:18
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1582628-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CY2021 ANNUAL GW SAMPLING
Project Number: 01101

Lab Number: L2166429
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/12/21 10:18
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1582628-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CY2021 ANNUAL GW SAMPLING
Project Number: 01101

Lab Number: L2166429
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/12/21 10:18
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1582628-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	116		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2021 ANNUAL GW SAMPLING

Project Number: 01101

Lab Number: L2166429

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1582628-3 WG1582628-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	96		97		63-132	1		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	87		91		63-130	4		20
1,1,2-Trichloroethane	86		93		70-130	8		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		110		75-130	10		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	94		95		67-130	1		20
trans-1,3-Dichloropropene	79		84		70-130	6		20
cis-1,3-Dichloropropene	88		90		70-130	2		20
Bromoform	78		84		54-136	7		20
1,1,2,2-Tetrachloroethane	86		92		67-130	7		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	130		130		64-130	0		20
Bromomethane	73		75		39-139	3		20
Vinyl chloride	130		130		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2021 ANNUAL GW SAMPLING

Project Number: 01101

Lab Number: L2166429

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1582628-3 WG1582628-4								
Chloroethane	130		130		55-138	0		20
1,1-Dichloroethene	120		120		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	96		98		70-130	2		20
1,3-Dichlorobenzene	98		100		70-130	2		20
1,4-Dichlorobenzene	98		100		70-130	2		20
Methyl tert butyl ether	84		88		63-130	5		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	90		92		58-148	2		20
Carbon disulfide	120		120		51-130	0		20
2-Butanone	91		96		63-138	5		20
4-Methyl-2-pentanone	77		84		59-130	9		20
2-Hexanone	82		89		57-130	8		20
Bromochloromethane	100		110		70-130	10		20
1,2-Dibromoethane	85		88		70-130	3		20
1,2-Dibromo-3-chloropropane	72		75		41-144	4		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	80		85		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2021 ANNUAL GW SAMPLING

Project Number: 01101

Lab Number: L2166429

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1582628-3 WG1582628-4								
1,2,4-Trichlorobenzene	84		87		70-130	4		20
Methyl Acetate	95		99		70-130	4		20
Cyclohexane	140	Q	140	Q	70-130	0		20
1,4-Dioxane	102		94		56-162	8		20
Freon-113	120		120		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		108		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	107		107		70-130

Matrix Spike Analysis**Batch Quality Control****Project Name:** CY2021 ANNUAL GW SAMPLING**Project Number:** 01101**Lab Number:** L2166429**Report Date:** 12/17/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1582628-6 WG1582628-7 QC Sample: L2166429-01 Client ID: MW-3(120221)												
Methylene chloride	ND	10	12	120		11	110		70-130	9		20
1,1-Dichloroethane	ND	10	14	140	Q	13	130		70-130	7		20
Chloroform	ND	10	12	120		11	110		70-130	9		20
Carbon tetrachloride	ND	10	11	110		10	100		63-132	10		20
1,2-Dichloropropane	ND	10	13	130		13	130		70-130	0		20
Dibromochloromethane	ND	10	11	110		11	110		63-130	0		20
1,1,2-Trichloroethane	ND	10	12	120		11	110		70-130	9		20
Tetrachloroethene	ND	10	12	120		11	110		70-130	9		20
Chlorobenzene	ND	10	12	120		12	120		75-130	0		20
Trichlorofluoromethane	ND	10	13	130		12	120		62-150	8		20
1,2-Dichloroethane	ND	10	13	130		13	130		70-130	0		20
1,1,1-Trichloroethane	ND	10	11	110		11	110		67-130	0		20
Bromodichloromethane	ND	10	11	110		11	110		67-130	0		20
trans-1,3-Dichloropropene	ND	10	10	100		9.8	98		70-130	2		20
cis-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
Bromoform	ND	10	10	100		10	100		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	10	12	120		12	120		67-130	0		20
Benzene	ND	10	12	120		12	120		70-130	0		20
Toluene	ND	10	12	120		12	120		70-130	0		20
Ethylbenzene	ND	10	12	120		12	120		70-130	0		20
Chloromethane	ND	10	15	150	Q	15	150	Q	64-130	0		20
Bromomethane	ND	10	8.4	84		8.3	83		39-139	1		20
Vinyl chloride	ND	10	15	150	Q	14	140		55-140	7		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CY2021 ANNUAL GW SAMPLING

Project Number: 01101

Lab Number: L2166429

Report Date: 12/17/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1582628-6 WG1582628-7 QC Sample: L2166429-01 Client ID: MW-3(120221)												
Chloroethane	ND	10	14	140	Q	13	130		55-138	7		20
1,1-Dichloroethene	ND	10	13	130		13	130		61-145	0		20
trans-1,2-Dichloroethene	ND	10	12	120		12	120		70-130	0		20
Trichloroethene	ND	10	12	120		11	110		70-130	9		20
1,2-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
1,3-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
1,4-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
Methyl tert butyl ether	ND	10	11	110		11	110		63-130	0		20
p/m-Xylene	ND	20	24	120		23	115		70-130	4		20
o-Xylene	ND	20	24	120		23	115		70-130	4		20
cis-1,2-Dichloroethene	ND	10	12	120		11	110		70-130	9		20
Styrene	ND	20	24	120		23	115		70-130	4		20
Dichlorodifluoromethane	ND	10	11	110		10	100		36-147	10		20
Acetone	ND	10	13	130		13	130		58-148	0		20
Carbon disulfide	ND	10	13	130		12	120		51-130	8		20
2-Butanone	ND	10	14	140	Q	14	140	Q	63-138	0		20
4-Methyl-2-pentanone	ND	10	12	120		12	120		59-130	0		20
2-Hexanone	ND	10	13	130		13	130		57-130	0		20
Bromochloromethane	ND	10	12	120		12	120		70-130	0		20
1,2-Dibromoethane	ND	10	11	110		11	110		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	10	100		11	110		41-144	10		20
Isopropylbenzene	ND	10	12	120		11	110		70-130	9		20
1,2,3-Trichlorobenzene	ND	10	10	100		11	110		70-130	10		20

Matrix Spike Analysis**Batch Quality Control****Project Name:** CY2021 ANNUAL GW SAMPLING**Project Number:** 01101**Lab Number:** L2166429**Report Date:** 12/17/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1582628-6 WG1582628-7 QC Sample: L2166429-01 Client ID: MW-3(120221)												
1,2,4-Trichlorobenzene	ND	10	10	100		10	100		70-130	0		20
Methyl Acetate	ND	10	14	140	Q	13	130		70-130	7		20
Cyclohexane	ND	10	15	150	Q	15	150	Q	70-130	0		20
1,4-Dioxane	ND	500	660	132		700	140		56-162	6		20
Freon-113	ND	10	12	120		12	120		70-130	0		20
Methyl cyclohexane	ND	10	11	110		10	100		70-130	10		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		116		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	106		104		70-130
Toluene-d8	103		102		70-130

Project Name: CY2021 ANNUAL GW SAMPLING**Lab Number:** L2166429**Project Number:** 01101**Report Date:** 12/17/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2166429-01A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2166429-01A1	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2166429-01A2	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2166429-01B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2166429-01B1	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2166429-01B2	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2166429-01C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2166429-01C1	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2166429-01C2	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2166429-02A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2166429-02B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2166429-02C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2166429-03A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2166429-03B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2166429-04A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2166429-04B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2166429-04C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)

Project Name: CY2021 ANNUAL GW SAMPLING**Lab Number:** L2166429**Project Number:** 01101**Report Date:** 12/17/21

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: DU Report with 'J' Qualifiers

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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.

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'.

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.

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.)

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. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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Data Qualifiers

- 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: DU Report with 'J' Qualifiers



Project Name: CY2021 ANNUAL GW SAMPLING
Project Number: 01101

Lab Number: L2166429
Report Date: 12/17/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**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.

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **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), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, 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.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <div style="border: 1px solid black; padding: 2px; display: inline-block;">1 of 1</div>		Date Rec'd in Lab <div style="font-size: 1.5em; font-family: cursive;">12/4/21</div>		ALPHA Job # <div style="font-size: 1.5em; font-family: cursive;">12166429</div>																																																																																																																																																																																																																				
		Project Information Project Name: <u>CY2021 Annual Gw Sampling</u> Project Location: <u>55 Chandler St. Buffalo, NY</u> Project # <u>01101</u> (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> Other <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (4 File)		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO # <u>01101</u>																																																																																																																																																																																																																						
Client Information Client: <u>Env. Advantage Inc.</u> Address: <u>3636 N. Buffalo Rd</u> <u>Orchard Park NY 14127</u> Phone: <u>716-667-3130</u> Fax: <u>716-667-3156</u> Email: <u>mhanna@envadvantage.com</u>		Project Manager: <u>Mark Hanna + Mary Szustak</u> ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge <input type="checkbox"/> NY Part 375 <input type="checkbox"/> NY CP-51 <input type="checkbox"/> Other		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																																																																																																																																																																																																																						
These samples have been previously analyzed by Alpha <input type="checkbox"/>						ANALYSIS		Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)																																																																																																																																																																																																																				
Other project specific requirements/comments: <u>Additionally email results to mszustak@envadvantage.com</u> <u>open new sample delivery group on 12/2/21; close sample delivery group 1</u>						<div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">VOC 8260 TCL</div>		<div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">Total Bottles</div>																																																																																																																																																																																																																				
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Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other						Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle						Westboro: Certification No: MA935 Mansfield: Certification No: MA015																																																																																																																																																																																																																
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Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)



ANALYTICAL REPORT

Lab Number:	L2217738
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	NYSDEC VIM STUDY
Project Number:	00101
Report Date:	06/01/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

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



Project Name: NYSDEC VIM STUDY
Project Number: 00101

Lab Number: L2217738
Report Date: 06/01/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2217738-01	OA-1 (032922)	AIR	155 CHANDLER ST. BUFFALO NY	03/29/22 16:30	03/30/22
L2217738-02	SS-9(032922)	SOIL_VAPOR	155 CHANDLER ST. BUFFALO NY	03/29/22 16:40	03/30/22
L2217738-03	IA-9(032922)	AIR	155 CHANDLER ST. BUFFALO NY	03/29/22 16:45	03/30/22
L2217738-04	SS-10(032922)	SOIL_VAPOR	155 CHANDLER ST. BUFFALO NY	03/29/22 17:05	03/30/22
L2217738-05	IA-10 (032922)	AIR	155 CHANDLER ST. BUFFALO NY	03/29/22 16:55	03/30/22
L2217738-06	IA-7 (032922)	AIR	155 CHANDLER ST. BUFFALO NY	03/29/22 17:00	03/30/22
L2217738-07	SS-7(032922)	SOIL_VAPOR	155 CHANDLER ST. BUFFALO NY	03/29/22 17:00	03/30/22

Project Name: NYSDEC VIM STUDY
Project Number: 00101

Lab Number: L2217738
Report Date: 06/01/22

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: NYSDEC VIM STUDY
Project Number: 00101

Lab Number: L2217738
Report Date: 06/01/22

Case Narrative (continued)

Report Revision

June 1, 2022 the report has been amended to change sample IDs at the request of the client. A revised COC is included in this submittal.

Volatile Organics in Air

Canisters were released from the laboratory on March 28, 2022. The canister certification results are provided as an addendum.

L2217738-04D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to perform a screen analysis. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

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: 06/01/22

AIR

Project Name: NYSDEC VIM STUDY**Project Number:** 00101**Lab Number:** L2217738**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-01
 Client ID: OA-1 (032922)
 Sample Location: 155 CHANDLER ST. BUFFALO NY

Date Collected: 03/29/22 16:30
 Date Received: 03/30/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/10/22 17:49
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.515	0.200	--	2.55	0.989	--		1
Chloromethane	0.539	0.200	--	1.11	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	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.48	1.00	--	3.52	2.38	--		1
Trichlorofluoromethane	0.210	0.200	--	1.18	1.12	--		1
Isopropanol	1.54	0.500	--	3.79	1.23	--		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
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: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

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Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	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	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
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
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



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-01

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Date Received: 03/30/22

Sample Location: 155 CHANDLER ST. BUFFALO NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	104		60-140



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

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 Client ID: OA-1 (032922)
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Date Collected: 03/29/22 16:30
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 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/10/22 17:49
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.090	0.020	--	0.566	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	105		60-140



Project Name: NYSDEC VIM STUDY**Project Number:** 00101**Lab Number:** L2217738**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-02
 Client ID: SS-9(032922)
 Sample Location: 155 CHANDLER ST. BUFFALO NY

Date Collected: 03/29/22 16:40
 Date Received: 03/30/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/10/22 22:58
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.552	0.200	--	2.73	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	7.86	5.00	--	14.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.75	1.00	--	13.7	2.38	--		1
Trichlorofluoromethane	0.279	0.200	--	1.57	1.12	--		1
Isopropanol	3.28	0.500	--	8.06	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	0.574	0.500	--	1.99	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.02	0.200	--	3.18	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	4.80	0.500	--	14.2	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-02

Date Collected: 03/29/22 16:40

Client ID: SS-9(032922)

Date Received: 03/30/22

Sample Location: 155 CHANDLER ST. BUFFALO NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.671	0.200	--	3.28	0.977	--		1
Tetrahydrofuran	2.88	0.500	--	8.49	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	7.54	0.200	--	26.6	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	1.70	0.200	--	5.43	0.639	--		1
Carbon tetrachloride	1.41	0.200	--	8.87	1.26	--		1
Cyclohexane	1.65	0.200	--	5.68	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	1.32	0.200	--	7.09	1.07	--		1
2,2,4-Trimethylpentane	0.341	0.200	--	1.59	0.934	--		1
Heptane	3.20	0.200	--	13.1	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	20.7	0.200	--	78.0	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	0.214	0.200	--	1.45	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	3.79	0.200	--	16.5	0.869	--		1



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-02

Date Collected: 03/29/22 16:40

Client ID: SS-9(032922)

Date Received: 03/30/22

Sample Location: 155 CHANDLER ST. BUFFALO NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	18.3	0.400	--	79.5	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	6.01	0.200	--	26.1	0.869	--		1
4-Ethyltoluene	1.54	0.200	--	7.57	0.983	--		1
1,3,5-Trimethylbenzene	1.32	0.200	--	6.49	0.983	--		1
1,2,4-Trimethylbenzene	5.68	0.200	--	27.9	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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	98		60-140



Project Name: NYSDEC VIM STUDY**Project Number:** 00101**Lab Number:** L2217738**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-03
 Client ID: IA-9(032922)
 Sample Location: 155 CHANDLER ST. BUFFALO NY

Date Collected: 03/29/22 16:45
 Date Received: 03/30/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/10/22 21:03
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.543	0.200	--	2.69	0.989	--		1
Chloromethane	0.587	0.200	--	1.21	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	111	5.00	--	209	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	17.5	1.00	--	41.6	2.38	--		1
Trichlorofluoromethane	0.246	0.200	--	1.38	1.12	--		1
Isopropanol	96.4	0.500	--	237	1.23	--		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
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.602	0.200	--	2.94	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-03

Date Collected: 03/29/22 16:45

Client ID: IA-9(032922)

Date Received: 03/30/22

Sample Location: 155 CHANDLER ST. BUFFALO NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.200	0.200	--	0.639	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	ND	0.200	--	ND	0.934	--		1
Heptane	0.276	0.200	--	1.13	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	0.366	0.200	--	1.38	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	0.456	0.400	--	1.98	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	0.234	0.200	--	1.02	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: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-03

Date Collected: 03/29/22 16:45

Client ID: IA-9(032922)

Date Received: 03/30/22

Sample Location: 155 CHANDLER ST. BUFFALO NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	98		60-140



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-03
 Client ID: IA-9(032922)
 Sample Location: 155 CHANDLER ST. BUFFALO NY

Date Collected: 03/29/22 16:45
 Date Received: 03/30/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/10/22 21:03
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.098	0.020	--	0.389	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	1.28	0.020	--	8.05	0.126	--		1
Trichloroethene	4.74	0.020	--	25.5	0.107	--		1
Tetrachloroethene	0.090	0.020	--	0.610	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	100		60-140



Project Name: NYSDEC VIM STUDY**Project Number:** 00101**Lab Number:** L2217738**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-04 D
 Client ID: SS-10(032922)
 Sample Location: 155 CHANDLER ST. BUFFALO NY

Date Collected: 03/29/22 17:05
 Date Received: 03/30/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/10/22 23:37
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.526	0.422	--	2.60	2.09	--		2.111
Chloromethane	2.15	0.422	--	4.44	0.871	--		2.111
Freon-114	ND	0.422	--	ND	2.95	--		2.111
Vinyl chloride	ND	0.422	--	ND	1.08	--		2.111
1,3-Butadiene	50.3	0.422	--	111	0.934	--		2.111
Bromomethane	ND	0.422	--	ND	1.64	--		2.111
Chloroethane	ND	0.422	--	ND	1.11	--		2.111
Ethanol	18.0	10.6	--	33.9	20.0	--		2.111
Vinyl bromide	ND	0.422	--	ND	1.85	--		2.111
Acetone	39.0	2.11	--	92.6	5.01	--		2.111
Trichlorofluoromethane	ND	0.422	--	ND	2.37	--		2.111
Isopropanol	6.84	1.06	--	16.8	2.61	--		2.111
1,1-Dichloroethene	ND	0.422	--	ND	1.67	--		2.111
Tertiary butyl Alcohol	ND	1.06	--	ND	3.21	--		2.111
Methylene chloride	ND	1.06	--	ND	3.68	--		2.111
3-Chloropropene	ND	0.422	--	ND	1.32	--		2.111
Carbon disulfide	43.5	0.422	--	135	1.31	--		2.111
Freon-113	ND	0.422	--	ND	3.23	--		2.111
trans-1,2-Dichloroethene	ND	0.422	--	ND	1.67	--		2.111
1,1-Dichloroethane	ND	0.422	--	ND	1.71	--		2.111
Methyl tert butyl ether	ND	0.422	--	ND	1.52	--		2.111
2-Butanone	7.87	1.06	--	23.2	3.13	--		2.111
cis-1,2-Dichloroethene	ND	0.422	--	ND	1.67	--		2.111



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-04 D
 Client ID: SS-10(032922)
 Sample Location: 155 CHANDLER ST. BUFFALO NY

Date Collected: 03/29/22 17:05
 Date Received: 03/30/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.06	--	ND	3.82	--		2.111
Chloroform	0.483	0.422	--	2.36	2.06	--		2.111
Tetrahydrofuran	ND	1.06	--	ND	3.13	--		2.111
1,2-Dichloroethane	ND	0.422	--	ND	1.71	--		2.111
n-Hexane	132	0.422	--	465	1.49	--		2.111
1,1,1-Trichloroethane	ND	0.422	--	ND	2.30	--		2.111
Benzene	41.7	0.422	--	133	1.35	--		2.111
Carbon tetrachloride	0.684	0.422	--	4.30	2.65	--		2.111
Cyclohexane	68.4	0.422	--	235	1.45	--		2.111
1,2-Dichloropropane	ND	0.422	--	ND	1.95	--		2.111
Bromodichloromethane	ND	0.422	--	ND	2.83	--		2.111
1,4-Dioxane	ND	0.422	--	ND	1.52	--		2.111
Trichloroethene	4.36	0.422	--	23.4	2.27	--		2.111
2,2,4-Trimethylpentane	ND	0.422	--	ND	1.97	--		2.111
Heptane	109	0.422	--	447	1.73	--		2.111
cis-1,3-Dichloropropene	ND	0.422	--	ND	1.92	--		2.111
4-Methyl-2-pentanone	ND	1.06	--	ND	4.34	--		2.111
trans-1,3-Dichloropropene	ND	0.422	--	ND	1.92	--		2.111
1,1,2-Trichloroethane	ND	0.422	--	ND	2.30	--		2.111
Toluene	86.0	0.422	--	324	1.59	--		2.111
2-Hexanone	ND	0.422	--	ND	1.73	--		2.111
Dibromochloromethane	ND	0.422	--	ND	3.60	--		2.111
1,2-Dibromoethane	ND	0.422	--	ND	3.24	--		2.111
Tetrachloroethene	ND	0.422	--	ND	2.86	--		2.111
Chlorobenzene	ND	0.422	--	ND	1.94	--		2.111
Ethylbenzene	9.80	0.422	--	42.6	1.83	--		2.111



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-04 D
 Client ID: SS-10(032922)
 Sample Location: 155 CHANDLER ST. BUFFALO NY

Date Collected: 03/29/22 17:05
 Date Received: 03/30/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	40.2	0.844	--	175	3.67	--		2.111
Bromoform	ND	0.422	--	ND	4.36	--		2.111
Styrene	ND	0.422	--	ND	1.80	--		2.111
1,1,2,2-Tetrachloroethane	ND	0.422	--	ND	2.90	--		2.111
o-Xylene	10.2	0.422	--	44.3	1.83	--		2.111
4-Ethyltoluene	1.97	0.422	--	9.68	2.07	--		2.111
1,3,5-Trimethylbenzene	1.41	0.422	--	6.93	2.07	--		2.111
1,2,4-Trimethylbenzene	5.55	0.422	--	27.3	2.07	--		2.111
Benzyl chloride	ND	0.422	--	ND	2.19	--		2.111
1,3-Dichlorobenzene	ND	0.422	--	ND	2.54	--		2.111
1,4-Dichlorobenzene	ND	0.422	--	ND	2.54	--		2.111
1,2-Dichlorobenzene	ND	0.422	--	ND	2.54	--		2.111
1,2,4-Trichlorobenzene	ND	0.422	--	ND	3.13	--		2.111
Hexachlorobutadiene	ND	0.422	--	ND	4.50	--		2.111

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



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-05
 Client ID: IA-10 (032922)
 Sample Location: 155 CHANDLER ST. BUFFALO NY

Date Collected: 03/29/22 16:55
 Date Received: 03/30/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/10/22 21:41
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.546	0.200	--	2.70	0.989	--		1
Chloromethane	0.594	0.200	--	1.23	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	76.4	5.00	--	144	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	37.4	1.00	--	88.8	2.38	--		1
Trichlorofluoromethane	0.232	0.200	--	1.30	1.12	--		1
Isopropanol	221	0.500	--	543	1.23	--		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
Ethyl Acetate	0.551	0.500	--	1.99	1.80	--		1
Chloroform	0.373	0.200	--	1.82	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-05

Date Collected: 03/29/22 16:55

Client ID: IA-10 (032922)

Date Received: 03/30/22

Sample Location: 155 CHANDLER ST. BUFFALO NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.214	0.200	--	0.684	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	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	0.290	0.200	--	1.09	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	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



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-05

Date Collected: 03/29/22 16:55

Client ID: IA-10 (032922)

Date Received: 03/30/22

Sample Location: 155 CHANDLER ST. BUFFALO NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	103		60-140



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-05
 Client ID: IA-10 (032922)
 Sample Location: 155 CHANDLER ST. BUFFALO NY

Date Collected: 03/29/22 16:55
 Date Received: 03/30/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/10/22 21:41
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.121	0.020	--	0.480	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.815	0.020	--	5.13	0.126	--		1
Trichloroethene	7.29	0.020	--	39.2	0.107	--		1
Tetrachloroethene	0.045	0.020	--	0.305	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	104		60-140



Project Name: NYSDEC VIM STUDY**Project Number:** 00101**Lab Number:** L2217738**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-06
 Client ID: IA-7 (032922)
 Sample Location: 155 CHANDLER ST. BUFFALO NY

Date Collected: 03/29/22 17:00
 Date Received: 03/30/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/10/22 22:20
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.545	0.200	--	2.69	0.989	--		1
Chloromethane	0.600	0.200	--	1.24	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	123	5.00	--	232	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	27.6	1.00	--	65.6	2.38	--		1
Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--		1
Isopropanol	151	0.500	--	371	1.23	--		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	0.681	0.500	--	2.01	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.288	0.200	--	1.41	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-06

Date Collected: 03/29/22 17:00

Client ID: IA-7 (032922)

Date Received: 03/30/22

Sample Location: 155 CHANDLER ST. BUFFALO NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	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	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	0.414	0.200	--	1.56	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
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
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



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-06

Date Collected: 03/29/22 17:00

Client ID: IA-7 (032922)

Date Received: 03/30/22

Sample Location: 155 CHANDLER ST. BUFFALO NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	97		60-140



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-06
 Client ID: IA-7 (032922)
 Sample Location: 155 CHANDLER ST. BUFFALO NY

Date Collected: 03/29/22 17:00
 Date Received: 03/30/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/10/22 22:20
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.093	0.020	--	0.369	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.629	0.020	--	3.96	0.126	--		1
Trichloroethene	4.48	0.020	--	24.1	0.107	--		1
Tetrachloroethene	0.055	0.020	--	0.373	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	98		60-140



Project Name: NYSDEC VIM STUDY**Project Number:** 00101**Lab Number:** L2217738**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-07
 Client ID: SS-7(032922)
 Sample Location: 155 CHANDLER ST. BUFFALO NY

Date Collected: 03/29/22 17:00
 Date Received: 03/30/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/11/22 00:15
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.519	0.200	--	2.57	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	1.84	1.00	--	4.37	2.38	--		1
Trichlorofluoromethane	0.270	0.200	--	1.52	1.12	--		1
Isopropanol	1.52	0.500	--	3.74	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	1.11	0.500	--	3.27	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-07

Client ID: SS-7(032922)

Sample Location: 155 CHANDLER ST. BUFFALO NY

Date Collected: 03/29/22 17:00

Date Received: 03/30/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	0.622	0.500	--	2.24	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	9.26	0.200	--	32.6	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	2.60	0.200	--	8.31	0.639	--		1
Carbon tetrachloride	0.496	0.200	--	3.12	1.26	--		1
Cyclohexane	2.52	0.200	--	8.67	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	1.66	0.200	--	8.92	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	3.50	0.200	--	14.3	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	22.9	0.200	--	86.3	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
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	3.80	0.200	--	16.5	0.869	--		1



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**SAMPLE RESULTS**

Lab ID: L2217738-07

Date Collected: 03/29/22 17:00

Client ID: SS-7(032922)

Date Received: 03/30/22

Sample Location: 155 CHANDLER ST. BUFFALO NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	18.4	0.400	--	79.9	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	5.84	0.200	--	25.4	0.869	--		1
4-Ethyltoluene	1.26	0.200	--	6.19	0.983	--		1
1,3,5-Trimethylbenzene	1.29	0.200	--	6.34	0.983	--		1
1,2,4-Trimethylbenzene	5.24	0.200	--	25.8	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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	90		60-140



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/10/22 15:14

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG1625613-4								
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: NYSDEC VIM STUDY

Lab Number: L2217738

Project Number: 00101

Report Date: 06/01/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/10/22 15:14

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG1625613-4								
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: NYSDEC VIM STUDY

Lab Number: L2217738

Project Number: 00101

Report Date: 06/01/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/10/22 15:14

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG1625613-4								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: NYSDEC VIM STUDY

Lab Number: L2217738

Project Number: 00101

Report Date: 06/01/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/10/22 15:52

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01,03,05-06 Batch: WG1625614-4								
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: NYSDEC VIM STUDY

Project Number: 00101

Lab Number: L2217738

Report Date: 06/01/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG1625613-3								
Dichlorodifluoromethane	104		-		70-130	-		
Chloromethane	94		-		70-130	-		
Freon-114	101		-		70-130	-		
Vinyl chloride	82		-		70-130	-		
1,3-Butadiene	93		-		70-130	-		
Bromomethane	90		-		70-130	-		
Chloroethane	82		-		70-130	-		
Ethanol	116		-		40-160	-		
Vinyl bromide	89		-		70-130	-		
Acetone	96		-		40-160	-		
Trichlorofluoromethane	103		-		70-130	-		
Isopropanol	90		-		40-160	-		
1,1-Dichloroethene	92		-		70-130	-		
Tertiary butyl Alcohol	82		-		70-130	-		
Methylene chloride	101		-		70-130	-		
3-Chloropropene	92		-		70-130	-		
Carbon disulfide	92		-		70-130	-		
Freon-113	98		-		70-130	-		
trans-1,2-Dichloroethene	84		-		70-130	-		
1,1-Dichloroethane	88		-		70-130	-		
Methyl tert butyl ether	93		-		70-130	-		
2-Butanone	86		-		70-130	-		
cis-1,2-Dichloroethene	91		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYSDEC VIM STUDY

Project Number: 00101

Lab Number: L2217738

Report Date: 06/01/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG1625613-3								
Ethyl Acetate	88		-		70-130	-		
Chloroform	107		-		70-130	-		
Tetrahydrofuran	82		-		70-130	-		
1,2-Dichloroethane	94		-		70-130	-		
n-Hexane	96		-		70-130	-		
1,1,1-Trichloroethane	110		-		70-130	-		
Benzene	99		-		70-130	-		
Carbon tetrachloride	119		-		70-130	-		
Cyclohexane	98		-		70-130	-		
1,2-Dichloropropane	94		-		70-130	-		
Bromodichloromethane	114		-		70-130	-		
1,4-Dioxane	103		-		70-130	-		
Trichloroethene	110		-		70-130	-		
2,2,4-Trimethylpentane	98		-		70-130	-		
Heptane	97		-		70-130	-		
cis-1,3-Dichloropropene	114		-		70-130	-		
4-Methyl-2-pentanone	99		-		70-130	-		
trans-1,3-Dichloropropene	100		-		70-130	-		
1,1,2-Trichloroethane	105		-		70-130	-		
Toluene	96		-		70-130	-		
2-Hexanone	95		-		70-130	-		
Dibromochloromethane	115		-		70-130	-		
1,2-Dibromoethane	110		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: NYSDEC VIM STUDY

Project Number: 00101

Lab Number: L2217738

Report Date: 06/01/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG1625613-3								
Tetrachloroethene	115		-		70-130	-		
Chlorobenzene	106		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	106		-		70-130	-		
Bromoform	118		-		70-130	-		
Styrene	103		-		70-130	-		
1,1,2,2-Tetrachloroethane	114		-		70-130	-		
o-Xylene	107		-		70-130	-		
4-Ethyltoluene	102		-		70-130	-		
1,3,5-Trimethylbenzene	113		-		70-130	-		
1,2,4-Trimethylbenzene	110		-		70-130	-		
Benzyl chloride	97		-		70-130	-		
1,3-Dichlorobenzene	114		-		70-130	-		
1,4-Dichlorobenzene	110		-		70-130	-		
1,2-Dichlorobenzene	112		-		70-130	-		
1,2,4-Trichlorobenzene	114		-		70-130	-		
Hexachlorobutadiene	119		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYSDEC VIM STUDY

Project Number: 00101

Lab Number: L2217738

Report Date: 06/01/22

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01,03,05-06 Batch: WG1625614-3								
Vinyl chloride	86		-		70-130	-		25
1,1-Dichloroethene	96		-		70-130	-		25
cis-1,2-Dichloroethene	94		-		70-130	-		25
1,1,1-Trichloroethane	119		-		70-130	-		25
Carbon tetrachloride	110		-		70-130	-		25
Trichloroethene	111		-		70-130	-		25
Tetrachloroethene	117		-		70-130	-		25

Project Name: NYSDEC VIM STUDY

Serial_No:06012215:51
Lab Number: L2217738

Project Number: 00101

Report Date: 06/01/22

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 Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2217738-01	OA-1 (032922)	0771	Flow 5	03/28/22	382387		-	-	-	Pass	4.5	1.2	116
L2217738-01	OA-1 (032922)	2300	2.7L Can	03/28/22	382387	L2214467-04	Pass	-28.9	-5.7	-	-	-	-
L2217738-02	SS-9(032922)	01661	Flow 4	03/28/22	382387		-	-	-	Pass	4.5	4.8	6
L2217738-02	SS-9(032922)	3198	2.7L Can	03/28/22	382387	L2214467-04	Pass	-28.2	-6.7	-	-	-	-
L2217738-03	IA-9(032922)	0095	Flow 5	03/28/22	382387		-	-	-	Pass	4.5	3.1	37
L2217738-03	IA-9(032922)	559	2.7L Can	03/28/22	382387	L2214467-04	Pass	-28.8	-8.4	-	-	-	-
L2217738-04	SS-10(032922)	01536	Flow 4	03/28/22	382387		-	-	-	Pass	4.5	0.0	200
L2217738-04	SS-10(032922)	133	2.7L Can	03/28/22	382387	L2214467-04	Pass	-28.9	-14.4	-	-	-	-
L2217738-05	IA-10 (032922)	01702	Flow 4	03/28/22	382387		-	-	-	Pass	4.5	4.7	4
L2217738-05	IA-10 (032922)	370	2.7L Can	03/28/22	382387	L2214467-04	Pass	-29.0	-4.8	-	-	-	-
L2217738-06	IA-7 (032922)	02225	Flow 4	03/28/22	382387		-	-	-	Pass	4.5	4.1	9
L2217738-06	IA-7 (032922)	2072	2.7L Can	03/28/22	382387	L2214467-04	Pass	-29.0	-9.2	-	-	-	-
L2217738-07	SS-7(032922)	0915	Flow 5	03/28/22	382387		-	-	-	Pass	4.5	4.6	2
L2217738-07	SS-7(032922)	145	2.7L Can	03/28/22	382387	L2214467-04	Pass	-29.0	-8.1	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2214467
Report Date: 06/01/22

Air Canister Certification Results

Lab ID: L2214467-04
Client ID: CAN 2074 SHELF 13
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/21/22 23:44
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2214467
Report Date: 06/01/22

Air Canister Certification Results

Lab ID: L2214467-04
Client ID: CAN 2074 SHELF 13
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/21/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2214467
Report Date: 06/01/22

Air Canister Certification Results

Lab ID: L2214467-04
Client ID: CAN 2074 SHELF 13
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/21/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2214467
Report Date: 06/01/22

Air Canister Certification Results

Lab ID: L2214467-04
Client ID: CAN 2074 SHELF 13
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/21/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2214467
Report Date: 06/01/22

Air Canister Certification Results

Lab ID: L2214467-04
 Client ID: CAN 2074 SHELF 13
 Sample Location:

Date Collected: 03/21/22 09:00
 Date Received: 03/21/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	95		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2214467
Report Date: 06/01/22

Air Canister Certification Results

Lab ID: L2214467-04
Client ID: CAN 2074 SHELF 13
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/21/22 23:44
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2214467
Report Date: 06/01/22

Air Canister Certification Results

Lab ID: L2214467-04
Client ID: CAN 2074 SHELF 13
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/21/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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:** L2214467**Project Number:** CANISTER QC BAT**Report Date:** 06/01/22**Air Canister Certification Results**

Lab ID: L2214467-04

Date Collected: 03/21/22 09:00

Client ID: CAN 2074 SHELF 13

Date Received: 03/21/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	94		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	93		60-140



Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22**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(*)
L2217738-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2217738-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2217738-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2217738-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2217738-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2217738-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2217738-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

Project Name: NYSDEC VIM STUDY**Lab Number:** L2217738**Project Number:** 00101**Report Date:** 06/01/22

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: NYSDEC VIM STUDY
Project Number: 00101

Lab Number: L2217738
Report Date: 06/01/22

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.

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'.

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.

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.)

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.
- 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

Report Format: Data Usability Report



Project Name: NYSDEC VIM STUDY
Project Number: 00101

Lab Number: L2217738
Report Date: 06/01/22

Data Qualifiers

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.)

Project Name: NYSDEC VIM STUDY
Project Number: 00101

Lab Number: L2217738
Report Date: 06/01/22

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**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.

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **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), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, 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



CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

PAGE 1 OF 1

Date Rec'd in Lab: 3/30/22

ALPHA Job #: L2217738

Client Information

Client: Env. Advantage Inc.
Address: 3636 N Buffalo Rd.
Orchard Park NY 14127
Phone: 716-667-3130
Fax: 716-667-3156

Email: mhanaf@envadvantage.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

Project Information

Project Name: NYSDEC VIM study
Project Location: 155 Schandler St. Buffalo NY
Project #: 0001
Project Manager: Mark Hanna + Maryszuska
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 #: 04101

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

ANALYSIS

☐

TO-15

TO-15 SIM

APH

Fixed Gases

Sulfides & Mercaptans by TO-15

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum												
17738-01	0A-1 (0329/22)	3/29/22	8:30am	4:30pm	-30.09"	-6.99"	AA	EB	2.7L	2300	0771	X						
02	SS-9 (0329/22)		8:40am	4:40pm	-29.38"	-7.75"	SV	EB	2.7L	3198	01661	X						0.0 ppm
03	IA-9 (0329/22)		8:45am	4:45pm	-30.08"	-8.60"	AA	EB	2.7L	559	0095	X						
04	SS-10 (0329/22)		8:50am	5:05pm	-29.40"	-15.30"	SV	EB	2.7L	133	01536	X						15 ppm
05	IA-10 (0329/22)		8:55am	4:55pm	-30.17"	-5.03"	AA	EB	2.7L	370	01702	X						
06	IA-7 (0329/22)		9:00am	5:00pm	-30.30"	-9.30"	AA	EB	2.7L	2072	02285X							
07	SS-7 (0329/22)		9:00am	5:00pm	-30.43"	-9.20"	SV	EB	2.7L	145	0915	X						1 ppm

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

CS

Relinquished By:

Date/Time

Received By:

Date/Time:

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.

APPENDIX E

DATA USABILITY SUMMARY REPORTS

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

155 Chandler St., Buffalo, NY
SDG#L2166417
March 3, 2022
Sampling date: 12/2/2021

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

155 Chandler St., Buffalo, NY
SDG# L2166417

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Advantage, project located at 155 Chandler St., Buffalo, NY, Alpha Analytical, SDG#L2166417 submitted to Vali-Data of WNY, LLC on April 16, 2021. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines (SOP NO. HW-31, revision 6). The laboratory performed the analysis using Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15 and TO-15-SIM, January 1999.

ID	Sample ID	Laboratory ID
1	IA-5 (120221)	L2166417-01
2	IA-4 (120221)	L2166417-02
3	IA-4 (120221) DUPLICATE	L2166417-03
4	IA-3 (120221)	L2166417-04
5	OA-1 (120221)	L2166417-05
6	IA-7 (120221)	L2166417-06
7	IA-8 (120221)	L2166417-07
8	IA-6 (120221)	L2166417-08
9	IA-1 (120221)	L2166417-09
10	IA-2 (120221)	L2166417-10

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check
- Canister Certification Blanks

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the

155 Chandler St., Buffalo, NY

SDG# L2166417

procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Holding Times and Canister Certification Blanks.

All results were recorded to the reporting limits.

Samples: 1-4, 6 and 7 were diluted due to high target analyte concentrations.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met except sample #8 arrived at the lab with 0 inches Hg pressure. All target analytes in this sample should be qualified as estimated.

INTERNAL STANDARD (IS)

All criteria were met.

METHOD BLANK

All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met except Chloroform was detected in IA-4 (120221) DUPLICATE but was not detected in IA-4 (120221).

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

All criteria were met.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

CANISTER CERTIFICATION BLANKS

All criteria were met except Tetrachloroethene was detected above the reporting limit in L2164399-01 can3244(SIM). This target analyte was not monitored in this analysis, so no further action is required.

Project Name: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: CY2021 SMP INDOOR AIR SAMPLING
Project Number: 01101

Lab Number: L2166417
Report Date: 12/17/21


Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on November 30, 2021. The canister certification results are provided as an addendum.

L2166417-01D through -04D, and -06D and -07D: The samples were re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

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: 

Report Date: 12/17/21

Title: Technical Director/Representative



Project Name: CY2021 SMP INDOOR AIR SAMPLING

Lab Number: L2166417

Project Number: 01101

Report Date: 12/17/21

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 Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2166417-08	IA-6 (120221)	2192	2.7L Can	11/30/21	371693	L2164399-01	Pass	-29.4	0.0	-	-	-	-
L2166417-09	IA-1 (120221)	01627	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.7	4
L2166417-09	IA-1 (120221)	3458	2.7L Can	11/30/21	371693	L2164399-01	Pass	-29.2	-7.5	-	-	-	-
L2166417-10	IA-2 (120221)	0059	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	3.0	40
L2166417-10	IA-2 (120221)	2239	2.7L Can	11/30/21	371693	L2163998-01	Pass	-29.3	-7.7	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2164399
Report Date: 12/17/21

Air Canister Certification Results

Lab ID: L2164399-01 Date Collected: 11/21/21 10:00
 Client ID: CAN 3244 SHELF 1 Date Received: 11/22/21
 Sample Location: Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM								
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	0.107	0.020	--	0.726	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	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-01
 Client ID : IA-5 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627890
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 16:50
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 19:03
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.503	0.200	--	2.49	0.989	--	
74-87-3	Chloromethane	0.573	0.200	--	1.18	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	75.8	5.00	--	143	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	133	1.00	--	316	2.38	--	
75-69-4	Trichlorofluoromethane	0.240	0.200	--	1.35	1.12	--	
67-63-0	Isopropanol	869	0.500	--	2140	1.23	--	E
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	0.603	0.500	--	2.09	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.568	0.500	--	1.68	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.470	0.200	--	1.66	0.705	--	
71-43-2	Benzene	0.273	0.200	--	0.872	0.639	--	



Results Summary Form 1 Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-01
 Client ID : IA-5 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627890
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 16:50
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 19:03
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.514	0.200	--	2.11	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.652	0.200	--	2.46	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.434	0.400	--	1.89	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc. Project Name : CY2021 SMP INDOOR AIR SAMPLING Lab ID : L2166417-01 Client ID : IA-5 (120221) Sample Location : 155 CHANDLER ST. BUFFALO, NY Sample Matrix : AIR Analytical Method : 48,TO-15 Lab File ID : R1627890 Sample Amount : 250 ml	Lab Number : L2166417 Project Number : 01101 Date Collected : 12/02/21 16:50 Date Received : 12/03/21 Date Analyzed : 12/15/21 19:03 Dilution Factor : 1 Analyst : RY Instrument ID : AIRLAB16 GC Column : RTX-1
--	---

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-01D
 Client ID : IA-5 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627907
 Sample Amount : 30.0 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 16:50
 Date Received : 12/03/21
 Date Analyzed : 12/16/21 06:29
 Dilution Factor : 8.333
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-63-0	Isopropanol	963	4.17	--	2370	10.3	--	



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-02
 Client ID : IA-4 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627891
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 16:55
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 19:42
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.527	0.200	--	2.61	0.989	--	
74-87-3	Chloromethane	0.553	0.200	--	1.14	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	53.3	5.00	--	100	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	82.1	1.00	--	195	2.38	--	
75-69-4	Trichlorofluoromethane	0.221	0.200	--	1.24	1.12	--	
67-63-0	Isopropanol	587	0.500	--	1440	1.23	--	E
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.265	0.200	--	0.934	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary Form 1 Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-02
 Client ID : IA-4 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627891
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 16:55
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 19:42
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.608	0.200	--	2.49	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.326	0.200	--	1.23	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-02
 Client ID : IA-4 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627891
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 16:55
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 19:42
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client	: Environmental Advantage, Inc.	Lab Number	: L2166417
Project Name	: CY2021 SMP INDOOR AIR SAMPLING	Project Number	: 01101
Lab ID	: L2166417-02D	Date Collected	: 12/02/21 16:55
Client ID	: IA-4 (120221)	Date Received	: 12/03/21
Sample Location	: 155 CHANDLER ST. BUFFALO, NY	Date Analyzed	: 12/16/21 07:05
Sample Matrix	: AIR	Dilution Factor	: 5
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1627908	Instrument ID	: AIRLAB16
Sample Amount	: 50.0 ml	GC Column	: RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-63-0	Isopropanol	701	2.50	--	1720	6.15	--	

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-03
 Client ID : IA-4 (120221) DUP.
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627892
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 16:55
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 20:21
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.552	0.200	--	2.73	0.989	--	
74-87-3	Chloromethane	0.584	0.200	--	1.21	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	51.1	5.00	--	96.3	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	81.5	1.00	--	194	2.38	--	
75-69-4	Trichlorofluoromethane	0.227	0.200	--	1.28	1.12	--	
67-63-0	Isopropanol	584	0.500	--	1440	1.23	--	E
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	1.16	0.200	--	5.66	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.257	0.200	--	0.906	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-03
 Client ID : IA-4 (120221) DUP.
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627892
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 16:55
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 20:21
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.659	0.200	--	2.70	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.321	0.200	--	1.21	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-03
 Client ID : IA-4 (120221) DUP.
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627892
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 16:55
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 20:21
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-03D
 Client ID : IA-4 (120221) DUP.
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627909
 Sample Amount : 50.0 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 16:55
 Date Received : 12/03/21
 Date Analyzed : 12/16/21 07:41
 Dilution Factor : 5
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-63-0	Isopropanol	704	2.50	--	1730	6.15	--	

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-04
 Client ID : IA-3 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627893
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:00
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 21:00
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.508	0.200	--	2.51	0.989	--	
74-87-3	Chloromethane	0.546	0.200	--	1.13	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	2640	5.00	--	4970	9.42	--	E
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	47.4	1.00	--	113	2.38	--	
75-69-4	Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--	
67-63-0	Isopropanol	264	0.500	--	649	1.23	--	E
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.455	0.200	--	1.42	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	38.8	0.500	--	140	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.214	0.200	--	0.754	0.705	--	
71-43-2	Benzene	0.266	0.200	--	0.850	0.639	--	



Results Summary Form 1 Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-04
 Client ID : IA-3 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627893
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:00
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 21:00
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.511	0.200	--	2.09	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.251	0.200	--	0.946	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.565	0.400	--	2.45	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.219	0.200	--	0.951	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-04
 Client ID : IA-3 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627893
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:00
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 21:00
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-04D
 Client ID : IA-3 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627910
 Sample Amount : 25.0 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:00
 Date Received : 12/03/21
 Date Analyzed : 12/16/21 08:17
 Dilution Factor : 10
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
64-17-5	Ethanol	2820	50.0	--	5310	94.2	--	
67-63-0	Isopropanol	235	5.00	--	578	12.3	--	

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-05
 Client ID : OA-1 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627894
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:05
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 21:39
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.542	0.200	--	2.68	0.989	--	
74-87-3	Chloromethane	0.553	0.200	--	1.14	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	7.30	5.00	--	13.8	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	3.28	1.00	--	7.79	2.38	--	
75-69-4	Trichlorofluoromethane	0.239	0.200	--	1.34	1.12	--	
67-63-0	Isopropanol	2.70	0.500	--	6.64	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	1.22	0.500	--	4.24	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.436	0.200	--	1.54	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary Form 1 Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-05
 Client ID : OA-1 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627894
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:05
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 21:39
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.388	0.200	--	1.46	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-05
 Client ID : OA-1 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627894
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:05
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 21:39
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-06
 Client ID : IA-7 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627895
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:10
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 22:17
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.534	0.200	--	2.64	0.989	--	
74-87-3	Chloromethane	0.641	0.200	--	1.32	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	464	5.00	--	874	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	64.0	1.00	--	152	2.38	--	
75-69-4	Trichlorofluoromethane	0.257	0.200	--	1.44	1.12	--	
67-63-0	Isopropanol	342	0.500	--	841	1.23	--	E
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	1.07	0.500	--	3.72	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	0.841	0.500	--	3.03	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	1.60	0.200	--	5.64	0.705	--	
71-43-2	Benzene	0.421	0.200	--	1.34	0.639	--	



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-06
 Client ID : IA-7 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627895
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:10
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 22:17
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	0.430	0.200	--	1.48	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	0.308	0.200	--	1.44	0.934	--	
142-82-5	Heptane	1.22	0.200	--	5.00	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	2.86	0.200	--	10.8	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.289	0.200	--	1.26	0.869	--	
179601-23-1	p/m-Xylene	1.16	0.400	--	5.04	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.399	0.200	--	1.73	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.218	0.200	--	1.07	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-06
 Client ID : IA-7 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627895
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:10
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 22:17
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client	: Environmental Advantage, Inc.	Lab Number	: L2166417
Project Name	: CY2021 SMP INDOOR AIR SAMPLING	Project Number	: 01101
Lab ID	: L2166417-06D	Date Collected	: 12/02/21 17:10
Client ID	: IA-7 (120221)	Date Received	: 12/03/21
Sample Location	: 155 CHANDLER ST. BUFFALO, NY	Date Analyzed	: 12/16/21 08:53
Sample Matrix	: AIR	Dilution Factor	: 3.333
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1627911	Instrument ID	: AIRLAB16
Sample Amount	: 75.0 ml	GC Column	: RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-63-0	Isopropanol	367	1.67	--	902	4.10	--	

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-07
 Client ID : IA-8 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627896
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:12
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 22:56
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.548	0.200	--	2.71	0.989	--	
74-87-3	Chloromethane	0.602	0.200	--	1.24	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	435	5.00	--	820	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	51.9	1.00	--	123	2.38	--	
75-69-4	Trichlorofluoromethane	0.244	0.200	--	1.37	1.12	--	
67-63-0	Isopropanol	320	0.500	--	787	1.23	--	E
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	0.731	0.500	--	2.63	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	1.66	0.200	--	5.85	0.705	--	
71-43-2	Benzene	0.441	0.200	--	1.41	0.639	--	

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-07
 Client ID : IA-8 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627896
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:12
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 22:56
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	0.455	0.200	--	1.57	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	0.315	0.200	--	1.47	0.934	--	
142-82-5	Heptane	0.665	0.200	--	2.73	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	1.99	0.200	--	7.50	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.265	0.200	--	1.15	0.869	--	
179601-23-1	p/m-Xylene	1.06	0.400	--	4.60	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.368	0.200	--	1.60	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-07
 Client ID : IA-8 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627896
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:12
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 22:56
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client	: Environmental Advantage, Inc.	Lab Number	: L2166417
Project Name	: CY2021 SMP INDOOR AIR SAMPLING	Project Number	: 01101
Lab ID	: L2166417-07D	Date Collected	: 12/02/21 17:12
Client ID	: IA-8 (120221)	Date Received	: 12/03/21
Sample Location	: 155 CHANDLER ST. BUFFALO, NY	Date Analyzed	: 12/16/21 09:30
Sample Matrix	: AIR	Dilution Factor	: 3.333
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1627912	Instrument ID	: AIRLAB16
Sample Amount	: 75.0 ml	GC Column	: RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-63-0	Isopropanol	298	1.67	--	733	4.10	--	

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-08
 Client ID : IA-6 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627897
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:15
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 23:35
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.512	0.200	--	2.53	0.989	--	
74-87-3	Chloromethane	0.540	0.200	--	1.12	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	62.2	5.00	--	117	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	8.46	1.00	--	20.1	2.38	--	
75-69-4	Trichlorofluoromethane	0.227	0.200	--	1.28	1.12	--	
67-63-0	Isopropanol	32.6	0.500	--	80.1	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.272	0.200	--	0.959	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Results Summary Form 1 Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-08
 Client ID : IA-6 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627897
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:15
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 23:35
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.335	0.200	--	1.26	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-08
 Client ID : IA-6 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627897
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:15
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 23:35
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-09
 Client ID : IA-1 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627898
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:17
 Date Received : 12/03/21
 Date Analyzed : 12/16/21 00:14
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.562	0.200	--	2.78	0.989	--	
74-87-3	Chloromethane	0.563	0.200	--	1.16	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	93.3	5.00	--	176	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	6.63	1.00	--	15.7	2.38	--	
75-69-4	Trichlorofluoromethane	0.237	0.200	--	1.33	1.12	--	
67-63-0	Isopropanol	8.35	0.500	--	20.5	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-09
 Client ID : IA-1 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627898
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:17
 Date Received : 12/03/21
 Date Analyzed : 12/16/21 00:14
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc. Project Name : CY2021 SMP INDOOR AIR SAMPLING Lab ID : L2166417-09 Client ID : IA-1 (120221) Sample Location : 155 CHANDLER ST. BUFFALO, NY Sample Matrix : AIR Analytical Method : 48,TO-15 Lab File ID : R1627898 Sample Amount : 250 ml	Lab Number : L2166417 Project Number : 01101 Date Collected : 12/02/21 17:17 Date Received : 12/03/21 Date Analyzed : 12/16/21 00:14 Dilution Factor : 1 Analyst : RY Instrument ID : AIRLAB16 GC Column : RTX-1
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CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-10
 Client ID : IA-2 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627899
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:20
 Date Received : 12/03/21
 Date Analyzed : 12/16/21 00:53
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.570	0.200	--	2.82	0.989	--	
74-87-3	Chloromethane	0.551	0.200	--	1.14	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	105	5.00	--	198	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	7.43	1.00	--	17.6	2.38	--	
75-69-4	Trichlorofluoromethane	0.237	0.200	--	1.33	1.12	--	
67-63-0	Isopropanol	13.0	0.500	--	32.0	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	1.11	0.500	--	3.27	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-10
 Client ID : IA-2 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627899
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:20
 Date Received : 12/03/21
 Date Analyzed : 12/16/21 00:53
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.284	0.200	--	1.07	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.509	0.400	--	2.21	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.217	0.200	--	0.943	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-10
 Client ID : IA-2 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627899
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:20
 Date Received : 12/03/21
 Date Analyzed : 12/16/21 00:53
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : WG1583859-4
 Client ID : WG1583859-4BLANK
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627888
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 12/15/21 16:30
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--	U
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	ND	1.00	--	ND	2.38	--	U
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	ND	0.500	--	ND	1.23	--	U
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : WG1583859-4
 Client ID : WG1583859-4BLANK
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627888
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 12/15/21 16:30
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : WG1583859-4
 Client ID : WG1583859-4BLANK
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1627888
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 12/15/21 16:30
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-01
 Client ID : IA-5 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1627890_EV2
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 16:50
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 19:03
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	0.067	0.020	--	0.266	0.079	--	
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.094	0.020	--	0.591	0.126	--	
79-01-6	Trichloroethene	0.094	0.020	--	0.505	0.107	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-02
 Client ID : IA-4 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1627891_EV2
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 16:55
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 19:42
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.075	0.020	--	0.472	0.126	--	
79-01-6	Trichloroethene	0.030	0.020	--	0.161	0.107	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-03
 Client ID : IA-4 (120221) DUP.
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1627892_EV2
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 16:55
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 20:21
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--	
79-01-6	Trichloroethene	0.030	0.020	--	0.161	0.107	--	



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-04
 Client ID : IA-3 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1627893_EV2
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:00
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 21:00
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--	
79-01-6	Trichloroethene	0.022	0.020	--	0.118	0.107	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-05
 Client ID : OA-1 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1627894_EV2
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:05
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 21:39
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--	
79-01-6	Trichloroethene	0.023	0.020	--	0.124	0.107	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-06
 Client ID : IA-7 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1627895_EV2
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:10
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 22:17
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	0.104	0.020	--	0.412	0.079	--	
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.160	0.020	--	1.01	0.126	--	
79-01-6	Trichloroethene	3.26	0.020	--	17.5	0.107	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-07
 Client ID : IA-8 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1627896_EV2
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:12
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 22:56
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	0.093	0.020	--	0.369	0.079	--	
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.143	0.020	--	0.900	0.126	--	
79-01-6	Trichloroethene	3.35	0.020	--	18.0	0.107	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-08
 Client ID : IA-6 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1627897_EV2
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:15
 Date Received : 12/03/21
 Date Analyzed : 12/15/21 23:35
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--	
79-01-6	Trichloroethene	0.321	0.020	--	1.73	0.107	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-09
 Client ID : IA-1 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1627898_EV2
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:17
 Date Received : 12/03/21
 Date Analyzed : 12/16/21 00:14
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.092	0.020	--	0.579	0.126	--	
79-01-6	Trichloroethene	0.181	0.020	--	0.973	0.107	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : L2166417-10
 Client ID : IA-2 (120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1627899_EV2
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : 12/02/21 17:20
 Date Received : 12/03/21
 Date Analyzed : 12/16/21 00:53
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.088	0.020	--	0.554	0.126	--	
79-01-6	Trichloroethene	0.161	0.020	--	0.865	0.107	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY2021 SMP INDOOR AIR SAMPLING
 Lab ID : WG1583860-4
 Client ID : WG1583860-4BLANK
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1627889_EV2
 Sample Amount : 250 ml

Lab Number : L2166417
 Project Number : 01101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 12/15/21 17:09
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	ND	0.020	--	ND	0.126	--	U
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

155 Chandler St., Buffalo, NY
Alpha Analytical SDG#L2166429
March 2, 2022
Sampling date: 12/2/2021

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

155 Chandler St., Buffalo, NY
SDG# L2166429

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Advantage, project located at 155 Chandler St., Buffalo, NY, Alpha Analytical #L2166429 submitted to Vali-Data of WNY, LLC on January 10, 2022. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using USEPA method Volatile Organics (8260C).

ID	Sample ID	Laboratory ID
1	MW-3(120221)	L2166429-01
2	MW-3(120221) DUPLICATE	L2166429-02
3	TRIP BLANK (120221)	L2166429-03
4	RINSATE BLANK (120221)	L2166429-04

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD, Compound Quantitation, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of Cyclohexane was outside QC limits, high in WG1582628-3,-4 and should be qualified as estimated. This target analyte was not detected in the samples so no further action is required.

MS/MSD

All criteria were met except the %Rec of Chloromethane, 2-Butanone and Cyclohexane was outside QC limits, high in MW-3(120221)MS/MSD and should be qualified as estimated. These target analytes were not detected in the associated samples, so no further action is required.

COMPOUND QUANTITATION

All criteria were met except Acetone was detected above the MDL, below the reporting limit and is qualified as estimated in RINSATE BLANK(120221). This target analyte was not detected in the associated samples, so no further action is required.

INITIAL CALIBRATION

All criteria were met except the RRF of 1,4-Dioxane and 1,1,2-Trichloroethane was outside QC limits in the initial calibration and WG1487567-9. These target analytes should be qualified as estimated in the blanks, spikes and samples.

CONTINUING CALIBRATION

All criteria were met except the RRF of 1,4-Dioxane and 1,1,2-Trichloroethane was outside QC limits in WG1582628-2. The %D of Chloroethane, Chloromethane, Vinyl chloride, 1,1-Dichloroethane and Cyclohexane was outside QC limits in WG1582628-2. These target analytes should be qualified as estimated in the blanks, spikes and samples.

Several target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

GC/MS PERFORMANCE CHECK

All criteria were met.

Project Name: CY2021 ANNUAL GW SAMPLING
Project Number: 01101

Lab Number: L2166429
Report Date: 12/17/21

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: CY2021 ANNUAL GW SAMPLING
Project Number: 01101

Lab Number: L2166429
Report Date: 12/17/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

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:  Kelly Stenstrom

Report Date: 12/17/21

Title: Technical Director/Representative

Laboratory Control Sample Summary

Form 3

Volatiles

Client : Environmental Advantage, Inc. Lab Number : L2166429
 Project Name : CY2021 ANNUAL GW SAMPLING Project Number : 01101
 Matrix : WATER
 LCS Sample ID : WG1582628-3 Analysis Date : 12/12/21 08:46 File ID : V05211212A01
 LCSD Sample ID : WG1582628-4 Analysis Date : 12/12/21 09:09 File ID : V05211212A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Trichloroethene	10	10	100	10	10	100	0	70-130	20
1,2-Dichlorobenzene	10	9.6	96	10	9.8	98	2	70-130	20
1,3-Dichlorobenzene	10	9.8	98	10	10	100	2	70-130	20
1,4-Dichlorobenzene	10	9.8	98	10	10	100	2	70-130	20
Methyl tert butyl ether	10	8.4	84	10	8.8	88	5	63-130	20
p/m-Xylene	20	21	105	20	21	105	0	70-130	20
o-Xylene	20	20	100	20	21	105	5	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20
Styrene	20	20	100	20	21	105	5	70-130	20
Dichlorodifluoromethane	10	10	100	10	10	100	0	36-147	20
Acetone	10	9.0	90	10	9.2	92	2	58-148	20
Carbon disulfide	10	12	120	10	12	120	0	51-130	20
2-Butanone	10	9.1	91	10	9.6	96	5	63-138	20
4-Methyl-2-pentanone	10	7.7	77	10	8.4	84	9	59-130	20
2-Hexanone	10	8.2	82	10	8.9	89	8	57-130	20
Bromochloromethane	10	10	100	10	11	110	10	70-130	20
1,2-Dibromoethane	10	8.5	85	10	8.8	88	3	70-130	20
1,2-Dibromo-3-chloropropane	10	7.2	72	10	7.5	75	4	41-144	20
Isopropylbenzene	10	10	100	10	10	100	0	70-130	20
1,2,3-Trichlorobenzene	10	8.0	80	10	8.5	85	6	70-130	20
1,2,4-Trichlorobenzene	10	8.4	84	10	8.7	87	4	70-130	20
Methyl Acetate	10	9.5	95	10	9.9	99	4	70-130	20
Cyclohexane	10	14	140 Q	10	14	140 Q	0	70-130	20
1,4-Dioxane	500	510	102	500	470	94	8	56-162	20
Freon-113	10	12	120	10	12	120	0	70-130	20
Methyl cyclohexane	10	10	100	10	10	100	0	70-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Client Sample ID : MW-3(120221)
 Lab Sample ID : L2166429-01
 Matrix Spike : WG1582628-6
 Matrix Spike Dup : WG1582628-7

Lab Number : L2166429
 Project Number : 01101
 Matrix : WATER
 Analysis Date : 12/12/21 18:01
 MS Analysis Date : 12/12/21 18:24
 MSD Analysis Date : 12/12/21 18:47

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Methylene chloride	ND	10	12	120	10	11	110	9	70-130	20
1,1-Dichloroethane	ND	10	14	140 Q	10	13	130	7	70-130	20
Chloroform	ND	10	12	120	10	11	110	9	70-130	20
Carbon tetrachloride	ND	10	11	110	10	10	100	10	63-132	20
1,2-Dichloropropane	ND	10	13	130	10	13	130	0	70-130	20
Dibromochloromethane	ND	10	11	110	10	11	110	0	63-130	20
1,1,2-Trichloroethane	ND	10	12	120	10	11	110	9	70-130	20
Tetrachloroethene	ND	10	12	120	10	11	110	9	70-130	20
Chlorobenzene	ND	10	12	120	10	12	120	0	75-130	20
Trichlorofluoromethane	ND	10	13	130	10	12	120	8	62-150	20
1,2-Dichloroethane	ND	10	13	130	10	13	130	0	70-130	20
1,1,1-Trichloroethane	ND	10	11	110	10	11	110	0	67-130	20
Bromodichloromethane	ND	10	11	110	10	11	110	0	67-130	20
trans-1,3-Dichloropropene	ND	10	10	100	10	9.8	98	2	70-130	20
cis-1,3-Dichloropropene	ND	10	10	100	10	10	100	0	70-130	20
Bromoform	ND	10	10	100	10	10	100	0	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	12	120	10	12	120	0	67-130	20
Benzene	ND	10	12	120	10	12	120	0	70-130	20
Toluene	ND	10	12	120	10	12	120	0	70-130	20
Ethylbenzene	ND	10	12	120	10	12	120	0	70-130	20
Chloromethane	ND	10	15	150 Q	10	15	150 Q	0	64-130	20
Bromomethane	ND	10	8.4	84	10	8.3	83	1	39-139	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Client Sample ID : MW-3(120221)
 Lab Sample ID : L2166429-01
 Matrix Spike : WG1582628-6
 Matrix Spike Dup : WG1582628-7

Lab Number : L2166429
 Project Number : 01101
 Matrix : WATER
 Analysis Date : 12/12/21 18:01
 MS Analysis Date : 12/12/21 18:24
 MSD Analysis Date : 12/12/21 18:47

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Vinyl chloride	ND	10	15	150 Q	10	14	140	7	55-140	20
Chloroethane	ND	10	14	140 Q	10	13	130	7	55-138	20
1,1-Dichloroethene	ND	10	13	130	10	13	130	0	61-145	20
trans-1,2-Dichloroethene	ND	10	12	120	10	12	120	0	70-130	20
Trichloroethene	ND	10	12	120	10	11	110	9	70-130	20
1,2-Dichlorobenzene	ND	10	11	110	10	11	110	0	70-130	20
1,3-Dichlorobenzene	ND	10	11	110	10	11	110	0	70-130	20
1,4-Dichlorobenzene	ND	10	11	110	10	11	110	0	70-130	20
Methyl tert butyl ether	ND	10	11	110	10	11	110	0	63-130	20
p/m-Xylene	ND	20	24	120	20	23	115	4	70-130	20
o-Xylene	ND	20	24	120	20	23	115	4	70-130	20
cis-1,2-Dichloroethene	ND	10	12	120	10	11	110	9	70-130	20
Styrene	ND	20	24	120	20	23	115	4	70-130	20
Dichlorodifluoromethane	ND	10	11	110	10	10	100	10	36-147	20
Acetone	ND	10	13	130	10	13	130	0	58-148	20
Carbon disulfide	ND	10	13	130	10	12	120	8	51-130	20
2-Butanone	ND	10	14	140 Q	10	14	140 Q	0	63-138	20
4-Methyl-2-pentanone	ND	10	12	120	10	12	120	0	59-130	20
2-Hexanone	ND	10	13	130	10	13	130	0	57-130	20
Bromochloromethane	ND	10	12	120	10	12	120	0	70-130	20
1,2-Dibromoethane	ND	10	11	110	10	11	110	0	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	10	100	10	11	110	10	41-144	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Client Sample ID : MW-3(120221)
 Lab Sample ID : L2166429-01
 Matrix Spike : WG1582628-6
 Matrix Spike Dup : WG1582628-7

Lab Number : L2166429
 Project Number : 01101
 Matrix : WATER
 Analysis Date : 12/12/21 18:01
 MS Analysis Date : 12/12/21 18:24
 MSD Analysis Date : 12/12/21 18:47

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Isopropylbenzene	ND	10	12	120	10	11	110	9	70-130	20
1,2,3-Trichlorobenzene	ND	10	10	100	10	11	110	10	70-130	20
1,2,4-Trichlorobenzene	ND	10	10	100	10	10	100	0	70-130	20
Methyl Acetate	ND	10	14	140 Q	10	13	130	7	70-130	20
Cyclohexane	ND	10	15	150 Q	10	15	150 Q	0	70-130	20
1,4-Dioxane	ND	500	660	132	500	700	140	6	56-162	20
Freon-113	ND	10	12	120	10	12	120	0	70-130	20
Methyl cyclohexane	ND	10	11	110	10	10	100	10	70-130	20

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Lab ID : L2166429-01
 Client ID : MW-3(120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V05211212A25
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2166429
 Project Number : 01101
 Date Collected : 12/02/21 11:20
 Date Received : 12/03/21
 Date Analyzed : 12/12/21 18:01
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Lab ID : L2166429-01
 Client ID : MW-3(120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V05211212A25
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2166429
 Project Number : 01101
 Date Collected : 12/02/21 11:20
 Date Received : 12/03/21
 Date Analyzed : 12/12/21 18:01
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2166429
Project Name	: CY2021 ANNUAL GW SAMPLING	Project Number	: 01101
Lab ID	: L2166429-01	Date Collected	: 12/02/21 11:20
Client ID	: MW-3(120221)	Date Received	: 12/03/21
Sample Location	: 155 CHANDLER ST. BUFFALO, NY	Date Analyzed	: 12/12/21 18:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V05211212A25	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Lab ID : L2166429-02
 Client ID : MW-3(120221) DUPLICATE
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V05211212A24
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2166429
 Project Number : 01101
 Date Collected : 12/02/21 11:20
 Date Received : 12/03/21
 Date Analyzed : 12/12/21 17:38
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Lab ID : L2166429-02
 Client ID : MW-3(120221) DUPLICATE
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V05211212A24
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2166429
 Project Number : 01101
 Date Collected : 12/02/21 11:20
 Date Received : 12/03/21
 Date Analyzed : 12/12/21 17:38
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2166429
Project Name	: CY2021 ANNUAL GW SAMPLING	Project Number	: 01101
Lab ID	: L2166429-02	Date Collected	: 12/02/21 11:20
Client ID	: MW-3(120221) DUPLICATE	Date Received	: 12/03/21
Sample Location	: 155 CHANDLER ST. BUFFALO, NY	Date Analyzed	: 12/12/21 17:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V05211212A24	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Lab ID : L2166429-03
 Client ID : TRIP BLANK(120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V05211212A23
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2166429
 Project Number : 01101
 Date Collected : 12/02/21 11:50
 Date Received : 12/03/21
 Date Analyzed : 12/12/21 17:14
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Lab ID : L2166429-03
 Client ID : TRIP BLANK(120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V05211212A23
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2166429
 Project Number : 01101
 Date Collected : 12/02/21 11:50
 Date Received : 12/03/21
 Date Analyzed : 12/12/21 17:14
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2166429
Project Name	: CY2021 ANNUAL GW SAMPLING	Project Number	: 01101
Lab ID	: L2166429-03	Date Collected	: 12/02/21 11:50
Client ID	: TRIP BLANK(120221)	Date Received	: 12/03/21
Sample Location	: 155 CHANDLER ST. BUFFALO, NY	Date Analyzed	: 12/12/21 17:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V05211212A23	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Lab ID : L2166429-04
 Client ID : RINSATE BLANK(120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V05211212A22
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2166429
 Project Number : 01101
 Date Collected : 12/02/21 12:00
 Date Received : 12/03/21
 Date Analyzed : 12/12/21 16:51
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Lab ID : L2166429-04
 Client ID : RINSATE BLANK(120221)
 Sample Location : 155 CHANDLER ST. BUFFALO, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V05211212A22
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2166429
 Project Number : 01101
 Date Collected : 12/02/21 12:00
 Date Received : 12/03/21
 Date Analyzed : 12/12/21 16:51
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	2.0	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2166429
Project Name	: CY2021 ANNUAL GW SAMPLING	Project Number	: 01101
Lab ID	: L2166429-04	Date Collected	: 12/02/21 12:00
Client ID	: RINSATE BLANK(120221)	Date Received	: 12/03/21
Sample Location	: 155 CHANDLER ST. BUFFALO, NY	Date Analyzed	: 12/12/21 16:51
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V05211212A22	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Lab ID : WG1582628-5
 Client ID : WG1582628-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V05211212A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2166429
 Project Number : 01101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 12/12/21 10:18
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Lab ID : WG1582628-5
 Client ID : WG1582628-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V05211212A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2166429
 Project Number : 01101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 12/12/21 10:18
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Lab ID : WG1582628-5
 Client ID : WG1582628-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V05211212A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2166429
 Project Number : 01101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 12/12/21 10:18
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Initial Calibration Summary

Form 6

Volatiles

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Instrument ID : VOA105
 Calibration dates : 10/07/21 19:35 10/07/21 23:04

Lab Number : L2166429
 Project Number : 01101
 Ical Ref : ICAL18369

Calibration Files

L11 =V05211007N04.d L1 =V05211007N06.d L2 =V05211007N08.d L3 =V05211007N09.d L4 =V05211007N10.d
 L6 =V05211007N11.d L8 =V05211007N12.d L10 =V05211007N13.d

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP 1,1-Dichloropr		0.260	0.303	0.319	0.334	0.330	0.322	0.312	0.311	8.04
41) TP Benzene	0.893	0.786	0.890	0.897	0.917	0.900	0.879	0.848	0.876	4.73
42) TP Tertiary-Amyl Methyl Ether		0.479	0.489	0.484	0.500	0.509	0.502	0.493	0.494	2.12
43) S 1,2-Dichloroethane-d4	0.324	0.319	0.318	0.322	0.297	0.298	0.302	0.315	0.312	3.49
44) TP 1,2-Dichloroet		0.310	0.324	0.314	0.313	0.307	0.303	0.296	0.310	2.84
47) TP Methyl cyclohe		0.406	0.422	0.410	0.434	0.438	0.421	0.405	0.419	3.18
48) TP Trichloroethene	0.286	0.180	0.222	0.244	0.250	0.247	0.241	0.233	0.238	12.43
50) TP Dibromomethane		0.133	0.135	0.125	0.125	0.125	0.123	0.122	0.127	4.05
51) TC 1,2-Dichloropr		0.217	0.244	0.252	0.257	0.255	0.252	0.246	0.246	5.62
53) TP 2-Chloroethyl		0.101	0.107	0.113	0.114	0.114	0.112	0.109	0.110	4.49
54) TP Bromodichlorom		0.371	0.326	0.318	0.311	0.309	0.306	0.300	0.320	7.44
57) TP 1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	6.15
58) TP cis-1,3-Dichloropropene		0.317	0.351	0.356	0.371	0.368	0.365	0.357	0.355	5.14
59) I Chlorobenzene-d5	-----ISTD-----									
60) S Toluene-d8	1.224	1.210	1.235	1.250	1.245	1.239	1.235	1.244	1.235	1.04
61) TC Toluene		0.660	0.724	0.730	0.754	0.734	0.721	0.697	0.717	4.25
62) TP 4-Methyl-2-pen		0.081	0.076	0.076	0.072	0.073	0.071	0.067	0.073#	5.92
63) TP Tetrachloroethene		0.276	0.331	0.345	0.357	0.351	0.342	0.328	0.333	8.18
65) TP trans-1,3-Dichloropropene		0.330	0.362	0.382	0.408	0.405	0.401	0.390	0.383	7.31
67) TP Ethyl methacry		0.241	0.279	0.271	0.267	0.261	0.255	0.245	0.260	5.36
68) TP 1,1,2-Trichlor		0.225	0.183	0.176	0.178	0.175	0.173	0.169	0.183	10.47
69) TP Chlorodibromom		0.237	0.263	0.270	0.284	0.284	0.284	0.280	0.272	6.43
70) TP 1,3-Dichloropr		0.330	0.392	0.402	0.412	0.409	0.404	0.395	0.392	7.20
71) TP 1,2-Dibromoethane		0.207	0.236	0.235	0.245	0.240	0.236	0.230	0.233	5.31
72) TP 2-Hexanone		0.124	0.123	0.129	0.129	0.126	0.122	0.116	0.124	3.62
73) TP Chlorobenzene		0.742	0.794	0.801	0.816	0.793	0.785	0.760	0.785	3.21
74) TC Ethylbenzene		1.404	1.458	1.455	1.490	1.441	1.402	1.330	1.426	3.67
75) TP 1,1,1,2-Tetrac		0.267	0.296	0.296	0.310	0.308	0.304	0.299	0.297	4.90
76) TP p/m Xylene		0.505	0.573	0.574	0.584	0.560	0.547	0.516	0.551	5.53
77) TP o Xylene		0.474	0.543	0.547	0.553	0.531	0.520	0.491	0.523	5.72
78) TP Styrene		0.802	0.889	0.902	0.925	0.883	0.857	0.783	0.863	6.09
79) I 1,4-Dichlorobenzene-d4	-----ISTD-----									
80) TP Bromoform		0.258	0.274	0.285	0.299	0.305	0.307	0.306	0.291	6.51
82) TP Isopropylbenzene		2.404	2.689	2.689	2.766	2.684	2.617	2.481	2.619	4.95
83) S 4-Bromofluorobenzene	0.928	0.916	0.922	0.920	0.902	0.889	0.887	0.900	0.908	1.73
84) TP Bromobenzene		0.561	0.610	0.612	0.624	0.609	0.612	0.596	0.603	3.42



Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2021\211007NICAL\
 Data File : V05211007N18.d
 Acq On : 8 Oct 2021 12:59 am
 Operator : VOA105:PD
 Sample : C8260STD10PPB
 Misc : WG1556175,ICAL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 11:28:40 2021
 Quant Method : I:\VOLATILES\VOA105\2021\211007NICAL\V105_211007N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Oct 08 11:24:02 2021
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43 S	1,2-Dichloroethane-d4	0.312	0.322	-3.2	101	0.00
44 TP	1,2-Dichloroethane	0.310	0.307	1.0	98	0.00
47 TP	Methyl cyclohexane	0.419	0.330	21.2#	81	0.00
48 TP	Trichloroethene	0.238	0.242	-1.7	99	0.00
50 TP	Dibromomethane	0.127	0.117	7.9	94	0.00
51 TC	1,2-Dichloropropane	0.246	0.244	0.8	97	0.00
53 TP	2-Chloroethyl vinyl ether	0.110	0.115	-4.5	102	0.00
54 TP	Bromodichloromethane	0.320	0.304	5.0	96	0.00
57 TP	1,4-Dioxane	0.00085	0.00105#	-23.5#	123	0.00
58 TP	cis-1,3-Dichloropropene	0.355	0.347	2.3	98	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
60 S	Toluene-d8	1.235	1.245	-0.8	101	0.00
61 TC	Toluene	0.717	0.708	1.3	98	0.00
62 TP	4-Methyl-2-pentanone	0.073	0.064#	12.3	86	0.00
63 TP	Tetrachloroethene	0.333	0.333	0.0	97	0.00
65 TP	trans-1,3-Dichloropropene	0.383	0.363	5.2	96	0.00
67 TP	Ethyl methacrylate	0.260	0.242	6.9	90	0.00
68 TP	1,1,2-Trichloroethane	0.183	0.162	11.5	93	0.00
69 TP	Chlorodibromomethane	0.272	0.255	6.3	96	0.00
70 TP	1,3-Dichloropropane	0.392	0.368	6.1	93	0.00
71 TP	1,2-Dibromoethane	0.233	0.218	6.4	94	0.00
72 TP	2-Hexanone	0.124	0.118	4.8	92	0.00
73 TP	Chlorobenzene	0.785	0.795	-1.3	100	0.00
74 TC	Ethylbenzene	1.426	1.404	1.5	98	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.297	0.280	5.7	95	0.00
76 TP	p/m Xylene	0.551	0.559	-1.5	99	0.00
77 TP	o Xylene	0.523	0.532	-1.7	98	0.00
78 TP	Styrene	0.863	0.876	-1.5	98	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	-0.01
80 TP	Bromoform	0.291	0.269	7.6	96	0.00
82 TP	Isopropylbenzene	2.619	2.608	0.4	98	0.00
83 S	4-Bromofluorobenzene	0.908	0.898	1.1	99	0.00
84 TP	Bromobenzene	0.603	0.596	1.2	99	0.00
85 TP	n-Propylbenzene	3.104	3.119	-0.5	99	0.00
86 TP	1,4-Dichlorobutane	0.772	0.736	4.7	98	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.432	0.372	13.9	94	0.00
88 TP	4-Ethyltoluene	2.590	2.534	2.2	96	0.00

Calibration Verification Summary

Form 7

Volatiles

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Instrument ID : VOA105
 Lab File ID : V05211212A01
 Sample No : WG1582628-2
 Channel :

Lab Number : L2166429
 Project Number : 01101
 Calibration Date : 12/12/21 08:46
 Init. Calib. Date(s) : 10/07/21 10/07/21
 Init. Calib. Times : 19:35 23:04

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	93	0
Dichlorodifluoromethane	0.271	0.277	-	-2.2	20	94	0
Chloromethane	0.35	0.464	-	-32.6*	20	123	0
Vinyl chloride	0.286	0.382	-	-33.6*	20	117	0
Bromomethane	0.141	0.103	-	27*	20	76	0
Chloroethane	0.165	0.209	-	-26.7*	20	114	0
Trichlorofluoromethane	0.341	0.4	-	-17.3	20	105	0
Ethyl ether	0.089	0.095	-	-6.7	20	101	-.01
1,1-Dichloroethene	0.204	0.242	-	-18.6	20	105	0
Carbon disulfide	0.593	0.702	-	-18.4	20	107	0
Freon-113	0.215	0.25	-	-16.3	20	103	0
Acrolein	0.026	0.027	-	-3.8	20	98	0
Methylene chloride	0.24	0.255	-	-6.3	20	100	0
Acetone	0.043	0.039	-	9.3	20	82	0
trans-1,2-Dichloroethene	0.234	0.255	-	-9	20	99	0
Methyl acetate	0.109	0.103	-	5.5	20	95	0
Methyl tert-butyl ether	0.449	0.378	-	15.8	20	77	0
tert-Butyl alcohol	0.01081	0.00738*	-	31.7*	20	62	-.01
Diisopropyl ether	0.799	0.863	-	-8	20	101	0
1,1-Dichloroethane	0.469	0.576	-	-22.8*	20	109	0
Halothane	0.18	0.192	-	-6.7	20	95	0
Acrylonitrile	0.058	0.063	-	-8.6	20	98	0
Ethyl tert-butyl ether	0.67	0.573	-	14.5	20	80	0
Vinyl acetate	0.482	0.422	-	12.4	20	94	0
cis-1,2-Dichloroethene	0.263	0.278	-	-5.7	20	98	0
2,2-Dichloropropane	0.376	0.366	-	2.7	20	90	-.01
Bromochloromethane	0.114	0.12	-	-5.3	20	95	0
Cyclohexane	0.482	0.653	-	-35.5*	20	124	0
Chloroform	0.42	0.441	-	-5	20	97	-.01
Ethyl acetate	0.148	0.127	-	14.2	20	81	0
Carbon tetrachloride	0.35	0.337	-	3.7	20	87	0
Tetrahydrofuran	0.048	0.048	-	0	20	98	0
Dibromofluoromethane	0.271	0.291	-	-7.4	20	99	-.01
1,1,1-Trichloroethane	0.39	0.398	-	-2.1	20	92	-.01
2-Butanone	0.064	0.058	-	9.4	20	88	0
1,1-Dichloropropene	0.311	0.328	-	-5.5	20	96	0
Benzene	0.876	0.91	-	-3.9	20	94	0
tert-Amyl methyl ether	0.494	0.341	-	31*	20	66	0
1,2-Dichloroethane-d4	0.312	0.333	-	-6.7	20	96	0
1,2-Dichloroethane	0.31	0.326	-	-5.2	20	97	0
Methyl cyclohexane	0.419	0.417	-	0.5	20	95	0
Trichloroethene	0.238	0.237	-	0.4	20	90	0
Dibromomethane	0.127	0.117	-	7.9	20	87	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Environmental Advantage, Inc.
 Project Name : CY2021 ANNUAL GW SAMPLING
 Instrument ID : VOA105
 Lab File ID : V05211212A01
 Sample No : WG1582628-2
 Channel :

Lab Number : L2166429
 Project Number : 01101
 Calibration Date : 12/12/21 08:46
 Init. Calib. Date(s) : 10/07/21 10/07/21
 Init. Calib. Times : 19:35 23:04

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.246	0.275	-	-11.8	20	101	0
Bromodichloromethane	0.32	0.302	-	5.6	20	88	0
1,4-Dioxane	0.00085	0.00087*	-	-2.4	20	95	0
cis-1,3-Dichloropropene	0.355	0.313	-	11.8	20	82	0
Chlorobenzene-d5	1	1	-	0	20	95	0
Toluene-d8	1.235	1.271	-	-2.9	20	97	-.01
Toluene	0.717	0.733	-	-2.2	20	96	0
4-Methyl-2-pentanone	0.073	0.057	-	21.9*	20	71	0
Tetrachloroethene	0.333	0.339	-	-1.8	20	93	0
trans-1,3-Dichloropropene	0.383	0.303	-	20.9*	20	75	0
Ethyl methacrylate	0.26	0.204	-	21.5*	20	72	0
1,1,2-Trichloroethane	0.183	0.158*	-	13.7	20	85	0
Chlorodibromomethane	0.272	0.236	-	13.2	20	83	0
1,3-Dichloropropane	0.392	0.353	-	9.9	20	84	0
1,2-Dibromoethane	0.233	0.198*	-	15	20	80	0
2-Hexanone	0.124	0.101	-	18.5	20	75	0
Chlorobenzene	0.785	0.821	-	-4.6	20	97	0
Ethylbenzene	1.426	1.501	-	-5.3	20	98	0
1,1,1,2-Tetrachloroethane	0.297	0.251	-	15.5	20	81	0
p/m Xylene	0.551	0.569	-	-3.3	20	94	0
o Xylene	0.523	0.534	-	-2.1	20	93	0
Styrene	0.863	0.875	-	-1.4	20	92	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	94	-.01
Bromoform	0.291	0.228	-	21.6*	20	75	0
Isopropylbenzene	2.619	2.769	-	-5.7	20	97	0
4-Bromofluorobenzene	0.908	0.903	-	0.6	20	92	0
Bromobenzene	0.603	0.596	-	1.2	20	91	0
n-Propylbenzene	3.104	3.33	-	-7.3	20	97	0
1,4-Dichlorobutane	0.772	0.852	-	-10.4	20	105	0
1,1,2,2-Tetrachloroethane	0.432	0.37	-	14.4	20	87	0
4-Ethyltoluene	2.59	2.658	-	-2.6	20	93	0
2-Chlorotoluene	1.806	1.824	-	-1	20	95	0
1,3,5-Trimethylbenzene	2.28	2.212	-	3	20	88	0
1,2,3-Trichloropropane	0.344	0.301	-	12.5	20	85	0
trans-1,4-Dichloro-2-buten	0.14	0.128	-	8.6	20	98	0
4-Chlorotoluene	1.91	1.95	-	-2.1	20	94	0
tert-Butylbenzene	1.962	1.981	-	-1	20	93	0
1,2,4-Trimethylbenzene	2.231	2.136	-	4.3	20	88	0
sec-Butylbenzene	2.871	3.014	-	-5	20	96	0
p-Isopropyltoluene	2.513	2.496	-	0.7	20	90	0
1,3-Dichlorobenzene	1.215	1.197	-	1.5	20	92	0
1,4-Dichlorobenzene	1.211	1.182	-	2.4	20	90	0
p-Diethylbenzene	1.487	1.42	-	4.5	20	88	0

* Value outside of QC limits.



Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

155 Chandler St.
SDG#L2217738
May 31, 2022
Reissued: June 6, 2022
Sampling date: 3/29/2022

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

155 Chandler St.
SDG# L2217738

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package(reissued: June 6, 2022) for Environmental Advantage, project located at 155 Chandler St., Alpha Analytical, SDG#L2217738 submitted to Vali-Data of WNY, LLC on April 20, 2022. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines (SOP NO. HW-31, revision 6). The laboratory performed the analysis using Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

ID	Sample ID	Laboratory ID
1	OA-1 (032922)	L2217738-01
2	SS-9(032922)	L2217738-02
3	IA-9(032922)	L2217738-03
4	SS-10(032922)	L2217738-04
5	IA-10(032922)	L2217738-05
6	IA-7(032922)	L2217738-06
7	SS-7(032922)	L2217738-07

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check
- Canister Certification Blanks

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

155 Chandler St.

SDG# L2217738

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Initial Calibration.

Sample: DUSR ID#4 was diluted due to pressurization of the can.

All results were recorded to the reporting limits.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

METHOD BLANK

All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

No MS/MSD/Duplicate was acquired.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met except a target analyte was outside QC limits in the initial calibration verification off instrument, Airlab16. This target analyte should be qualified as estimated in the associated blanks, spikes and samples.

ICV instrument	Target Analyte	%D	Qualifier	Associated Sample
Airlab16	Acetone	-32.0	UJ/J	WG1625613, 1-7

155 Chandler St.

SDG# L2217738

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

CANISTER CERTIFICATION BLANKS

All criteria were met.

Project Name: NYSDEC VIM STUDY
Project Number: 00101

Lab Number: L2217738
Report Date: 06/01/22

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: NYSDEC VIM STUDY
Project Number: 00101

Lab Number: L2217738
Report Date: 06/01/22

Case Narrative (continued)

Report Revision


June 1, 2022 the report has been amended to change sample IDs at the request of the client. A revised COC is included in this submittal.

Volatile Organics in Air

Canisters were released from the laboratory on March 28, 2022. The canister certification results are provided as an addendum.

L2217738-04D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to perform a screen analysis. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

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: 

Report Date: 06/01/22

Title: Technical Director/Representative

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-01
 Client ID : OA-1 (032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1630096
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 16:30
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 17:49
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.515	0.200	--	2.55	0.989	--	
74-87-3	Chloromethane	0.539	0.200	--	1.11	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	1.48	1.00	--	3.52	2.38	--	
75-69-4	Trichlorofluoromethane	0.210	0.200	--	1.18	1.12	--	
67-63-0	Isopropanol	1.54	0.500	--	3.79	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-01
 Client ID : OA-1 (032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1630096
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 16:30
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 17:49
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-01
 Client ID : OA-1 (032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1630096
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 16:30
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 17:49
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary Form 1 Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-02
 Client ID : SS-9(032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1630104
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 16:40
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 22:58
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.552	0.200	--	2.73	0.989	--	
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	7.86	5.00	--	14.8	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	5.75	1.00	--	13.7	2.38	--	
75-69-4	Trichlorofluoromethane	0.279	0.200	--	1.57	1.12	--	
67-63-0	Isopropanol	3.28	0.500	--	8.06	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	0.574	0.500	--	1.99	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	1.02	0.200	--	3.18	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	4.80	0.500	--	14.2	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.671	0.200	--	3.28	0.977	--	
109-99-9	Tetrahydrofuran	2.88	0.500	--	8.49	1.47	--	



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-02
 Client ID : SS-9(032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1630104
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 16:40
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 22:58
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	7.54	0.200	--	26.6	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	1.70	0.200	--	5.43	0.639	--	
56-23-5	Carbon tetrachloride	1.41	0.200	--	8.87	1.26	--	
110-82-7	Cyclohexane	1.65	0.200	--	5.68	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	1.32	0.200	--	7.09	1.07	--	
540-84-1	2,2,4-Trimethylpentane	0.341	0.200	--	1.59	0.934	--	
142-82-5	Heptane	3.20	0.200	--	13.1	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	20.7	0.200	--	78.0	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	0.214	0.200	--	1.45	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	3.79	0.200	--	16.5	0.869	--	
179601-23-1	p/m-Xylene	18.3	0.400	--	79.5	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-02
 Client ID : SS-9(032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1630104
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 16:40
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 22:58
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	6.01	0.200	--	26.1	0.869	--	
622-96-8	4-Ethyltoluene	1.54	0.200	--	7.57	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	1.32	0.200	--	6.49	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	5.68	0.200	--	27.9	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-03
 Client ID : IA-9(032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1630101
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 16:45
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 21:03
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.543	0.200	--	2.69	0.989	--	
74-87-3	Chloromethane	0.587	0.200	--	1.21	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	111	5.00	--	209	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	17.5	1.00	--	41.6	2.38	--	
75-69-4	Trichlorofluoromethane	0.246	0.200	--	1.38	1.12	--	
67-63-0	Isopropanol	96.4	0.500	--	237	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.602	0.200	--	2.94	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	0.200	0.200	--	0.639	0.639	--	



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-03
 Client ID : IA-9(032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1630101
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 16:45
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 21:03
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.276	0.200	--	1.13	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.366	0.200	--	1.38	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.456	0.400	--	1.98	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.234	0.200	--	1.02	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-03
 Client ID : IA-9(032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1630101
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 16:45
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 21:03
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-04D
 Client ID : SS-10(032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1630105
 Sample Amount : 118 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 17:05
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 23:37
 Dilution Factor : 2.111
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.526	0.422	--	2.60	2.09	--	
74-87-3	Chloromethane	2.15	0.422	--	4.44	0.871	--	
76-14-2	Freon-114	ND	0.422	--	ND	2.95	--	U
75-01-4	Vinyl chloride	ND	0.422	--	ND	1.08	--	U
106-99-0	1,3-Butadiene	50.3	0.422	--	111	0.934	--	
74-83-9	Bromomethane	ND	0.422	--	ND	1.64	--	U
75-00-3	Chloroethane	ND	0.422	--	ND	1.11	--	U
64-17-5	Ethanol	18.0	10.6	--	33.9	20.0	--	
593-60-2	Vinyl bromide	ND	0.422	--	ND	1.85	--	U
67-64-1	Acetone	39.0	2.11	--	92.6	5.01	--	
75-69-4	Trichlorofluoromethane	ND	0.422	--	ND	2.37	--	U
67-63-0	Isopropanol	6.84	1.06	--	16.8	2.61	--	
75-35-4	1,1-Dichloroethene	ND	0.422	--	ND	1.67	--	U
75-65-0	Tertiary butyl Alcohol	ND	1.06	--	ND	3.21	--	U
75-09-2	Methylene chloride	ND	1.06	--	ND	3.68	--	U
107-05-1	3-Chloropropene	ND	0.422	--	ND	1.32	--	U
75-15-0	Carbon disulfide	43.5	0.422	--	135	1.31	--	
76-13-1	Freon-113	ND	0.422	--	ND	3.23	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.422	--	ND	1.67	--	U
75-34-3	1,1-Dichloroethane	ND	0.422	--	ND	1.71	--	U
1634-04-4	Methyl tert butyl ether	ND	0.422	--	ND	1.52	--	U
78-93-3	2-Butanone	7.87	1.06	--	23.2	3.13	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.422	--	ND	1.67	--	U
141-78-6	Ethyl Acetate	ND	1.06	--	ND	3.82	--	U
67-66-3	Chloroform	0.483	0.422	--	2.36	2.06	--	
109-99-9	Tetrahydrofuran	ND	1.06	--	ND	3.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-04D
 Client ID : SS-10(032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1630105
 Sample Amount : 118 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 17:05
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 23:37
 Dilution Factor : 2.111
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	0.422	--	ND	1.71	--	U
110-54-3	n-Hexane	132	0.422	--	465	1.49	--	
71-55-6	1,1,1-Trichloroethane	ND	0.422	--	ND	2.30	--	U
71-43-2	Benzene	41.7	0.422	--	133	1.35	--	
56-23-5	Carbon tetrachloride	0.684	0.422	--	4.30	2.65	--	
110-82-7	Cyclohexane	68.4	0.422	--	235	1.45	--	
78-87-5	1,2-Dichloropropane	ND	0.422	--	ND	1.95	--	U
75-27-4	Bromodichloromethane	ND	0.422	--	ND	2.83	--	U
123-91-1	1,4-Dioxane	ND	0.422	--	ND	1.52	--	U
79-01-6	Trichloroethene	4.36	0.422	--	23.4	2.27	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.422	--	ND	1.97	--	U
142-82-5	Heptane	109	0.422	--	447	1.73	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.422	--	ND	1.92	--	U
108-10-1	4-Methyl-2-pentanone	ND	1.06	--	ND	4.34	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.422	--	ND	1.92	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.422	--	ND	2.30	--	U
108-88-3	Toluene	86.0	0.422	--	324	1.59	--	
591-78-6	2-Hexanone	ND	0.422	--	ND	1.73	--	U
124-48-1	Dibromochloromethane	ND	0.422	--	ND	3.60	--	U
106-93-4	1,2-Dibromoethane	ND	0.422	--	ND	3.24	--	U
127-18-4	Tetrachloroethene	ND	0.422	--	ND	2.86	--	U
108-90-7	Chlorobenzene	ND	0.422	--	ND	1.94	--	U
100-41-4	Ethylbenzene	9.80	0.422	--	42.6	1.83	--	
179601-23-1	p/m-Xylene	40.2	0.844	--	175	3.67	--	
75-25-2	Bromoform	ND	0.422	--	ND	4.36	--	U
100-42-5	Styrene	ND	0.422	--	ND	1.80	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-04D
 Client ID : SS-10(032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1630105
 Sample Amount : 118 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 17:05
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 23:37
 Dilution Factor : 2.111
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.422	--	ND	2.90	--	U
95-47-6	o-Xylene	10.2	0.422	--	44.3	1.83	--	
622-96-8	4-Ethyltoluene	1.97	0.422	--	9.68	2.07	--	
108-67-8	1,3,5-Trimethylbenzene	1.41	0.422	--	6.93	2.07	--	
95-63-6	1,2,4-Trimethylbenzene	5.55	0.422	--	27.3	2.07	--	
100-44-7	Benzyl chloride	ND	0.422	--	ND	2.19	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.422	--	ND	2.54	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.422	--	ND	2.54	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.422	--	ND	2.54	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.422	--	ND	3.13	--	U
87-68-3	Hexachlorobutadiene	ND	0.422	--	ND	4.50	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-05
 Client ID : IA-10 (032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1630102
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 16:55
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 21:41
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.546	0.200	--	2.70	0.989	--	
74-87-3	Chloromethane	0.594	0.200	--	1.23	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	76.4	5.00	--	144	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	37.4	1.00	--	88.8	2.38	--	
75-69-4	Trichlorofluoromethane	0.232	0.200	--	1.30	1.12	--	
67-63-0	Isopropanol	221	0.500	--	543	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	0.551	0.500	--	1.99	1.80	--	
67-66-3	Chloroform	0.373	0.200	--	1.82	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	0.214	0.200	--	0.684	0.639	--	



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-05
 Client ID : IA-10 (032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1630102
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 16:55
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 21:41
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.290	0.200	--	1.09	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-05
 Client ID : IA-10 (032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1630102
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 16:55
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 21:41
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-06
 Client ID : IA-7 (032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1630103
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 17:00
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 22:20
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.545	0.200	--	2.69	0.989	--	
74-87-3	Chloromethane	0.600	0.200	--	1.24	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	123	5.00	--	232	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	27.6	1.00	--	65.6	2.38	--	
75-69-4	Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--	
67-63-0	Isopropanol	151	0.500	--	371	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.681	0.500	--	2.01	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.288	0.200	--	1.41	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-06
 Client ID : IA-7 (032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1630103
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 17:00
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 22:20
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.414	0.200	--	1.56	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-06
 Client ID : IA-7 (032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1630103
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 17:00
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 22:20
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-07
 Client ID : SS-7(032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1630106
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 17:00
 Date Received : 03/30/22
 Date Analyzed : 04/11/22 00:15
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.519	0.200	--	2.57	0.989	--	
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	1.84	1.00	--	4.37	2.38	--	
75-69-4	Trichlorofluoromethane	0.270	0.200	--	1.52	1.12	--	
67-63-0	Isopropanol	1.52	0.500	--	3.74	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.11	0.500	--	3.27	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	0.622	0.500	--	2.24	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-07
 Client ID : SS-7(032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1630106
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 17:00
 Date Received : 03/30/22
 Date Analyzed : 04/11/22 00:15
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	9.26	0.200	--	32.6	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	2.60	0.200	--	8.31	0.639	--	
56-23-5	Carbon tetrachloride	0.496	0.200	--	3.12	1.26	--	
110-82-7	Cyclohexane	2.52	0.200	--	8.67	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	1.66	0.200	--	8.92	1.07	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	3.50	0.200	--	14.3	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	22.9	0.200	--	86.3	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	3.80	0.200	--	16.5	0.869	--	
179601-23-1	p/m-Xylene	18.4	0.400	--	79.9	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-07
 Client ID : SS-7(032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1630106
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 17:00
 Date Received : 03/30/22
 Date Analyzed : 04/11/22 00:15
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	5.84	0.200	--	25.4	0.869	--	
622-96-8	4-Ethyltoluene	1.26	0.200	--	6.19	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	1.29	0.200	--	6.34	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	5.24	0.200	--	25.8	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : WG1625613-4
 Client ID : WG1625613-4BLANK
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1630094
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/10/22 15:14
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--	U
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	ND	1.00	--	ND	2.38	--	U
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	ND	0.500	--	ND	1.23	--	U
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : WG1625613-4
 Client ID : WG1625613-4BLANK
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1630094
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/10/22 15:14
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : WG1625613-4
 Client ID : WG1625613-4BLANK
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1630094
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/10/22 15:14
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airlab16\2022\03\0309T_I\
 Data File : r1629381.D
 Acq On : 9 Mar 2022 11:48 PM
 Operator : AIRLAB16:RY
 Sample : CT015-LLSTD010
 Misc : WG1614549
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 11 13:49:00 2022
 Quant Method : O:\Forensics\Data\Airlab16\2022\03\0309T_I\TFS16_220309.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Thu Mar 10 19:22:17 2022
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
 Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	bromochloromethane	1.000	1.000	0.0	90	0.00
2	chlorodifluoromethane	0.752	0.659	12.4	79	0.01
3	propylene	0.419	0.526	-25.5	116	0.00
4	propane	0.609	0.514	15.6	77	0.00
5	dichlorodifluoromethane	0.998	0.998	0.0	89	0.01
6 C	chloromethane	0.481	0.484	-0.6	90	0.00
7	Freon-114	1.308	1.348	-3.1	91	0.01
8 C	methanol	0.289	0.247	14.5	75	0.02
9 C	vinyl chloride	0.685	0.733	-7.0	93	0.00
10 C	1,3-butadiene	0.447	0.472	-5.6	93	0.01
11	butane	0.823	0.843	-2.4	93	0.01
13 C	bromomethane	0.553	0.552	0.2	87	0.00
14 C	chloroethane	0.351	0.396	-12.8	101	0.01
15	ethanol	0.388	0.322	17.0	72	0.02
16	dichlorofluoromethane	1.125	1.257	-11.7	94	0.00
17 C	vinyl bromide	0.513	0.579	-12.9	101	0.00
18 C	acrolein	0.276	0.244	11.6	78	0.01
19	acetone	0.641	0.846	-32.0#	121	0.00
20 C	acetonitrile	0.504	0.563	-11.7	98	0.02
21	trichlorofluoromethane	0.986	1.083	-9.8	96	0.00
22	isopropyl alcohol	0.738	0.924	-25.2	113	0.01
23 C	acrylonitrile	0.464	0.438	5.6	83	0.00
24	pentane	1.035	1.136	-9.8	102	0.01
25	ethyl ether	1.326	1.186	10.6	78	0.00
26 C	1,1-dichloroethene	0.917	1.003	-9.4	95	0.00
27	tertiary butyl alcohol	1.176	1.209	-2.8	91	0.01
28 C	methylene chloride	0.569	0.572	-0.5	89	0.00
29 C	3-chloropropene	0.721	0.871	-20.8	108	0.00
30 C	carbon disulfide	1.534	1.608	-4.8	93	0.00
31	Freon 113	1.100	1.275	-15.9	102	0.01
32	trans-1,2-dichloroethene	0.947	1.008	-6.4	94	0.00
33 C	1,1-dichloroethane	1.135	1.285	-13.2	100	0.00
34 C	MTBE	1.273	1.464	-15.0	102	0.00
35 C	vinyl acetate	1.069	1.026	4.0	92	0.00
36 C	2-butanone	1.149	1.183	-3.0	95	0.00
37	cis-1,2-dichloroethene	0.866	0.960	-10.9	97	0.00
38	Ethyl Acetate	0.224	0.261	-16.5	95	0.00
39 C	chloroform	0.931	0.968	-4.0	91	0.00
40	Tetrahydrofuran	0.680	0.740	-8.8	101	0.00

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-01
 Client ID : OA-1 (032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1630096_EV2
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 16:30
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 17:49
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.090	0.020	--	0.566	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-03
 Client ID : IA-9(032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1630101_EV2
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 16:45
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 21:03
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	0.098	0.020	--	0.389	0.079	--	
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	1.28	0.020	--	8.05	0.126	--	
79-01-6	Trichloroethene	4.74	0.020	--	25.5	0.107	--	
127-18-4	Tetrachloroethene	0.090	0.020	--	0.610	0.136	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-05
 Client ID : IA-10 (032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1630102_EV2
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 16:55
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 21:41
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	0.121	0.020	--	0.480	0.079	--	
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.815	0.020	--	5.13	0.126	--	
79-01-6	Trichloroethene	7.29	0.020	--	39.2	0.107	--	
127-18-4	Tetrachloroethene	0.045	0.020	--	0.305	0.136	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : L2217738-06
 Client ID : IA-7 (032922)
 Sample Location : 155 CHANDLER ST. BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1630103_EV2
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : 03/29/22 17:00
 Date Received : 03/30/22
 Date Analyzed : 04/10/22 22:20
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	0.093	0.020	--	0.369	0.079	--	
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.629	0.020	--	3.96	0.126	--	
79-01-6	Trichloroethene	4.48	0.020	--	24.1	0.107	--	
127-18-4	Tetrachloroethene	0.055	0.020	--	0.373	0.136	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : NYSDEC VIM STUDY
 Lab ID : WG1625614-4
 Client ID : WG1625614-4BLANK
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1630095_EV2
 Sample Amount : 250 ml

Lab Number : L2217738
 Project Number : 00101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/10/22 15:52
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	ND	0.020	--	ND	0.126	--	U
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U

APPENDIX F

EQUIS DATA SUBMITAL CONFIRMATIONS

From: [Mallory](#)
To: ["dec.sm.NYENVDATA"](#)
Subject: RE: Pierce Arrow Business Center Site BCP #C915312 - Electorinc Data Deliverable
Date: Tuesday, April 12, 2022 12:47:00 PM
Attachments: [20220412 1233.C915312.NYSDEC REPLACE.zip](#)
[image001.png](#)
[20220412 1239.C915312.NYSDEC REPLACE.zip](#)

Aaron,

Thank you for reaching out. Yes it would be our firm providing the location data. Please see attached the two REPLACE EDD files.

Thank you,
Mallory

Mallory Behlmaier, Environmental Scientist
Environmental Advantage, Inc.
3636 N. Buffalo Road
Orchard Park, NY 14127
Phone (716) 667-3130 ext. 109
Fax (716) 667-3156
mbehlmaier@envadvantage.com
www.envadvantage.com

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From: dec.sm.NYENVDATA [<mailto:NYENVDATA@dec.ny.gov>]
Sent: Tuesday, April 12, 2022 11:53 AM
To: Mallory
Subject: RE: Pierce Arrow Business Center Site BCP #C915312 - Electorinc Data Deliverable

Mallory,

We will review your data in full when we reach it in the queue, but I was wondering if you've given thought to the choice of 'ALPHA' as the data provider for your location information.

The Location_v4.data_provider column determines which party we'll contact if we have questions about coordinate data. Are you sure you want us to ask your lab contact about that? And not your firm, EA Inc.?

It's just an item I found curious, not something to reject data over. If you determine that you want to revise this information, you can send an UPDATE or REPLACE EDD to correct it.

Thank you,

Aaron
NYSDEC EIMS Team



From: Mallory <mbehlmaier@envadvantage.com>
Sent: Friday, April 8, 2022 9:34 AM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: 'Mary Szustak' <MSzustak@envadvantage.com>; Mark Hanna <mhanna@envadvantage.com>; Kuczka, Megan E (DEC) <Megan.Kuczka@dec.ny.gov>
Subject: Pierce Arrow Business Center Site BCP #C915312 - Electorinc Data Deliverable

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Aaron,

Please find attached two zip files containing the following data sets for BCP Site C915312 – Pierce Arrow Business Center

L2166417
L2166429

Thank you,
Mallory

Mallory Behlmaier, Environmental Scientist
Environmental Advantage, Inc.
3636 N. Buffalo Road
Orchard Park, NY 14127
Phone (716) 667-3130 ext. 109
Fax (716) 667-3156
mbehlmaier@envadvantage.com
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or omissions contained in or resulting from this transmission.

APPENDIX G

INSTITUTIONAL CONTROLS/ENGINEERING CONTROLS CERTIFICATION



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. **C915312**

Site Name **Pierce Arrow Business Center**

Site Address: 155-157 Chandler Street Zip Code: 14207
City/Town: Buffalo
County: Erie
Site Acreage: 2.350

Reporting Period: April 27, 2021 to April 27, 2022

- | | YES | NO |
|--|-------------------------------------|-------------------------------------|
| 1. Is the information above correct? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| If NO, include handwritten above or on a separate sheet. | | |
| 2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form. | | |
| 5. Is the site currently undergoing development? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Box 2

- | | YES | NO |
|---|-------------------------------------|--------------------------|
| 6. Is the current site use consistent with the use(s) listed below?
Restricted-Residential, Commercial, and Industrial | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. Are all ICs in place and functioning as designed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

☐☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

☒☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C915312**Box 3****Description of Institutional Controls**ParcelOwnerInstitutional Control**77.84-1-4**

R&M Leasing, LLC

IC/EC Plan
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Site Management Plan

Monitoring Plan

- . Prohibition of use of groundwater.
- . Restricted Residential Use.
- . Soil Vapor Intrusion Evaluation for any existing or future structures.
- . Soil Management or Excavation Work Plan for any future intrusive work.

77.84-1-5

R&M Leasing, LLC

Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan
Soil Management Plan

- . Prohibition of use of groundwater.
- . Restricted Residential Use.
- . Soil Vapor Intrusion Evaluation for any future structures.
- . Soil Management or Excavation Work Plan for any future intrusive work.
- . Groundwater Monitoring Plan

Box 4**Description of Engineering Controls**ParcelEngineering Control**77.84-1-4**

Vapor Mitigation

- . Monitoring of the Sub-slab Depressurization System.

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO



2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

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

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO



**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

**IC CERTIFICATIONS
SITE NO. C915312**

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I C. Mark Hanna at 3636 N Buffalo Road., Orchard Park, NY 14127,
print name print business address

am certifying as Designated Representative of the Site Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.



Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

05/27/2022

Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I C. Mark Hanna at 3636 N Buffalo Road., Orchard Park NY 14127,
print name print business address

am certifying as a Qualified Environmental Professional for the Owner
(Owner or Remedial Party)

	<u>0696</u>	<u>05/27/2022</u>
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	CHMM Certification #	Date