SUPPLEMENTAL SOIL VAPOR INTRUSION INVESTIGATION REPORT - JUNE 2022

Prepared for:

Pierce Arrow Business Center
155-157 Chandler Street
Buffalo, New York 14203

NYSDEC Site Number: C915312

Prepared by:

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

September 21, 2022

TABLE OF CONTENTS

APPENDICIES

FIGURES

TABLES

1.0 INTRODUCTION

1.1 Project Background

The owner of the property located at 155 Chandler Street, City of Buffalo, New York, R&M Leasing, LLC (R&M), completed a Brownfield Cleanup Program (BCP) Track 2 Cleanup at the site with a Certificate of Completion (COC) issued on December 27, 2017[1]. Environmental Advantage, Inc. (EA), on behalf of R&M, completed an initial Soil Vapor Intrusion (SVI) Investigation on March 29, 2022 (March 2022 SVI Investigation), the results of which were submitted to the New York State Department of Environmental Conservation (NYSDEC or "Department") in the Draft March 2022 SVI Investigation Report on May 13, 2022[2]. Based on the results of the March 2022 SVI Investigation, EA concluded that additional sampling was required. The Department approved EA's recommendation for additional sampling via email on May 31, 2022[3] and requested additional sampling procedures as described below. EA, in accordance with the Department approved SVI Investigation Work Plan[4], subsequently completed a Supplemental Soil Vapor Intrusion (SVI) investigation on June 14, 2022 (June 2022 SVI Investigation), at the Pierce Arrow Business Center (PABC) facility located at 155-157 Chandler Street in the City of Buffalo, New York (Site), as shown on Figure 1, located in Appendix A. The June 2022 SVI investigation was completed in general accordance with NYSDEC DER-10 guidelines and New York State Department of Health (NYSDOH) "Guidance for Evaluating Soil Vapor Intrusion in New York State[5]" document, as revised.

The June 2022 SVI investigation was focused on indoor and sub-slab conditions beneath the area of the building currently occupied by Buffalo Cider Hall, where air monitoring completed in accordance with the Department-approved Site Management Plan (SMP)[6] and during the March 2022 SVI Investigation indicated trichloroethene (TCE) concentrations in the indoor air in exceedance of the NYSDOH Air Guideline Values (AGV) as outlined in the NYSDOH Guidance document. During the June 2022 SVI Investigation, the ODL Orthodontic Lab area of the building adjacent to the Buffalo Cider Hall was also investigated. This Supplemental SVI Investigation Report – June 2022, provides details on the analytical results from the initial March 2022 and Supplemental June 2022 SVI investigations completed in the areas described above. Based on the results of the two investigations, mitigation will be necessary.

---

1 New York State Department of Environmental Conservation, "Certificate of Completion for the Pierce Arrow Business Center", dated December 27, 2017

2 A Draft "Soil Vapor Intrusion Investigation Report" for Pierce Arrow Business Center, 155-157 Chandler Street, Buffalo, NY" prepared by Environmental Advantage, Inc., dated April 30, 2022 was submitted to the Department on May 13, 2022. The final "March 2022 Soil Vapor Intrusion Investigation Report" for Pierce Arrow Business Center, 155-157 Chandler Street, Buffalo, NY" prepared by Environmental Advantage, Inc., dated August 10, 2022 was submitted to the Department on August 10, 2022.

3 Email from Kuczka, Megan E (DEC) to Mary Szustak, May 31, 2022 2:18 PM.

4 "Soil Vapor Intrusion Investigation Work Plan for Pierce Arrow Business Center, 155-157 Chandler Street, Buffalo, NY" prepared by Environmental Advantage, Inc., dated March 15, 2022, approved April 1, 2022.

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

6 "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.

This Supplemental SVI Investigation Report – June 2022, is not a monitoring report for SMP compliance, as the areas subject to the June 2022 SVI investigation are not associated with the current Engineering Controls (ECs) operating at the Site, and initial Remedial Investigation (RI) and Interim Remedial Measure (IRM) work did not identify any concerns in the areas addressed in these investigations. This Report presents the second phase of an initial scope of work to investigate a source(s) of SVI that apparently has been identified as a result of the completed Site and building development. A mitigation work plan detailing the proposed remedy is being prepared under different cover and will be submitted to the Department for review upon completion.

1.2 Site Background

The PABC Property ("Site") is an approximately 2.35 acre property located at 155-157 Chandler Street in the City of Buffalo, Erie County, New York. Site boundaries are illustrated in Figure 2. 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 directly east of the Site building. The Site is zoned D-C Flex Commercial, which permits Residential, Retail, & Service, and Light Industrial uses. The neighborhood surrounding the Site primarily includes light industrial, commercial and residential properties.

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/mid 1950s, before it was 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. Development at the Site was completed in 2018. The building is currently occupied by the following tenants: Utilant, LLC, Blackbird Cidery Buffalo Cider Hall, Barrel and Brine Kombucha, ODL Orthodontic Lab, Anderson Tax Services, and residents occupying four (4) luxury second floor loft apartments.

1.3 Site Remedial History

Brownfield Cleanup Agreement (BCA Index No. C915312-02-17) was executed on April 24, 2017 for the Site, identified as Site No. C915312 and amended on September 21, 2017[7]. Hazard Evaluations, Inc. (HEI), in association with Schenne & Associates (S&A), completed RI and IRM activities concurrently in order to remediate the on-site concerns. RI and IRM work completed at the Site was detailed in the Site's Final Remedial Investigation-Interim Remedial Measures-Alternative Analysis Report (RI-IRM-AAR)[8] and Final Engineering Report (FER)[9]. Below is an abridged summary of

7 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. Brownfield Cleanup Agreement Amendment for C915312, executed September 21, 2017. The amendment removed Signature Development WNY LLC, from the application, making R & M Leasing LLC the sole applicant.

8 "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.

the Site remedial history relating to SVI and chlorinated volatile organic compound (CVOC) contamination.

Initial SVI Assessment

During the initial SVI Assessment completed in September 2017 (September 2017 SVI Assessment) as part of the RI, vapor intrusion air samples were analyzed from five (5) sub-slab locations and six (6) ambient indoor air locations throughout the building, as well as one (1) ambient outdoor location. TCE was detected in three of the sub-slab samples at concentrations ranging from 2.2 ug/m^3 at SS-2 to 3,500 ug/m^3 at SS-4. TCE was also detected in four of the indoor samples at concentrations ranging from 0.27 ug/m^3 at IA-3 to 1.7 ug/m^3 at IA-4. However, all indoor air sample results for TCE were below the NYSDOH AGV of 2 ug/m^3. The decision matrices from the updated NYSDOH SVI guidance indicated "no further action" for locations SS-1/IA-1, SS-2/IA-2, SS-5/IA-5 and SS-6/IA-6. However, based on the TCE concentration of 730 ug/m^3 and 3500 ug/m^3 in the sub-slab samples from SS-3 and SS-4, respectively, Decision Matrix A indicated these locations/areas would require mitigation. Other CVOCs were detected during the initial SVI Assessment at low levels; however, only TCE was detected at levels requiring mitigation. Post-COC, TCE has been the only NYSDOH priority CVOC[10] identified at levels in exceedance of NYSDOH AGVs during the annual SMP compliance sampling[11]. Carbon Tetrachloride was detected at the IA-5 and IA-6 locations in December 2018 and December 2019, respectively, in exceedance of its respective commercial indoor air background level as referenced in the NYSDOH Guidance document[12]. No action for Carbon Tetrachloride was identified at either IA-5 or SS-6/IA-6 during the initial September 2017 SVI investigation. The results of the initial September 2017 SVI Assessment and SVI sampling decision matrices utilized during the RI/IRM is included as Table 1 and Table 2, respectively, located in Appendix B. Sample locations are illustrated on Figure 2.

As a result of the September 2017 SVI Assessment, a sub-slab depressurization (SSD) system was installed in the southwestern portion of the site in proximity to the SS-3/IA-3 and SS-4/IA-4 sample locations, as shown in Figure 2. The SSD system was installed in November 2017, with a system start date of November 8, 2017. After installation in 2017, the SSD system remained idle during building development while

---

9 "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.

10 Priority CVOCs include those listed on the decisions matrices of the NYSDOH Guidance, 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).

11 Carbon Tetrachloride was detected at concentrations of 41 ug/m^3 and 0.63 ug/m^3 at the SS-3/IA-3 locations and 23 ug/m^3 and 0.57 ug/m^3 at the SS-4/IA-4 locations. According to Matrix A the recommended action is to "monitor". Post SSD systems operation, Carbon Tetrachloride has remained <1 ug/m^3 at both SS_3/IA-3 and SS-4/IA-4 locations. Methylene Chloride was detected at concentrations of 2.6 ug/m^3 and 150 ug/m^3 at the at the SS-4/IA-4 location. According to Matrix B the recommended action is to "Identify Source(s) and Resample or Mitigate". Post SSD systems operation, Methylene Chloride has remained non-detect at the SS-4/IA-4 location.

12 Appendix C of the NYSDOH guidance document, "Table C2, USEPA 2001: Building Assessment and Survey Evaluation (BASE) Database as incorporated into the "Guidance for Evaluating Soil Vapor Intrusion in the State of New York".

the building was unoccupied. The full summary (including applicable laboratory analytical reports) of the original September 2017 SVI Assessment and SSD installation is included in the Site's FER and SMP.

1.4 Summary of Previous Vapor Intrusion Monitoring

Below is an abridged summary of the SVI monitoring completed at the Site since the issuance of the COC as reported in the Site's annual Periodic Review Reports (PRRs)[13] as required by the Site SMP. Full summaries (including applicable laboratory analytical reports) of the post-SSD installation sampling and annual Indoor/Outdoor Air compliance sampling, can be found in the Department approved PRR's from 2018-2019, 2019-2020, and 2020-2021. Monitoring results for sampling locations identified as IA-1, IA-2, IA-3, and IA-4 are not discussed in this report due to continued compliant results post-SSD system installation. Monitoring results for sampling location IA-5 are briefly discussed as this location exhibited early non-compliant results due to SSD system malfunction.

After the initial September 2017 SVI assessment and ensuing SSD systems installation, the four SSD systems remained idle during development while the building was unoccupied. During the initial post-installation SSD system monitoring and sampling event in December 2018, SSDS-1, SSDS-2, and SSDS-3 were not operating. SSDS-4 was operating at the time of the inspection. Interior development was completed in some tenant spaces, but still under way in others. Exterior development work and windows were still being installed. The building was unoccupied at this time. TCE was detected at a concentration of 9.46 ug/m^3 in the indoor air sample identified as IA-5, and Carbon Tetrachloride was detected above its respective commercial indoor air background level.

During a follow up site inspection and sampling event in February 2019, SSDS-1, SSDS-2, and SSDS-4 were operating as designed, however, SSDS-3, although operational, had its fan working intermittently. TCE was detected at a concentration of 4.54 ug/m^3 at the IA-5 location; carbon tetrachloride was not detected above its respective commercial indoor air background level. An additional follow up Site inspection was completed in June 2019. At the time of the inspection, all four SSD systems appeared to be functioning properly, as positive pressure differential readings were recorded. A follow up indoor air sample was collected at the original IA-5 sample location assess if indoor air concentrations of TCE had been reduced with proper operation of all four SSD systems. TCE was detected at a concentration of 0.903 ug/m^3, which is below the NYSDOH AGV of 2 ug/m^3. Prior to April 26, 2019, the SSDS-3 fan and the SSDS-4 fan had both been replaced due to intermittent malfunctions. TCE has not been detected above the NYSDOH AGV at the IA-5 location since February 2019; and carbon tetrachloride has not been detected above its respective commercial indoor air background level since December 2018.

13 "Periodic Review Report – April 2019; DEC Site #C911532", prepared by Hazard Evaluations, Inc., dated May 31, 2019; Periodic Review Report – April 2020; DEC Site #C911532", prepared by Hazard Evaluations, Inc., dated April 30, 2020; Periodic Review Report – April 2021 – Revised; DEC Site #C911532", prepared by Environmental Advantage, Inc., dated July 16, 2021.

As per the monitoring and sampling requirements listed in the Site's SMP, a second annual Site-wide inspection and air sampling event was completed in December 2019. The four SSD systems appeared to be functioning properly at the time of the inspection, as positive pressure differential readings were recorded. TCE was detected at a concentration of 12.0 ug/m^3 at the IA-6 location, which exceeds the NYSDOH AGV of 2 ug/m^3 and carbon tetrachloride was detected above its respective commercial indoor air background level. As a result of this December 2019 exceedance, EA collected a follow up sample from this location in February 2020. TCE was detected at a concentration of 1.34 ug/m^3, which is below the NYSDOH AGV of 2 ug/m^3 and carbon tetrachloride was detected below its respective commercial indoor air background level. The four SSD systems appeared to be functioning properly at the time of the February 2020 inspection.

The third annual SMP required Site-wide inspection and air sampling event was completed by EA in December 2020. The four SSD systems appeared to be functioning properly at the time of the inspection, as positive pressure differential readings were recorded. TCE was detected at a concentration of 2.96 ug/m^3 at the IA-6 location. EA collected a follow up indoor air sample from this location in February 2021. TCE was again detected at a concentration of 2.96 ug/m^3 at IA-6.

Due to the NYSDOH AGV exceedances for TCE at the IA-6 location as discussed above, EA recommended that the location of IA-6, which is an unoccupied pass-through hallway containing mailboxes, be better ventilated. On March 26, 2021, a ceiling exhaust fan was 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 ug/m^3.

In consideration of the March 2021 results, EA surmised that the increased results detected at the IA-6 location may have be related to the ceiling fan creating a negative pressure within the hallway, thereby enhancing SVI potential. Simply for 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. 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, it was proposed to install two approximate 10-inch by 12-inch passive vents within each of the man-door entrances to allow the infiltration of fresh outdoor air. Passive vent installation was completed in the mailroom (location of IA-6) at the end of October 2021 by building maintenance.

In early December 2021, the fourth annual SMP required Site-wide inspection and air sampling event was completed by EA. At the direction of the NYSDEC, post passive vent installation indoor air samples were collected as well from two rooms adjacent to the mail room (location of IA-6) designated as IA-7 and IA-8. Post-vent installation yielded acceptable results at the IA-6 location with TCE detected at a

concentration of 1.73 ug/m^3; however, TCE was detected at a concentration of 17.5 ug/m^3 at the IA-7 location and 18.0 ug/m^3 at the IA-8 location. The location of the additional indoor air samples collected with TCE exceedances highlighted is illustrated in Figure 3. A summary of annual SMP compliance air sampling results from 2019-2021 is included in Table 3.

The results of the December 2021 monitoring and sampling event were provided to the Department in a summary letter[14] in which EA concluded that further investigation was warranted to identify the source of TCE. The Department responded in a letter dated February 23, 2022, requesting the submittal of a work plan[15].

2.0 RECENT SOIL VAPOR INTRUSION INVESTIGATIONS

2.1 Introduction

The initial March 2022 SVI investigation scope of work as detailed in the March 2022 Work Plan included investigation for potential site contaminants in the sub-slab vapor, indoor ambient air, and outdoor ambient air, in the vicinity of previous sample locations IA-7 and IA-8. The scope of work included three (3) sub-slab vapor, three (3) indoor ambient air sample locations, and one (1) outdoor ambient air location. Expanding on the March 2022 results, the June 2022 supplemental SVI investigation scope of work included investigation for potential site contaminants in the sub-slab vapor, indoor ambient air, and outdoor ambient air at the Site, in the vicinity of previous sample locations IA-8 and IA-10. The scope of work included four (4) sub-slab vapor, five (5) indoor ambient air sample locations, and two (2) outdoor ambient air locations. Specific sub-slab locations were selected at the time of the investigation based on the site inspection and accessibility. Sampling locations are included on Figure 4.

2.2 March 2022 SVI Investigation

Sub-slab and indoor air samples were collected in the vicinity of the two previously identified indoor air locations, IA-7 and IA-8. Specifically, at the previous IA-7 location (cidery storage closet area) one (1) sub-slab vapor and a corresponding indoor air sample location were collected. Adjacent to the previous IA-8 location, in the adjacent room identified as the cidery "event area", one (1) sub-slab vapor was collected in an identified below-grade area adjacent to a stairwell (identified as the "basement" area on Site design plans), and a corresponding indoor air sample location directly above the stairwell. A third sub-slab vapor and corresponding indoor air sample was collected at a location in the bar area of the Buffalo Cider Hall. Sampling locations are shown on Figure 4. Site conditions and observations made during the March 2022 SVI Investigation were detailed in the final SVI Investigation Report, dated August 10, 2022.

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 June 2022 SVI Investigation

Sub-slab and indoor air samples were collected in the vicinity of two previously identified indoor air locations, IA-8 and IA-10, as well as the ODL tenant space between the cidery and the historical IA-5 location. Specifically, at the previous IA-8 location (cidery additional seating area), one (1) sub-slab vapor and a corresponding indoor air sample were collected approximately +/- 10-feet from the previous IA-8 location. At the previous IA-10 location (cidery "event area" room), one (1) sub-slab vapor and a corresponding indoor air sample were collected. In an identified below-grade room identified as the "ODL storage area" on the opposite side of a wall from the previous SS-10 location, one (1) sub-slab vapor and a corresponding indoor air sample were collected. Also, in the ODL waiting room, approximately +/- 50-feet from the previous IA-5 location, (1) sub-slab vapor and corresponding indoor air sample location was completed. In addition, one (1) indoor air sample was collected in the elevator shaft for the ODL elevator. One (1) outdoor ambient sample was collected from the rooftop directly adjacent to the HVAC units which service the cidery area of the building, and one (1) additional outdoor ambient air sample was collected directly outside of the cidery along the Chandler Street side of the building. Sampling locations are shown on Figure 4.

2.3.1 Building Survey

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 pre-calibrated photoionization detector (PID) was used to monitor indoor air and scan vapors of individual containers that were present. During the building survey, the following products were identified and scanned with a PID:

- 3 gallons of wall paint near SS-8(061422) and IA-8(061422): 0.0ppm,
- 1 quart Acetone near SS-8(061422) and IA-8(061422): 0.0ppm,
- 1 quart stripper near SS-8(061422) and IA-8(061422): 0.0ppm,
- 1 quart brush cleaner near SS-8(061422) and IA-8(061422): 0.0ppm,
- 1 quart wood cleaner near SS-8(061422) and IA-8(061422): 0.0ppm,
- 1 can spray paint near SS-8(061422) and IA-8(061422): 0.0ppm,
- 1 can stain near SS-8(061422) and IA-8(061422): 0.0ppm,
- 1 gallon bleach in the kitchen area: 0.0ppm,
- 1 quart degreaser in the kitchen area: 0.0ppm,
- 1 quart Carbon Off in the kitchen area: 0.0ppm,
- 1 gallon floor cleaner in the kitchen area: 0.0ppm.

Due to zero PID reading on all containers, no containers were removed prior to vapor sampling. The complete building survey is included in Appendix C.

2.3.2 Site Preparation

The four SSD systems currently operating at the Site were inspected prior to sample collection. The four SSD systems appeared to be functioning properly at the time of the inspection, as positive pressure differential readings were recorded. The cooling function of the HVAC system was activated during the

investigation and doors and windows closed in the sampling areas. The heating system was not activated during the investigation, in accordance with NYSDOH recommendations due to the moderate exterior temperatures during the time of the year this additional investigation was completed.

2.4 Vapor Intrusion Sampling – June 2022

Three types of air samples were collected, including sub-slab, ambient indoor air and ambient outdoor air samples, as follows:

2.4.1 Sub-Slab

EA installed three (3) temporary sub-slab sampling points at locations as shown on Figure 4 and described above. Samples were obtained through core-drilled holes into a competent portion of the concrete floor, away from cracks or drains. Clean, dedicated ¼-inch inside diameter polyethylene tubing was placed into the hole and care was taken to not extend the tubing further than 1-inch[16] into the sub-slab material. The corehole annulus was then sealed at the floor surface with non-VOCs-containing modeling clay.

EA immediately took PID readings through the corehole upon drilling through the sub-slab, prior to tracer gas testing at each location. The results of the sub-slab PID screening are as follows:
- SS-8(061522) 22.2ppm (void), 6.4ppm (below slab),
- SS-11(061522) 0.1ppm,
- SS-12(061522) 41.0ppm,
- SS-13(061522) 1.2ppm,

To ensure that an adequate surface seal was created to prevent ambient air infiltration below the slab, the seal was tested at each sample location utilizing helium as a tracer gas. Utilizing a 3-gallon plastic container outfitted with a helium port and sample port, the polyethylene tubing previously inserted into the sub-slab and sealed was fed through the sample port of the container, and area in the immediate vicinity of the sub-slab sample point covered by the container. The atmosphere inside the container was then enriched with helium while the sample tubing was monitored to ensure no helium detected below the slab. This process was repeated for each sub-slab sample point. Once it was determined that a proper surface seal was present, the sample probe and tube were purged of one to three volumes, and sampling was initiated.

Sub-slab vapor samples were collected using 2.7-liter capacity Summa canisters each fitted with a laboratory calibrated flow regulation devise to allow the collection of the soil gas sample over an 8-hour sample collection time. No water was encountered in the sample tubing during sample collection.

16 During the March 2022 SVI Investigation, water was observed in the bottom of the sampling tube when the air canister was removed at the SS-10 location. To prevent this, the sampling tube was inserted no further than 1-inch below the slab during the June SVI Investigation at all sub-grade sampling locations.

2.4.2 Ambient Indoor Air

A total of four ambient indoor air samples were collected concurrent with sub-slab sample locations, from approximately 3 to 4 feet above the slab floor as detailed in the NYSDOH SVI Guidance. An additional ambient indoor air sample was collected from below the elevator in the elevator shaft, by placing the sample port tubing through the small void between the elevator car and the elevator entrance way. Samples were collected over an 8-hour collection period.

2.4.3 Ambient Outdoor Air

One ambient outdoor sample was collected at an upwind location from approximately 4 to 5 feet above the ground surface. The sample was located along the Chandler Street side of the building, immediately outside of the Buffalo Cider Hall. A second ambient outdoor sample was collected from the roof top, at a central location between the two HVAC units that service the cidery area of the building. The canisters were placed on the roof top, with the HVAC intakes approximately 1 foot above the roof level. The samples were collected over an 8-hour collection period.

All sampling and purging flow rates did not exceed 0.2 liters per minute. Photographs taken during the investigation are included in Appendix F.

2.5 Vapor Intrusion Analytical Results

Vapor intrusion air samples from four sub-slab locations, five ambient indoor air locations and two ambient outdoor locations were submitted to Alpha Analytical Laboratories and analyzed for the presence of VOCs via USEPA Method TO-15. Vapor intrusion sample results from both the March 2022 and June 2022 investigations are summarized on Table 4. The full analytical report from the June 2022 investigation is provided in Appendix D.

The NYSDOH SVI Guidance document lists specific air guideline values (AGV) for limited compounds as presented on Table 3.1 of the NYSDOH document. Table 3.1 applies to both indoor and outdoor ambient air; however NYSDOH does not have specific air guidelines for sub-slab vapor concentrations. The NYSDOH Guidance document also provides “background levels” of a more expanded list of compounds for outdoor air and indoor air within Appendix C of the guidance, Table C2, EPA 2001: Building Assessment and Survey Evaluation (BASE) Database. The 2001 EPA BASE survey consisted of a study of measured concentrations of VOCs from 100 randomly selected public and commercial buildings, however only represents office settings. The NYSDOH guidance indicates that the 90th percentile values from the USEPA BASE data for indoor air for office and commercial buildings can be considered for initial benchmark values; however, where NYSDOH has published an air guideline value for a specific chemical, the air guideline value supersedes the values listed in the USEPA BASE data.

A summary of the detected VOCs concentrations from both the March 2022 and June 2022 investigation applied to the updated decision matrices are included in Table 5. Sample locations exceeding the NYSDOH AGV for PCE and TCE are illustrated on Figure 3. 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/m^3.
  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/m^3, which exceeds the NYSDOH AGV of 2 ug/m^3.

- **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/m^3.
  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/m^3, which exceeds the NYSDOHAGV of 2 ug/m^3.

- **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/m^3.
  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/m^3, which exceeds the NYSDOH AGV of 2 ug/m^3.
  .
- **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.

- **SS-8(061422) (sub-slab)** – Twenty-six (26) compounds were detected above method detection limits. Tetrachloroethene (PCE) was detected at a concentration of 355 ug/m^3, TCE was not detected above laboratory detection limits.
  IA-8(061422) (indoor) – Twelve (12) compounds were detected above method detection limits. PCE was detected at a concentration of 55.9 ug/m^3, which exceeds the 90th percentile for indoor air and the NYSDOH AGV of 30 ug/m^3. No other compounds were detected above air guidance values.

- **SS-11(061422) (sub-slab)** – Twenty-six (26) compounds were detected above method detection limits. TCE was detected at a concentration of 485 ug/m^3, PCE was not detected above laboratory detection limits.
  IA-11(061422) (indoor) – Eleven (11) compounds were detected above method detection limits. PCE was detected at a concentration of 147 ug/m^3, which

exceeds the 90th percentile for indoor air and the NYSDOH AGV of 30 ug/m^3. TCE was not detected above laboratory detection limits. No other compounds were detected above air guidance values.

- **SS-12(061422) (sub-slab)** – Fourteen (14) compounds were detected above method detection limits. TCE was detected at a concentration of 5,800 ug/m^3. Carbon tetrachloride was detected at a concentration of 45,700 ug/m^3. PCE was not detected above laboratory detection limits although this sample was heavily diluted due to the elevated concentrations; therefore laboratory detection limits were high for this particular sample.
  IA-12(061422) (indoor) – Seventeen (17) compounds were detected above method detection limits. Two (2) compounds were detected at levels which exceed the 90th percentile for indoor air including styrene and PCE. PCE was detected at a concentration of 34.6 ug/m^3, which exceeds the 90th percentile for indoor air and the NYSDOH AGV of 30 ug/m^3. TCE was detected at a concentration of 0.989 ug/m^3.

- **SS-13(061422) (sub-slab)** – Nineteen (19) compounds were detected above method detection limits. TCE was detected at a concentration of 16.2 ug/m^3, PCE was not detected above laboratory detection limits.
  IA-13(061422) (indoor) – Seventeen (17) compounds were detected above method detection limits. Two (2) compounds were detected at levels which exceed the 90th percentile for indoor air including acetone and isopropanol. TCE was detected at a concentration of 0.247 ug/m^3, and PCE was detected at a concentration of 0.149 ug/m^3.

- **IA-14(061422) (indoor)** – Twenty-seven (27) compounds were detected above method detection limits. Ten (10) compounds were detected at levels which exceed the 90th percentile for indoor air including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-ethyltoluene, acetone, benzene, ethylbenzene, n-hexane, p/m-xylene, o-Xylene, and Toluene. TCE was detected at a concentration of 0.14 ug/m^3, and PCE was detected at a concentration of 0.712 ug/m^3. It is important to note is that this sample was collected from underneath the elevator car in the elevator shaft where occupancy is not permitted.

- **OA-2(061422) (outdoor)** – Nine (9) compounds were detected above method detection limits. No compounds were detected at a concentration above the 90th percentile for outdoor air.

- **RT-1(061422) (rooftop)** – Eleven (11) compounds were detected above method detection limits. No compounds were detected at a concentration above the 90th percentile for outdoor air. TCE, PCE, and carbon tetrachloride were detected at low levels.

2.6 Vapor Intrusion Sample Decision Matrix

NYSDOH developed decision matrices to provide guidance on a case-by-case basis about 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. The compounds are currently assigned 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)

Analytical testing results for these compounds are presented in Table 5. EA reviewed the decision matrices for each compound. 1,1-DCE, 1,1,1-TCA, and VC were not detected and therefore no further action is needed with regard to these compounds.

TCE – During the March 2022 investigation TCE was detected in all three of the sub-slab samples at concentrations ranging from 7.09 ug/m^3 at SS-9(032922) to 23.4 ug/m^3 at SS-10(032922). TCE was also detected at all three indoor ambient air samples at concentrations ranging from 24.1 ug/m^3 at IA-7(032922) to 39.2 ug/m^3 at IA-10(032922). All three indoor air sample results for TCE were above the NYSDOH AGV of 2 ug/m^3.

During the June 2022 investigation TCE was detected in three of the four sub-slab samples at concentrations ranging from 16.2 ug/m^3 at SS-13(061422) to 5,800 ug/m^3 at SS-12(061422). TCE was also detected at two of the four corresponding indoor ambient air samples at concentrations ranging from 0.247 ug/m^3 at IA-13(061422) to 0.989 ug/m^3 at IA-12(061422). Both indoor air sample results for TCE were below the NYSDOH AGV of 2 ug/m^3.

The decision matrix from the NYSDOH guidance indicates that the SS-7/IA-7, SS-9/IA-9, SS-10/IA-10, and SS-12/IA-12 locations/areas would require mitigation due to the elevated sub-slab and corresponding indoor air concentrations. The SS-13/IA-13 location/area would require further monitoring. The SS-11/IA-11 location/area may possibly require monitoring or mitigation due to the elevated sub-slab concentrations, however the indoor air sample was non-detect for TCE with a reporting limit of 0.107 ug/m^3 due to sample dilution.

cis-DCE – During the March 2022 investigation cis-DCE was detected all three of the indoor air samples at concentrations ranging from 0.369 ug/m^3 at IA-7(032922) to 0.48 ug/m^3 at IA-10(032922); however, cis-DCE was not detected in the sub-slab air samples.

During the June 2022 investigation cis-DCE was detected in one sub-slab air sample SS-11(061422) at a concentration of 1.33 ug/m^3. Cis-DCE was not detected in any of the corresponding indoor air samples.

The decision matrix from the NYSDOH guidance indicates that no further action is needed in these scenarios.

Carbon Tetrachloride - During the March 2022 investigation carbon tetrachloride was detected at all three sub-slab locations at concentrations ranging from 3.12 ug/m^3 at SS-7(032922) to 8.87 ug/m^3 at SS-9(032922) and all three indoor air samples at concentrations ranging from 3.96 ug/m^3 at IA-7(032922) to 8.05 ug/m^3 at IA-9(032922).

During the June 2022 investigation carbon tetrachloride was detected in three of the four sub-slab locations at concentrations ranging from 2.47 ug/m^3 at SS-11(061422) to 45,700 ug/m^3 at SS-12(061422) and all four corresponding indoor air samples at concentrations ranging from 0.37 ug/m^3 at IA-11(061422) to 0.46 ug/m^3 at IA-12(061422).

The decision matrix from the NYSDOH guidance indicates that the SS-9/IA-9 and SS-12/IA-12 locations/areas would require mitigation and the SS-7/IA-7 and SS-10/IA-10 locations/areas would require to Identify Source(s) and Resample or Mitigate.

Methylene Chloride – During the March 2022 investigation methylene chloride (MC) was detected in one sub-slab air sample SS-9(032922) at a concentration of 1.99 ug/m^3. Methylene chloride was not detected in any of the indoor air samples.

During the June 2022 investigation methylene chloride (MC) was detected in one corresponding indoor air sample SS-12(061422) at a concentration of 2.34 ug/m^3. methylene chloride was not detected in any of the sub-slab air samples.

The decision matrix from the NYSDOH guidance indicates that no further action is needed in these scenarios.

PCE – During the March 2022 investigation PCE was detected in one sub-slab sample SS-9(032922) at a concentration of 1.45 ug/m^3. PCE was detected in all three indoor air samples at concentrations ranging from 0.305 ug/m^3 at IA-10(032922) to 0.610 ug/m^3 at IA-9(032922), all of which are below the NYSDOH AGV of 30 ug/m^3.

During the June 2022 investigation PCE was detected in one sub-slab sample SS-8(061422) at a concentration of 355 ug/m^3. PCE was detected in all four corresponding indoor air samples at concentrations ranging from 0.149 ug/m^3 at

IA-13(061422) to 147 ug/m^3 at IA-11(061422). Three of the four indoor air sample results were above the NYSDOH AGV of 30 ug/m^3.

The decision matrix from the NYSDOH guidance indicates that the SS-8/IA-8 location/area would require mitigation and that the SS-11/IA-11 and SS-12/IA-12 locations/areas would require to Identify Source(s) and Resample or Mitigate. The SS-12(061422) sample exhibited elevated laboratory reporting limits due to sample dilution.

2.7 July 2022 Site Screening

Based on the results of the combined March 2022 and June 2022 SVI investigations, a site meeting was scheduled for July 21, 2022 to identify potential areas for mitigation system installation. During the meeting, a previously unidentified segregated area located adjacent to the ODL basement storage area and below the cidery mezzanine event area was discovered. This segregated area appeared to be an inter-wall space, possibly due to the connection of two formerly separate buildings. This segregated area was identified through a 3-inch diameter former piping cutout in the floor in the northeast corner of the cidery mezzanine event area. It should be noted that the mezzanine area floor is not a concrete slab from which a sub-slab sample can be collected, as it is above grade, with the ODL Basement storage area directly underneath. The only access to the identified segregated area is the 3-inch piping cut out from which the area was discovered. Flashlights were used to inspect the segregated area, but no definitive details could be identified. The Department was notified and indoor air sampling was immediately scheduled for July 28, 2022[17].

2.8 Indoor Air Sampling – July 2022

As part of this screening protocol, ambient indoor air samples were collected, as follows. Sub-slab sampling was not able to be completed due to the basement space below the mezzanine and the inability to access the closed off area.

2.8.1 Ambient Indoor Air:

Two (2) ambient indoor air samples were collected from approximately 3 to 4 feet above the floor as detailed in the NYSDOH SVI Guidance. Sample IA-15(072822) was collected by inserting the sample tubing into the segregated space through the 3-inch former piping cutout, and extending down to approximately 5-feet below the ceiling of the closed off room. As this area could not be accessed, no building survey was completed during this screening protocol in the closed off area, and previous building surveys had identified no chemicals of concern in the cidery event area. A second indoor air sample (IA-16(072822) was collected in the cidery mezzanine event area at approximately 3-feet above the floor in the “breathing zone” when the event area is occupied. Samples were collected over an 8-hour collection period.

[17]Mary Szustak (EA) email message to Megan E. Kuczka (DEC), Monday July 25, 2022 4:06 PM.

2.9 Indoor Air Analytical Results – July 2022

Ambient indoor air samples from two locations were submitted to Alpha Analytical Laboratories and analyzed for the presence of VOCs via USEPA Method TO-15. A summary of the detected VOCs concentrations are included in Table 4. Sample locations are illustrated on Figure 4 and Figure 5. Field notes are included in Appendix C, with the full analytical report from the July 2022 sampling provided in Appendix D. Photographs taken during the sampling event are included in Appendix F. Due to the non-compliant nature of the July 2022 samples (collected from an unoccupied, inaccessible space), data validation was not performed on the July 2022 samples as communicated to the Department prior to sampling. A summary of these results for sample locations is as follows:

- **IA-15(072822) (indoor)** – Twenty-four (24) compounds were detected above method detection limits. Nine (9) compounds were detected at levels which exceed the 90th percentile for indoor air including 1,3,5-trimethylbenzene, 4-ethyltoluene, benzene, ethylbenzene, n-hexane, p/m-xylene, 4-methyl-2-pentanone, o-xylene, and toluene. TCE was detected at a concentration of 2.09 ug/m^3, which exceeds the NYSDOH AGV of 2 ug/m^3 and PCE was detected at a concentration of 0.339 ug/m^3. Important to note is that this sample was collected through the 3-inch piping floor cutout in the closed off room where occupancy is not permitted.

- **IA-16(072822) (indoor)** – Thirteen (13) compounds were detected above method detection limits. No compounds were detected at a concentration above the 90th percentile for indoor air. TCE was detected at a concentration of 0.145 ug/m^3, and PCE was detected at a concentration of 0.244 ug/m^3.

2.10 Data Usability Summary

The analytical data from the vapor/air samples collected in March 2022 and June 2022 were submitted for independent review, as requested by NYSDEC. Vali-Data of WNY, LLC, located in Fulton, New York, completed the data usability summary report (DUSR). The DUSR is provided in Appendix E and was prepared using guidance from the USEPA Region 2 Validation Standard Operating Procedures, USEPA National Functional Guidelines for Data Review, and professional judgement. Ambient air and sub-slab vapor samples were collected as described above and were evaluated as described below:

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.

Soil Vapor Intrusion Air Samples June 2022 – Alpha Lab Sample L2231846:

The results for five indoor air samples, four sub-slab air samples, and two 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 Holding Times;
- Sample: DUSR ID#5 (SS-12(061422)/L2231846-05), ID#5D (SS-12(061422)/L2231846-05D2), ID#7 (SS-13(061422)/L2231846-07), ID#8 (IA-13(061422)/L2231846-08), and ID#10 (SS-8(061422)/L2231846-10), were diluted due to high target analyte concentrations;
- All results were recorded to the reporting limits; and
- All holding times were met except the canister for DUSR ID#7 (SS-13(061422)/L2231846-07) was not under pressure upon arrival at the laboratory. All target analytes in this sample should be qualified as estimated.

3.0 PROPOSED CORRECTIVE MEASURES

In consideration of the March 2022 and June 2022 analytical results, EA will likely recommend a sub-slab depressurization (SSD) system be installed as soon as practicable in the basement ODL storage area to mitigate the intrusion of chlorinated hydrocarbon vapors from underneath the slab. Although this basement storage area did not exhibit the highest ambient indoor air results, this area did exhibit the highest sub-slab concentrations for TCE and carbon tetrachloride. EA suspects that organic vapors from this basement area may be intruding into the adjacent Cidery “event area” (SS-11/IA-11, IA-10). Once the basement SSD system is operational, EA recommends additional SVI monitoring throughout the Cidery to determine if additional SSD system(s) may be required to control vapor intrusion. Additional SS/IA samples are tentatively proposed between previous locations SS-11/IA-11 and SS-8/IA-8, where elevated sub-slab concentrations of TCE and PCE have been observed, as well as an additional SS/IA sample in the ODL tenant space closer to the historical SS-5/IA-5 location. During the initial SVI investigation completed in 2017, sample SS-5 was accidently destroyed by heavy equipment during building development activities. During the initial startup of the four current 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 SSD systems were operating effectively[18]. This proposed

[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 2 ug/m^3. 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.

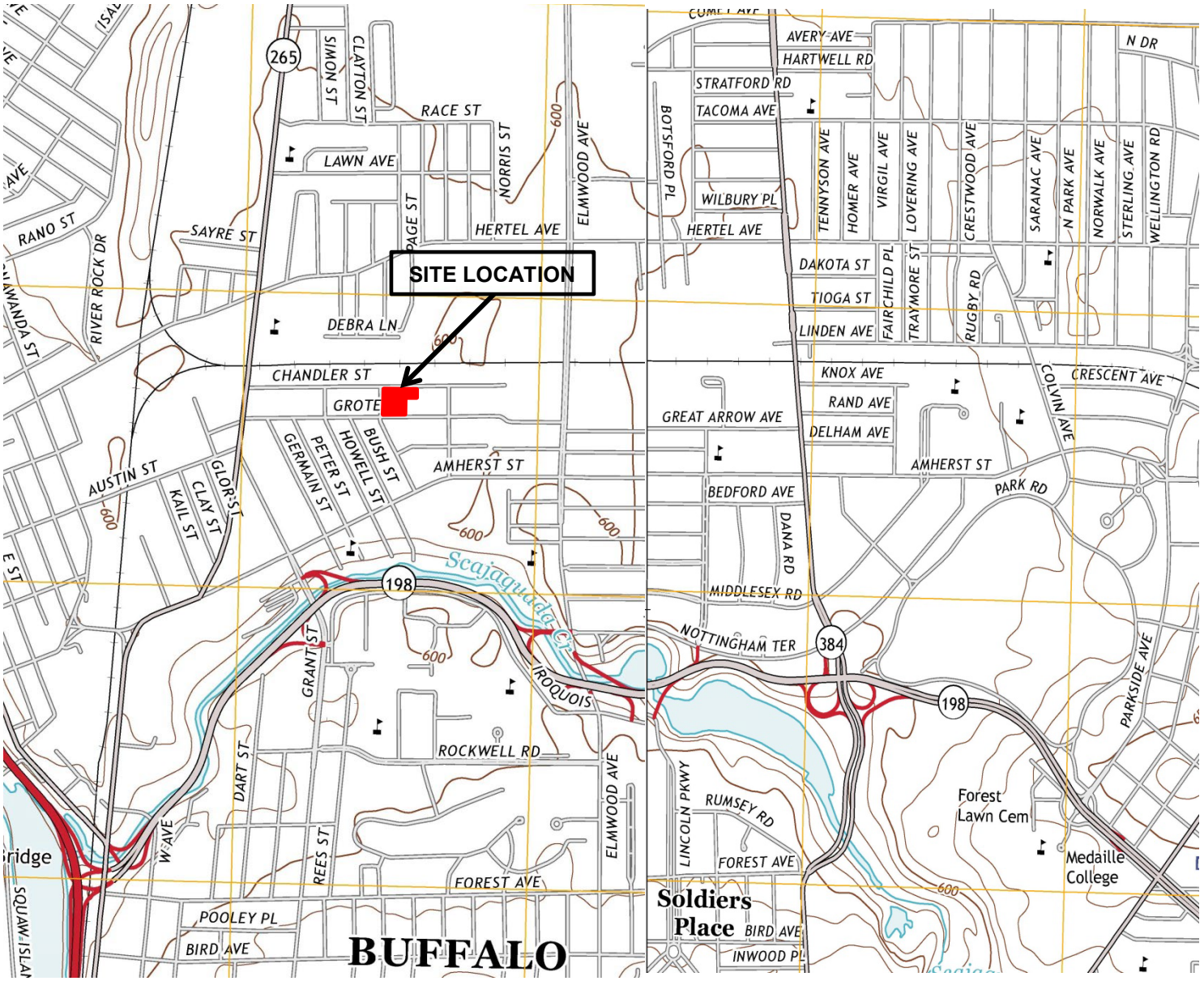
additional sample in the ODL tenant space will be located near the SS-13/IA-13 location/area which requires further monitoring.

The procedures outlined in the March 2022 SVI Investigation Work Plan will be 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 will be followed to the greatest extent possible for this Site, with consideration taken that tracer gas testing is typically used for soil vapor probes and not sub-slab sample points. In this regard, the potential exists that not all of the procedures outlined in Section 2.7.5 will be applicable.

A Corrective Measures Work Plan detailing the design, components, and specifics of the SSD system in the basement ODL storage area (location of SS-12/IA-12) will be drafted by the engineer on record with EA's assistance and forwarded for the Department's review and approval upon its completion. Installation is expected to commence within 15 working days of Department approval. Once installation is complete, the additional sampling effort described above, as well as post-SSD installation sampling, will be scheduled.

APPENDIX A

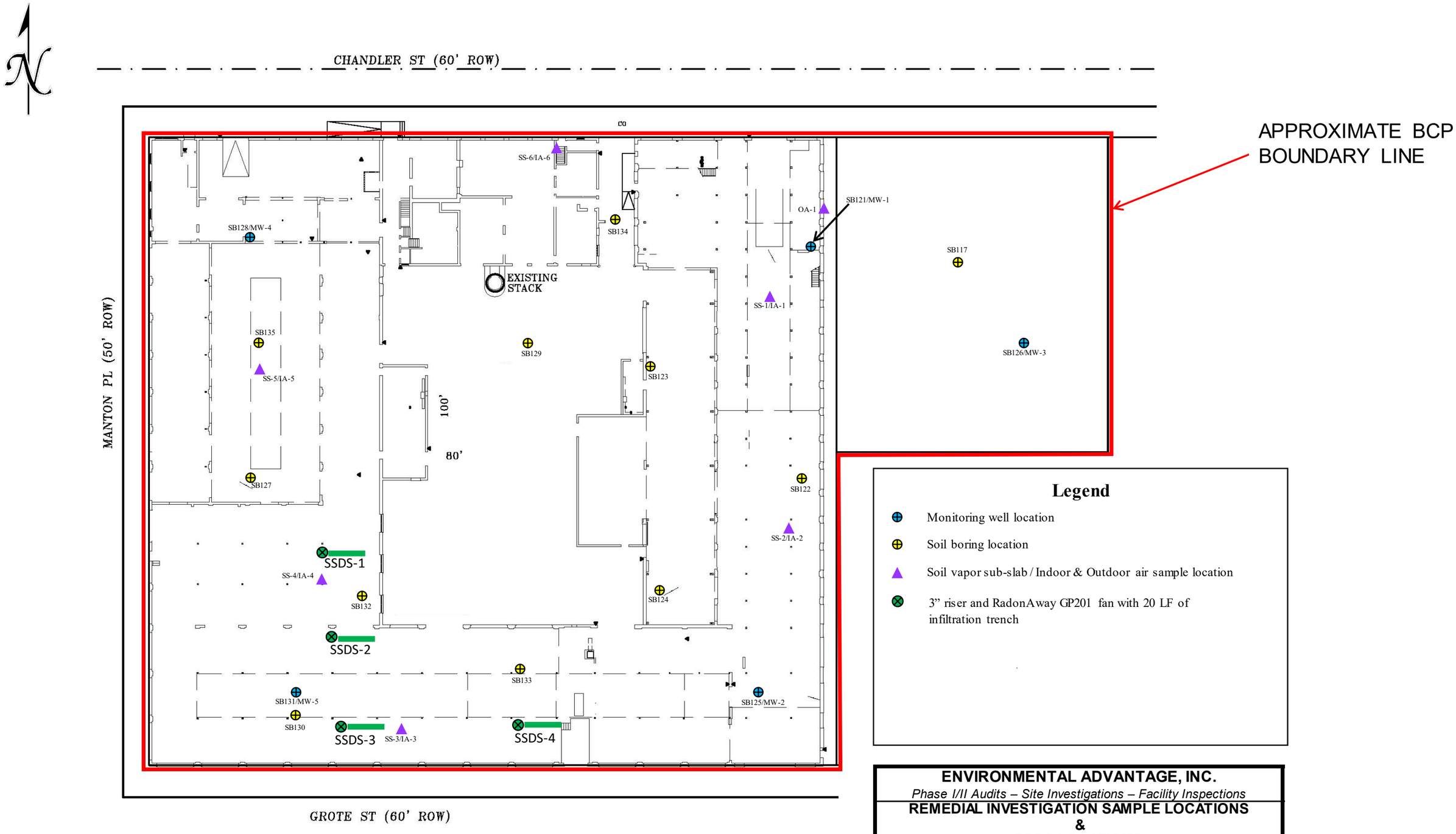
FIGURES



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

N

ENVIRONMENTAL ADVANTAGE, INC.		
Regulatory Compliance – Site Investigations – Facility Inspections		
LOCATION MAP 155 and 157 CHANDLER STREET BUFFALO, NEW YORK		
R & M LEASING LLC BUFFALO, NEW YORK		
DRAWN BY: JK	SCALE: NOT TO SCALE	PROJECT: 01101
CHECKED BY: MS	DATE: 03/22	FIGURE NO: 1



Legend

- Monitoring well location
- Soil boring location
- Soil vapor sub-slab / Indoor & Outdoor air sample location
- 3" riser and RadonAway GP201 fan with 20 LF of infiltration trench

ENVIRONMENTAL ADVANTAGE, INC.

Phase I/II Audits – Site Investigations – Facility Inspections

REMEDIAL INVESTIGATION SAMPLE LOCATIONS
&
SSDS LOCATIONS

155 and 157 CHANDLER STREET
BUFFALO, NEW YORK

R & M LEASING LLC
BUFFALO, NEW YORK

DRAWN BY: SS/MS	SCALE: 1" = 40'	PROJECT: 01101
CHECKED BY: MH	DATE: 06/22	FIGURE NO: 2

N

IA-3

SSDS-4

20'LF

SSDS-3

20'LF

SSDS-2

20'LF

IA-4

SSDS-1

20'LF

IA-2

IA-1

IA-9 TCE
(ug/m^3)
03/29/22 25.5

IA-8 PCE
(ug/m^3)
06/14/22 55.9

IA-10 TCE
(ug/m^3)
03/29/22 39.2

IA-12 PCE
(ug/m^3)
06/14/22 34.6

IA-5 TCE
(ug/m^3)
12/18/18 9.46
12/13/19 4.54

OA-1

IA-8 TCE
(ug/m^3)
12/02/21 18.0

IA-7 TCE
(ug/m^3)
12/02/21 17.5
03/29/22 24.1

IA-13

IA-14

IA-6 TCE
(ug/m^3)
12/12/19 12.0
12/11/20 2.96
02/18/21 2.96
03/31/21 14.0

IA-11 PCE
(ug/m^3)
06/14/22 147

OA-2

Chandler Street

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

Legend

- Indoor Air Sample Location
- Outdoor Air Sample Location
- Basement boundary area below mezzanine floor
- Sub-Slab Depressurization System
- IA-XX XCE — TCE/PCE Exceedances with date and Concentration (ug/m^3)
- 6/14/22 XXX — Results from latest sampling round (June 2022)

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance - Site Investigations - Facility Audits

HISTORIC TCE & PCE EXCEEDANCES OF NYSDOH AIR GUIDELINES FOR INDOOR AIR

155 and 157 CHANDLER STREET

R & M LEASING LLC

BUFFALO, NEW YORK

DRAWN BY: JK CHECKED BY: MS	SCALE: NOT TO SCALE DATE: 06/22	FIGURE 3

N

View of Rooftop above Cider Hall

RT-1(061422)

IA-15(072822)

IA-9(032922)
SS-9(032922)

OA-1(032922)

IDENTIFIED "CLOSED" AREA

IA-7(032922)
SS-7(032922)

IA-12(061422)
SS-12(061422)

CLOSET

IA-13(061422)
SS-13(061422)

CIDERY BAR AREA

RECEPTION AREA

UPPER: MEZZANINE
LOWER: ODL BASEMENT
STORAGE

ELEVATOR

STORAGE
CLOSET

EVENT
AREA

ADDITIONAL SEATING AREA

IA-14(061422)

IA-16(072822)

OA-2(061422)

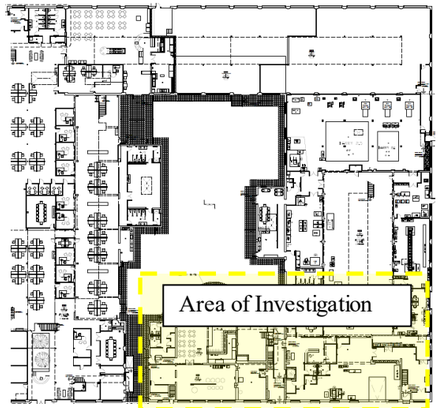
IA-11(061422)
SS-11(061422)

IA-8(061422)
SS-8(061422)

IA-10(032922)
SS-10(032922)

Chandler Street

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



Legend

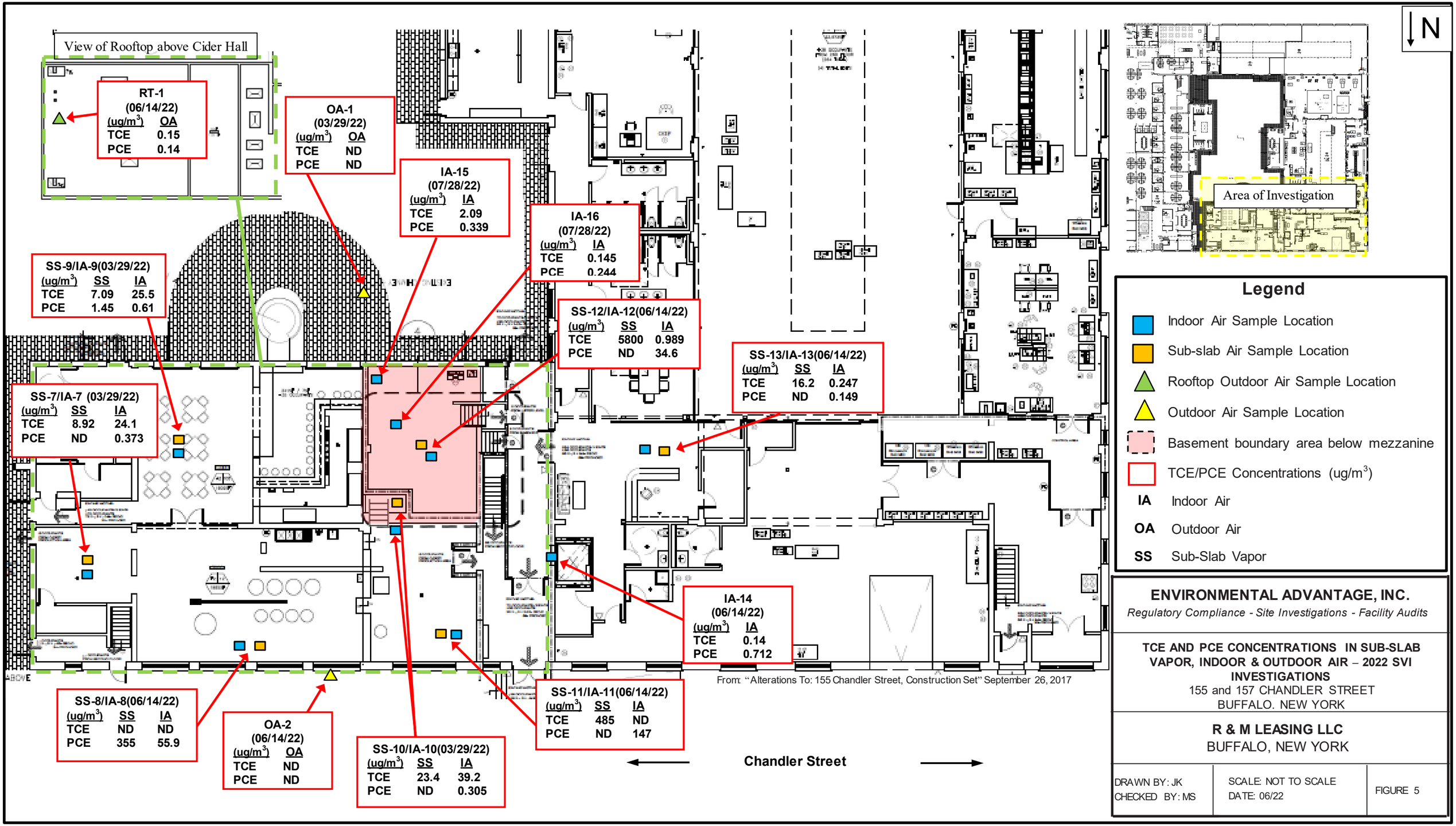
- Indoor Air Sample Location
- Sub-slab Air Sample Location
- Rooftop Outdoor Air Sample Location
- Outdoor Air Sample Location
- Basement boundary area below mezzanine

ENVIRONMENTAL ADVANTAGE, INC.
Regulatory Compliance - Site Investigations - Facility Audits

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 4



ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance - Site Investigations - Facility Audits

TCE AND PCE CONCENTRATIONS IN SUB-SLAB VAPOR, INDOOR & OUTDOOR AIR – 2022 SVI INVESTIGATIONS

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

APPENDIX B

TABLES

Table 1
Soil Vapor Intrusion Analytical Testing Results
155 Chandler Street, Buffalo, NY
September 2017

	Guidance Values- Indoor Air															
Parameter	Table C2 Commercial Indoor Air Background (90%)	NYSDOH Air Guideline Value	SS-1 Sub-Slab	IA-1 Indoor Air	SS-2 Sub-Slab	IA-2 Indoor Air	SS-3 Sub-Slab	IA-3 Indoor Air	SS-4 Sub-Slab	IA-4 Indoor Air	SS-5 Sub-Slab	IA-5 Indoor Air	SS-6 Sub-Slab	IA-6 Indoor Air	OA001 Outdoor Air	Table C2 Outdoor Air Guidance Values
1,1,1-Trichloroethane	20.6		ND	ND	ND	ND	ND	ND	62	ND	Sample destroyed due to construction activity	ND	ND	ND	ND	2.6
1,1-Dichloroethene	<1.4		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	<1.4
1,2,4-Trichlorobenzene	<6.8		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	0.98	<6.4
1,2,4-Trimethylbenzene	9.5		8.4 J	0.88	5.8 J	0.98	47	1.5	7.1	5.9		4.7	5.6 J	75	ND	5.8
1,3,5-Trimethylbenzene	3.7		1.9 J	ND	3.0 J	ND	12	0.54 J	3.2 J	1.9		1.2	1.7 J	31	ND	2.7
2,2,4-trimethylpentane	NV		ND	ND	ND	ND	ND	ND	ND	ND		3.1	ND	ND	0.98	NV
4-ethyltoluene	3.6		2.1 J	ND	3.2 J	ND	13	ND	2.9 J	1.4		1	1.9 J	34	ND	3.0
Acetone	98.9		52	28	230	33	380	49	180	150		40	390	290	30	43.7
Benzene	9.4		4.9	1.1	18	0.89	23	2.9	80	6.3		9.3	110	6.1	1.1	6.6
Bromomethane	<1.7		ND	ND	ND	ND	ND	ND	ND	ND		ND	1.2 J	ND	ND	<1.6
Carbon disulfide	4.2		0.81	ND	4.9	ND	9.0	ND	6.7	ND		ND	25	ND	ND	3.7
Carbon tetrachloride	<1.3		2.0	0.63	ND	0.69	41	0.63	23	0.57		ND	1.4 J	0.63	0.63	0.7
Chloroethane	<1.1		ND	ND	ND	ND	ND	ND	ND	ND		ND	1.1 J	ND	ND	<1.2
Chloroform	1.1		2.5	ND	0.78	ND	35	ND	28	ND		ND	3.5 J	ND	ND	0.6
Chloromethane	3.7		ND	1.3	0.33	1.3	ND	1.4	ND	1.8		1.3	5.9	1.9	1.7	3.7
cis-1,2-Dichloroethene	<1.9		ND	ND	ND	ND	ND	ND	3.3 J	ND		ND	ND	ND	ND	<1.8
Cyclohexane	NV		5.9	ND	39	ND	48	0.52	210	1.4		1.9	610	1.9	0.55	NV
Ethylbenzene	5.7		5.0 J	1.3	7.7 J	2.8	34	2	9.8	2.8		2.3	8.9 J	2.3	1.3	3.5
Freon 11	NV		1.2	1.8	1.6	1.6	1.7	1.5	2.0 J	1.6		1.5	1.5 J	1.5	1.6	NV
Freon 113	NV		ND	ND	ND	ND	ND	ND	0.84 J	ND		ND	ND	ND	ND	NV
Freon 12	NV		2.5	3	2.7	2.9	2.7	2.7	3.0 J	2.6		2.7	2.5 J	2.6	2.7	NV
Heptane	NV		6.8	1.2	78	ND	75	1	410	2.9		3.7	690	3.9	0.98	NV
Hexane	NV		17	2.9	79	14	60	36	560	31		7.4	680	220	6.8	6.4
Isopropyl alcohol	NV		3.9	7.4	4.1	2.2	19	1.1	ND	13		1.9	ND	17	4.9	NV
m&p-Xylene	22.2		18.0 J	4.9	17	3.6	140	7.5	27	12		9.6	27	11	4.7	12.8
Methyl Ethyl Ketone	12		3	2.2	11	4.7	51	23	8.5	47		2.4	18	2	2.2	11.3
Methyl Isobutyl Ketone	NV		ND	0.53 J	ND	0.57 J	ND	ND	ND	ND		ND	ND	ND	ND	NV
Methylene chloride	10	60	2	3	2.9	2.2	2.4	1.6	2.6 J	150		2.5	2.4 J	3.9	1.8	6.1
o-Xylene	7.9		7.1 J	2	6.3	3.6	48	3	8.6	3.9		3.3	9.1 J	6.1	2	4.6
Styrene	1.9		0.51 J	ND	ND	ND	0.47 J	ND	0.77 J	0.81		0.89	ND	0.77	ND	1.3
Tetrachloroethylene	15.9	30	1.3 J	0.75	0.95 J	1	9.7 J	1.2	340	0.95		0.68	ND	0.81	ND	6.5
Tetrahydrofuran	NV		0.53	1.3	0.94	4.7	3.7	40	0.8 J	91		0.85	ND	0.71	1.1	NV
Toluene	43		35	6.2	31	6.3	170	12	110	15		22	110	31	3.9	33.7
trans-1,2-Dichloroethene	NV		ND	ND	ND	ND	ND	ND	2.6 J	ND		ND	ND	ND	ND	NV
Trichloroethene	4.2	2	ND	ND	2.2 J	0.38	730	0.27	3,500	1.7		ND	ND	0.64	ND	1.3
Vinyl chloride	<1.9		ND	ND	ND	ND	ND	ND	ND	ND		ND	0.66 J	ND	ND	<1.8

Notes:

1. Compounds detected in one or more samples included in this table. For a list of all compounds, refer to analytical report in Attachment C of the Final Engineering Report.
2. Analytical testing for VOCs via TO-15 completed by Centek Laboratories in Syracuse, New York.
3. Results present in ug/m^3 or microgram per cubic meter.
4. Samples were collected during a 24-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 Guidance 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.
7. NYSDOH does not currently have standards, criteria or guidance values for concentrations in sub-slab vapor. The detection of VOCs in sub-slab vapor samples does not necessarily indicate soil vapor intrusion is occurring or action should be taken to address exposures.
8. Grey shaded values represent exceedance of table C2 guidance values for Indoor Air; green shaded values represent exceedance of table C2 guidance values for Outdoor Air ; yellow shaded values represent exceedance of NYSDOH Air Guidance Values
9. 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.
10. ND = Non Detect; NV = No Value

Table 2
Soil Vapor Intrusion Decision Matrices - September 2017
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-1/IA-1	TCE	ND	ND	No further action
	cis-DCE	ND	ND	No further action
	1,1-DCE	ND	ND	No further action
	Carbon Tetrachloride	2	0.63	No further action
SS-2/IA-2	TCE	2.2 J	0.38	No further action
	cis-DCE	ND	ND	No further action
	1,1-DCE	ND	ND	No further action
	Carbon Tetrachloride	ND	0.69	No further action
SS-3/IA-3	TCE	730	0.27	Mitigate
	cis-DCE	ND	ND	No further action
	1,1-DCE	ND	ND	No further action
	Carbon Tetrachloride	41	0.63	Monitor
SS-4/IA-4	TCE	3500	1.7	Mitigate
	cis-DCE	3.3 J	ND	No further action
	1,1-DCE	ND	ND	No further action
	Carbon Tetrachloride	23	0.57	Monitor
SS-5/IA-5	TCE	Sample destroyed	ND	No further action
	cis-DCE		ND	No further action
	1,1-DCE		ND	No further action
	Carbon Tetrachloride		ND	No further action
SS-6/IA-6	TCE	ND	0.64	No further action
	cis-DCE	ND	ND	No further action
	1,1-DCE	ND	ND	No further action
	Carbon Tetrachloride	1.4 J	0.63	No further action
Matrix B Methylene Chloride (MC); 1,1,1- Trichloroethane (1,1,1-TCA); Tetrachloroethylene (PCE)				
SS-1/IA-1	MC	2	3	No further action
	1,1,1-TCA	ND	ND	No further action
	PCE	1.3	0.75	No further action
SS-2/IA-2	MC	2.9	2.2	No further action
	1,1,1-TCA	ND	ND	No further action
	PCE	0.95	1.0	No further action
SS-3/IA-3	MC	2.4	1.6	No further action
	1,1,1-TCA	ND	ND	No further action
	PCE	9.7	1.2	No further action
SS-4/IA-4	MC	2.6 J	150	Identify source(s) and Resample or Mitigate
	1,1,1-TCA	62	ND	No further action
	PCE	340	0.95	No further action
SS-5/IA-5	MC	Sample destroyed	2.5	No further action
	1,1,1-TCA		ND	No further action
	PCE		0.68	No further action
SS-6/IA-6	MC	2.4 J	3.9	No further action
	1,1,1-TCA	ND	ND	No further action
	PCE	ND	0.81	No further action
Matrix C Vinyl Chloride (VC)				
SS-1/IA-1	VC	ND	ND	No further action
SS-2/IA-2	VC	ND	ND	No further action
SS-3/IA-3	VC	ND	ND	No further action
SS-4/IA-4	VC	ND	ND	No further action
SS-5/IA-5	VC	Sample destroyed	ND	No further action
SS-6/IA-6	VC	0.66J	ND	No further action

1. Compounds included on NYSDOH Air Matricies included in this table. For a list of all compounds, refer to analytical report included in Attachment C of the Final Engineering Report.

2. Analytical testing for VOCs via TO-15 completed by Centek Laboratories in Syracuse, New York.

3. Results present in ug/m3 or microgram per cubic meter.

4. Samples were collected during an 8-hour sample duration.

5. 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.

6.Yellow shaded values represent Monitoring recommended; Green shaded values represent Resampling to identify source Mitigation recommended; Orange shaded values represent Mitigation recommended.

7. ND = Non Detect

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

LOCATION	Guidance Values - Indoor Air: Table C2 Commercial Indoor Air Background (90%)	Guidance Values - Indoor Air: NYSDOH Air Guideline Value	IA-1					IA-2				IA-3					IA-4					
			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 (121120) 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
SAMPLING DATE			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
LAB SAMPLE ID			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
Volatile Organics in Air (ug/m³)																						
1,1,1-Trichloroethane*	20.6	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene*	<1.4	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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	ND	1.01	1.32	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	4.28	ND	1.58	ND	ND	ND	1.64	ND	ND	ND
Methyl Isobutyl Ketone (4-Methyl-2-	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	3.27	ND	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
Vinyl chloride*	<1.9	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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 (061121) 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	6/11/2021	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/m³)																												
1,1,1-Trichloroethane*	20.6	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	2.6
1,1-Dichloroethene*	<1.4	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	<1.4
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	0.98	ND	ND	ND	ND	<6.4
1,2,4-Trimethylbenzene	9.5	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.09	1.24	ND	ND	1.20	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	ND	0.943	1.36	1.29	ND	ND	1.44	1.47	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	ND	1.34	1.41	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	ND	1.48	1.57	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	ND	3.03	2.63	ND	ND	ND	ND	1.5
Ethylbenzene	5.7	NV	4.73	2	2.03	8.38	8.69	0.986	ND	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	3.5
Heptane	NV	NV	ND	ND	ND	0.906	1.22	ND	ND	2.11	ND	ND	ND	ND	ND	0.971	1.08	2.45	2.28	ND	ND	5	2.73	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-	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	4.24	6.1
o-Xylene	7.9	NV	5.56	2.4	2.44	12.2	12.2	1.20	ND	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	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	ND	1.86	1.55	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
Vinyl chloride*	<1.9	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	NV

Notes:

1. Compounds detected in one or more samples included in this table. For a list of all compounds, refer to analytical report. All NYSDOH Matrix analytes included in this table.
2. Analytical testing for VOCs via TO-15 completed by Alpha Laboratories. * = samples analyzed for volatile organics in air by SIM.
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 NYSDOH. Updated September 2013 and August 2015.
7. No shading represents the samples most previously collected during the 2018-2020 PRR Reporting Periods.
8. Grey shaded values represent exceedance of table C2 guidance values; yellow shaded values represent exceedance of NYSDOH Air Guideline Values.
9. ND = Non Detect; NV = No Value; R1 = Analytical results are from sample re-analysis.
10. **Bolded** = NYSDOH Matrix analytes.
11. RED = Updated as a result of Data Validation.

Environmental Advantage

Table 4
2022 Soil Vapor Intrusion Investigation Analytical Testing Results
Pierce Arrow Business Center
155 Chandler Street, Buffalo, NY

LOCATION	Table C2 Commercial Indoor Air Background (90%)	NYSDOH Air Guideline Value	SS-7 (032922)	IA-7 (032922)	SS-9 (032922)	IA-9 (032922)	SS-10 (032922)	IA-10 (032922)	SS-8 (061422)	IA-8 (061422)	SS-11 (061422)	IA-11 (061422)	SS-12 (061422)	IA-12 (061422)	SS-13 (061422)	IA-13 (061422)	IA-14 (061422)	IA-15 (072822)	IA-16 (072822)	OA-1 (032922)	OA-2 (061422)	RT-1 (061422)	Table C2 Commercial Outdoor Air Background (90%)
SAMPLING DATE			3/29/2022	3/29/2022	3/29/2022	3/29/2022	3/29/2022	3/29/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	7/28/2022	7/28/2022	3/29/2022	6/14/2022	6/14/2022	
LAB SAMPLE ID			L2217738-07	L2217738-06	L2217738-02	L2217738-03	L2217738-04	L2217738-05	L2231846-10	L2231846-09	L2231846-03	L2231846-04	L2231846-05	L2231846-06	L2231846-07	L2231846-08	L2231846- 11	L2240518-01	L2240518-02	L2217738-01	L2231846-01	L2231846-02	
SAMPLE LOCATION			Cidery Storage Closet		Cidery Bar Seating Area		Cidery Stairwel/IEvent Area		Cidery Additional Seating		Cidery Event Area		ODL Basement Storage		ODL Reception Area		Elevator Shaft	Closed Room	Mezzanine	Courtyard	Chandler St.	Rooftop	
Volatile Organics in Air (ug/m3)																							
1,1,1-Trichloroethane*	20.6	NV	ND	ND *	ND	ND *	ND	ND *	ND	ND *	ND	ND *	ND	ND *	ND	ND *	ND *	ND *	ND *	ND *	ND *	ND *	2.6
1,1,2,2-Tetrachloroethane	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
1,1,2-Trichloroethane	<1.5	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1.6
1,1-Dichloroethane	<0.7	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.6
1,1-Dichloroethene*	<1.4	NV	ND	ND *	ND	ND *	ND	ND *	ND	ND *	ND	ND *	ND	ND *	ND	ND *	ND *	ND *	ND *	ND *	ND *	ND *	<1.4
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	<6.4
1,2,4-Trimethylbenzene	9.5	NV	**25.8**	ND	**27.9**	ND	**27.3**	ND	**38.4**	ND	**25.5**	ND	**47.8**	ND	**49.2** J	ND	**48.9**	ND	ND	ND	ND	ND	5.8
1,2-Dibromoethane	<1.5	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1.6
1,2-Dichlorobenzene	<1.2	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1.2
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	<0.8
1,2-Dichloropropane	<1.6	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	**9.88**	ND	**6.78**	ND	ND	ND	**12.9** J	ND	**13**	**6.44**	ND	ND	ND	ND	2.7
1,3-Butadiene	<3.0	NV	ND	ND	ND	ND	**111**	ND	**20.8**	ND	**1.87**	ND	**31.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	<3.4
1,3-Dichlorobenzene	<2.4	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<2.2
1,4-Dichlorobenzene	5.5	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2
1,4-Dioxane	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
2,2,4-Trimethylpentane	NV	NV	ND	ND	**1.59**	ND	ND	ND	ND	ND	**6.73**	ND	ND	ND	ND	ND	**8.69**	**10.6**	ND	ND	ND	ND	NV
3-Chloropropene	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
4-Ethyltoluene	3.6	NV	**6.19**	ND	**7.57**	ND	**9.68**	ND	**9.59**	ND	**7.42**	ND	ND	ND	**12.5** J	ND	**13.8**	**5.65**	ND	ND	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	**347**	**13.8**	**77.4**	**14.5**	ND	**30.4**	**107** J	**1750 R1**	**112**	**37.3**	**26.6**	**3.52** J	**7.98**	**6.51**	43.7
Benzene	9.4	NV	**8.31**	ND	**5.43**	**0.639**	**133**	**0.684**	**47.6**	ND	**16.9**	ND	**78.3**	ND	**20.5** J	ND	**16.8**	**20.7**	ND	ND	ND	ND	6.6
Benzyl chloride	<6.8	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<6.4
Bromodichloromethane	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
Bromoform	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
Bromomethane	<1.7	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1.6
Carbon disulfide	4.2	NV	ND	ND	**3.18**	ND	**135**	ND	**21.5**	ND	**2.03**	ND	195	ND	**28.8** J	ND	**0.9**	**2.29**	ND	ND	ND	ND	3.7
Carbon tetrachloride*	<1.3	NV	**3.12**	**3.96** *	**8.87**	**8.05** *	**4.3**	**5.13** *	**5.64**	**0.453** *	**2.47**	**0.371** *	**45700 R1**	**0.459** *	ND	**0.447** *	**0.428** *	**0.566** *	**0.421** *	**0.566** *	**0.447** *	**0.390** *	0.7
Chlorobenzene	<0.9	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.8
Chloroethane	<1.1	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	**10.5**	ND	**7620**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6
Chloromethane	3.7	NV	ND	**1.24**	ND	**1.21**	**4.44**	**1.23**	**1.21**	**1.19**	**0.543**	**1.14**	ND	**1.16**	ND	**1.14**	**1.11**	**1.05**	**1.29**	**1.11**	**1.08**	**1.1**	3.7
cis-1,2-Dichloroethene*	<1.9	NV	ND	**0.369** *	ND	**0.389** *	ND	**0.48** *	ND	ND *	**1.33**	ND *	ND	ND *	ND	ND *	ND *	ND *	ND *	ND *	ND *	ND *	<1.8
cis-1,3-Dichloropropene	<2.3	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<2.2
Cyclohexane	NV	NV	**8.67**	ND	**5.68**	ND	**235**	ND	**276**	ND	**90.9**	ND	**121**	ND	**399** J	ND	**10.4**	**11.6**	ND	ND	ND	ND	NV
Dibromochloromethane	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
Dichlorodifluoromethane	16.5	NV	**2.57**	**2.69**	**2.73**	**2.69**	**2.6**	**2.7**	**4.65**	**2.54**	**2.36**	**2.52**	ND	**2.94**	**2.45** J	**2.41**	**2.43**	**2.61**	**2.4**	**2.55**	**2.47**	**2.57**	8.1
Ethanol	210	NV	ND	**232**	**14.8**	**209**	**33.9**	**144**	**77.6**	**53.9**	**38.8**	**56**	ND	**72.9**	**124** J	**186**	**70.5**	**89.1**	**152**	ND	**24.7**	**20.2**	57
Ethyl Acetate	5.4	NV	**2.24**	ND	ND	ND	ND	**1.99**	**12.5**	**1.87**	ND	**2.46**	ND	**4.61**	ND	**3.31**	**1.82**	**2.18**	**2.27**	ND	ND	ND	1.5
Ethylbenzene	5.7	NV	**16.5**	ND	**16.5**	ND	**42.6**	ND	**33.4**	ND	**26.5**	ND	**32**	ND	**52.6** J	ND	**39.3**	**15.7**	ND	ND	ND	ND	3.5
Freon-113	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
Freon-114	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
Heptane	NV	NV	**14.3**	ND	**13.1**	**1.13**	**447**	ND	**286**	ND	**59**	ND	**161**	**0.963**	**264** J	**1.8**	**31.3**	**29.6**	ND	ND	ND	ND	NV
Hexachlorobutadiene	<6.8	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<6.4
n-Hexane	10.2	NV	**32.6**	ND	**26.6**	ND	**465**	ND	**441**	**2.18**	**147**	**1.86**	**285**	**2.71**	**356** J	**1.43**	**116**	**148**	**1.03**	ND	**2.03**	**1.28**	6.4
Isopropanol	250	NV	**3.74**	**371**	**8.06**	**237**	**16.8**	**543**	**10.1**	**18.5**	**9.07**	**13.4**	ND	**66.6**	**39.3** J	**1490 R1**	**127**	**16.2**	**116**	**3.79**	**6.69**	**4.82**	16.5
p/m-Xylene	22.2	NV	**79.9**	ND	**79.5**	**1.98**	**175**	ND	**143**	ND	**112**	ND	**145**	ND	**214** J	**3.54**	**170**	**63**	ND	ND	ND	ND	12.8
2-Hexanone	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
2-Butanone	12	NV	**3.27**	**2.01**	**14.2**	ND	**23.2**	ND	**18.6**	ND	**11.1**	ND	ND	**1.97**	**6.28** J	**1.82**	**2.85**	**6.9**	**3.04**	ND	ND	ND	11.3
4-Methyl-2-pentanone	6.0	NV	ND	ND	ND	ND	ND	ND	ND	ND	**3.23**	ND	ND	ND	ND	ND	**4.34**	**9.02**	ND	ND	ND	ND	1.9
Methyl tert butyl ether	11.5	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.2
Methylene chloride	10	60	ND	ND	**1.99**	ND	ND	ND	ND	ND	ND	ND	ND	**2.34**	ND	ND	ND	ND	ND	ND	**3.39**	ND	6.1
o-Xylene	7.9	NV	**25.4**	ND	**26.1**	**1.02**	**44.3**	ND	**46**	ND	**36**	ND	**45.6**	ND	**69.9** J	**1.37**	**55.6**	**23.9**	ND	ND	ND	ND	4.6
Styrene	1.9	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.14**	ND	ND	**1.14**	ND	ND	ND	ND	ND	1.3
Tertiary butyl Alcohol	NV	NV	ND	ND	ND	ND	ND	ND	**19.5**	ND	**2.32**	ND	ND	ND	ND	ND	**1.64**	ND	ND	ND	ND	ND	NV
Tetrachloroethene*	15.9	30	ND	**0.373** *	**1.45**	**0.61** *	ND	**0.305** *	**355**	**55.9** *	ND	**147** *	ND	**34.6** *	ND	**0.149** *	**0.712** *	**0.339** *	**0.244** *	ND *	ND *	**0.136** *	6.5
Tetrahydrofuran	NV	NV	ND	ND	**8.49**	ND	ND	ND	**10.4**	**1.53**	ND	**2.93**	ND	**5.93**	**3.19** J	**1.83**	**1.55**	**3.95**	**1.76**	ND	ND	**1.62**	NV
Toluene	43	NV	**86.3**	**1.56**	**78**	**1.38**	**324**	**1.09**	**234**	**2.51**	**170**	**3.05**	**291**	**7.91**	**206** J	**10.2**	**225**	**132**	**1.44**	ND	**6.44**	**1.2**	33.7
trans-1,2-Dichloroethene	NV	NV	ND	ND	ND	ND	ND	ND	**23.5**	ND	ND	ND	ND	ND	ND	**0.952**	ND	ND	ND	ND	ND	ND	NV
trans-1,3-Dichloropropene	<1.3	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND *	**485**	ND *	**5800**	**0.989** *	**16.2** J	**0.247** *	**0.140** *	**2.09** *	**0.145** *	ND *	ND *	**0.15** *	1.3
Trichlorofluoromethane	18.1	NV	**1.52**	**1.31**	**1.57**	**1.38**	ND	**1.3**	**5.6**	**1.15**	ND	ND	ND	**1.28**	ND	ND	ND	ND	ND	**1.18**	ND	ND	4.3
Vinyl bromide	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
Vinyl chloride*	<1.9	NV	ND	ND *	ND	ND *	ND	ND *	ND	ND *	ND	ND *	ND	ND *	ND	ND *	ND *	ND *	ND *	ND *	ND *	ND *	<1.8

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 Analytical.
3. Results present in ug/m^3 or microgram per cubic meter.
4. Samples were collected during an 8-hour sample duration.
5. 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).
6. 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.
7. Green shaded values represent exceedance of Table C2 commercial background levels; yellow shaded values represent exceedance of NYSDOH Air Guideline Values as updated.
8. ND = Non Detect; NV = No Background/Guideline Value; R1 = Analytical results are from sample re-analysis due to original concentration of analyte exceeding the range of the calibration curve and/or linear range of the instrument; J = Estimated value; the target analyte concentration is below the quantitation (RL), but the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analysis. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
9. * Volatile Organics in Air by SIM
10. 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.
11. RED = Updated as a result of Data Validation.

Environmental Advantage

Table 5
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 (032922)	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 (032922)	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 (032922)	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
SS-8/IA-8 (061422)	TCE	ND	ND	No further action
	cis-DCE	ND	ND	No further action
	1,1-DCE	ND	ND	No further action
	Carbon Tetrachloride	5.64	0.453	No further action
SS-11/IA-11 (061422)	TCE	485	ND	Possible action needed**
	cis-DCE	1.33	ND	No further action
	1,1-DCE	ND	ND	No further action
	Carbon Tetrachloride	2.47	0.371	No further action
SS-12/IA-12 (061422)	TCE	5800	0.989	Mitigate
	cis-DCE	ND	ND	No further action
	1,1-DCE	ND	ND	No further action
	Carbon Tetrachloride	45700	0.459	Mitigate
SS-13/IA-13 (061422)	TCE	16.2 J	0.247	Monitor
	cis-DCE	ND	ND	No further action
	1,1-DCE	ND	ND	No further action
	Carbon Tetrachloride	ND	0.447	No further action
Matrix B Methylene Chloride (MC); 1,1,1- Trichloroethane (1,1,1-TCA); Tetrachloroethylene (PCE)				
SS-7/IA-7 (032922)	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 (032922)	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 (032922)	MC	ND	ND	No further action
	1,1,1-TCA	ND	ND	No further action
	PCE	ND	0.305	No further action
SS-8/IA-8 (061422)	MC	ND	ND	No further action
	1,1,1-TCA	ND	ND	No further action
	PCE	355	55.9	Mitigate
SS-11/IA-11 (061422)	MC	ND	ND	No further action
	1,1,1-TCA	ND	ND	No further action
	PCE	ND	147	Possible action needed***
SS-12/IA-12 (061422)	MC	ND	2.34	No further action
	1,1,1-TCA	ND	ND	No further action
	PCE	ND	34.6	Possible action needed***
SS-13/IA-13 (061422)	MC	ND	ND	No further action
	1,1,1-TCA	ND	ND	No further action
	PCE	ND	0.149	No further action
Matrix C Vinyl Chloride (VC)				
SS-7/IA-7 (032922)	VC	ND	ND	No further action
SS-9/IA-9 (032922)	VC	ND	ND	No further action
SS-10/IA-10 (032922)	VC	ND	ND	No further action
SS-8/IA-8 (061422)	VC	ND	ND	No further action
SS-11/IA-11 (061422)	VC	ND	ND	No further action
SS-12/IA-12 (061422)	VC	ND	ND	No further action
SS-13/IA-13 (061422)	VC	ND	ND	No further action

1. Compounds included on NYSDOH Air Matricies included in this table. For a list of all compounds, refer to analytical reports.
2. Analytical testing for VOCs via TO-15 completed by Alpha Analytical.
3. Results present in ug/m^3 or microgram per cubic meter.
4. Samples were collected during an 8-hour sample duration.
5. 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.
6. Yellow shaed values represent continued Monitoring recommended; green shaded values represent Resampling to identify source Mitigation recommended; orange shaded values represent Mitigation recommended; blue shaded values represent possible action needed.
7. ND = Non Detect

APPENDIX C

FIELD NOTES & BUILDING SURVEY

Site-Wide Inspection Form

Site: 155 Chandler Street Buffalo, NY Date: 6/14/2022

Inspector: Eric Betzold Weather: 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: None.

Notes: EA performed an additional round of SVI within Blackbird Cidery and ODL.

Environmental Advantage

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 CENTER (BLACKBIRD CIDERY + ODL)

Date: 06/14/2022 **Time:** 0830

Structure Address : 155 CHANDLER ST. BUFFALO, NY

Preparer's Name & Affiliation : ERIC BETZOLD, ENVIRONMENTAL CONSULTANT + JASON KRYSZAK PROJECT SCIENTIST

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 & ODL ORTHODONTICS

Owner Name : R&M LEASING **Owner Phone :** ( ) _____ - _____

Secondary Owner Phone : ( ) _____ - _____

Owner Address (if different) : 391 WASHINGTON ST BUFFALO

Occupant Name : 2 COMMERCIAL LEASEES **Occupant Phone :** ( ) _____ - _____

Secondary Occupant Phone : ( ) _____ - _____

Number & Age of All Persons Residing at this Location : APPROX 10 PEOPLE ON SECOND FLOOR

Additional Owner/Occupant Information : N/A

Describe Structure (style, number floors, size) : REFURBISHED INDUSTRIAL USE SPACE INTO MIXED USE SITE, 1-2 STORIES, BRICK EXTERIOR, FLAT ROOF, (85,000 ft²)

Approximate **Year Built :** EARLY 1900s Is the building **Insulated?** ☐ Yes ☐ No

Lowest level : ☐ Slab-on-grade ☒ Basement ☐ Crawlspace

Describe Lowest Level (finishing, use, time spent in space) : SMALL AREA UTALIZED AS STORAGE FOR ODL WITHIN FOOTPRINT OF 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 SEWER, ELECTRIC, WATER, OTHER UTILITY LINES/CONDUITS

Wall Construction : ☒ Concrete Block ☐ Poured Concrete ☐ Laid-Up Stone

Identify any wall penetrations : MULTIPLE OVERHEAD GARAGE DOORS IN BOTH COMMERCIAL SPACES

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.) : ROOFTOP 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 : _____

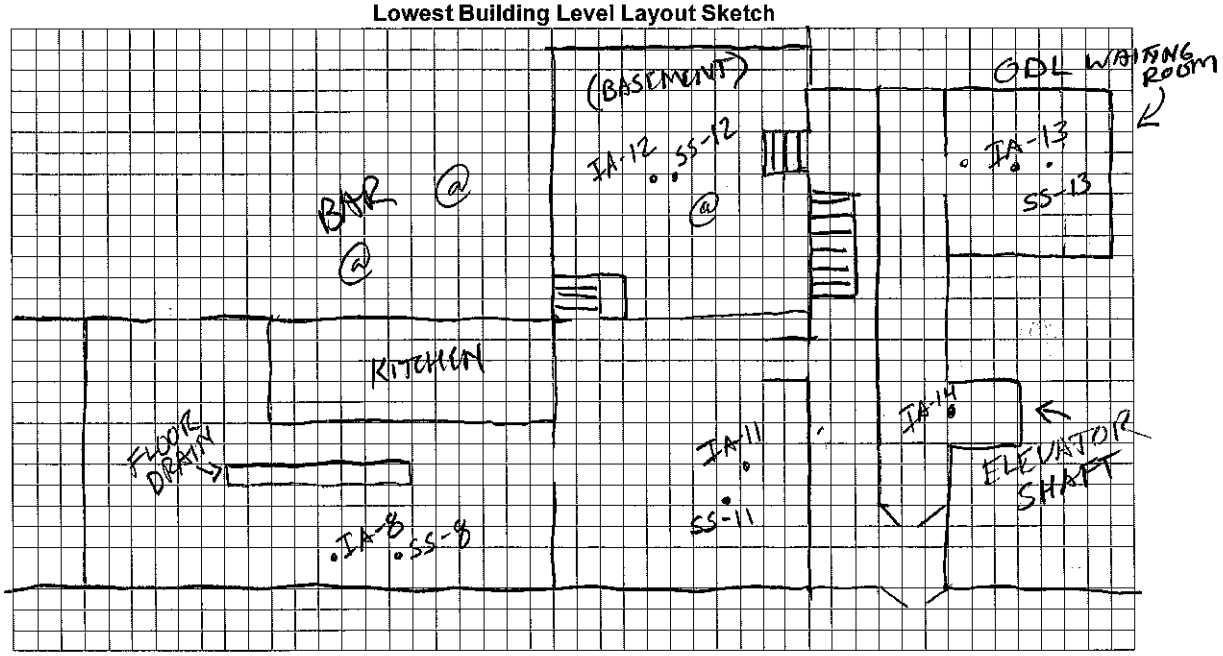
Last time **Dry Cleaned** fabrics brought in ? N/A What / Where ? _____

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

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.

Structure Sampling - Product Inventory

Homeowner Name & Address: R&M LEASING

Date: 6/14/22

Samplers & Company: ERIC BETZOLD & JASON KRYSZAK

Structure ID: C915312

Site Number & Name: PIERCE ARROW BUSINESS CENTRE

Phone Number:

Make & Model of PID: MINI RAE 3000

Date of PID Calibration: 6/13/22

Identify any Changes from Original Building Questionnaire :

Product Name/Description	Quantity	Chemical Ingredients	PID Reading	Location	
WALL PAINT	3	TITANIUM DIOXIDE	ND	WEST DRY STORAGE	✓
ACETONE	1 qt	ACETONE,	ND	"	✓
STRIPPER	1 qt	METHYLENE CHLORIDE	ND	"	✓
BRUSH CLEANER	1 qt	METHANOL, TOLUENE, ACETONE	ND	"	✓
WOOD CLEAN	1 qt	ISOPROPANOL	ND	"	✓
SPRAY PAINT	1 CAN	VOCS	ND	"	✓
STAIN	1 CAN	VOCS	ND	"	✓
BLEACH	1 gal	SODIUM HYPOCHLORITE	ND	KITCHEN	✓
DEGREASER	1 qt	2-BUTOXYETHANOL	ND	"	✓
CARBON OFF	1 qt	2-BUTOXY ETHANOL	ND	"	✓
FLOOR CLEANER	1 gal	ALCOHOLS	ND	"	✓

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-8(061422)

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

Date of Collection: 06/14/2022 Setup Time: 0830 Stop Time: 1630

Sample Depth: 12 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 # 2075 Regulator # 0875

Vacuum Pressure of Canister Prior to Sampling: -27.06

Vacuum Pressure of Canister After Sampling: -7.56

Temperature in Sampling Zone: 70º 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: 22.2 ppm Sample completed in the 'floor trench room' EA encountered an apparent gap 7-inches below the first floor which yielded a PID reading of 22.2ppm. EA continued to drill through the lower slab (5-inches) into the subbase which yielded a PID reading of 6.4ppm. No water was encountered in the subbase.

Sampler's Signature  Date: 06/14/2022

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-8(061422)

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

Date of Collection: 06/14/2022 Setup Time: 0830 Stop Time: 1430

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 # 3244 Regulator # 0966

Vacuum Pressure of Canister Prior to Sampling: -29.50

Vacuum Pressure of Canister After Sampling: -8.86

Temperature in Sampling Zone: 70º 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 the 'floor trench room'

Sampler's Signature  Date: 06/14/2022

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-11(061422)

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

Date of Collection: 06/14/2022 Setup Time: 0825 Stop Time: 1625

Sample Depth: 14 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 # 2246 Regulator # 012997

Vacuum Pressure of Canister Prior to Sampling: -28.55

Vacuum Pressure of Canister After Sampling: -1.05

Temperature in Sampling Zone: 70º 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: 0.1 ppm Sample completed in the event room.

No water was encountered in the subbase.

Sampler's Signature  Date: 06/14/2022

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-11(061422)

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

Date of Collection: 06/14/2022 Setup Time: 0825 Stop Time: 1625

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 # 186 Regulator # 0624

Vacuum Pressure of Canister Prior to Sampling: -29.43"

Vacuum Pressure of Canister After Sampling: -8.69

Temperature in Sampling Zone: 70º 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 the event room.

Sampler's Signature  Date: 06/14/2022

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-12(061422)

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

Date of Collection: 06/14/2022 Setup Time: 0810 Stop Time: 1610

Sample Depth: 8 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 # 539 Regulator # 01369

Vacuum Pressure of Canister Prior to Sampling: -29.55

Vacuum Pressure of Canister After Sampling: -11.16

Temperature in Sampling Zone: 70º 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: 41.0 ppm Sample completed in the ODL basement storage room. Floor drain in basement located 4 feet adjacent too sample location. The drain appeared to be 10” x 10” in size and full of sediment. There is no indication as to where the drain discharges to. No water was encountered in the subbase material.

Sampler’s Signature  Date: 06/14/2022

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-12(061422)

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

Date of Collection: 06/14/2022 Setup Time: 0810 Stop Time: 1610

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 # 2792 Regulator # 0958

Vacuum Pressure of Canister Prior to Sampling: -28.32"

Vacuum Pressure of Canister After Sampling: -3.90

Temperature in Sampling Zone: 70º 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 the ODL basement storage

Floor drain in basement located 4 feet adjacent too sample location. The drain appeared to be

10" x 10" in size and full of sediment. There is no indication as to where the drain discharges to.

Sampler's Signature  Date: 06/14/2022

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-13(061422)

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

Date of Collection: 06/14/2022 Setup Time: 0750 Stop Time: 1550

Sample Depth: 8 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 # 512 Regulator # 01134

Vacuum Pressure of Canister Prior to Sampling: -28.80

Vacuum Pressure of Canister After Sampling: 0.00

Temperature in Sampling Zone: 70º 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: 1.2 ppm Sample completed in the ODL waiting room.

No water was encountered in the subbase material.

Sampler's Signature  Date: 06/14/2022

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-13(061422)

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

Date of Collection: 06/14/2022 Setup Time: 0750 Stop Time: 1550

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 # 3401 Regulator # 02231

Vacuum Pressure of Canister Prior to Sampling: -29.06

Vacuum Pressure of Canister After Sampling: -5.39

Temperature in Sampling Zone: 70º 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 the ODL waiting room.

Sampler's Signature  Date: 06/14/2022

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-14(061422)

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

Date of Collection: 06/14/2022 Setup Time: 0815 Stop Time: 1615

Sample Depth: N/A

Sample Height: See notes

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 # 2692 Regulator # 0204

Vacuum Pressure of Canister Prior to Sampling: -28.50

Vacuum Pressure of Canister After Sampling: -6.97

Temperature in Sampling Zone: 70º 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: 0.0 ppm Sample completed in the elevator shaft. Tubing was connected to the canister was lowered through a gap in the doorway of the elevator. The tubing was approximately 2 feet below the floor of the elevator and sampled the ambient air in the shaft.

Sampler's Signature  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: OA-2(061422)

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

Date of Collection: 06/14/2022 Setup Time: 0715 Stop Time: 1515

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 # 244 Regulator # 01623

Vacuum Pressure of Canister Prior to Sampling: -29.32

Vacuum Pressure of Canister After Sampling: -4.80

Temperature in Sampling Zone: 75º 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:

Wind: East Ambient Air: 0.0ppm

Sampler's Signature  Date: 06/14/2022

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: RT-1(061422)

Sample Type: ☐ Indoor Air (ambient) ■ Roof Top ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 06/14/2022 Setup Time: 0730 Stop Time: 1530

Sample Depth: N/A

Sample Height: 1.5'

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 # 2591 Regulator # 01206

Vacuum Pressure of Canister Prior to Sampling: -29.30

Vacuum Pressure of Canister After Sampling: -4.76

Temperature in Sampling Zone: 75 º 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:

Wind: East Ambient Air: 0.0ppm

Sample was taken on the roof of the cidery at the point of air intake for the HVAC system.

Sampler's Signature  Date: 06/14/2022

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 & Tim Winder

Sample Identification: IA-15(072822)

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

Date of Collection: 07/28/2022 Setup Time: 07:15 Stop Time: 15:15

Sample Depth: 5' down into closed off room

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 # 2248 Regulator # 0929

Vacuum Pressure of Canister Prior to Sampling: -29.16"

Vacuum Pressure of Canister After Sampling: _____

Temperature in Sampling Zone: 70º 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

Suction tube connected into "hidden basement room", below Blackbird Cidery

Sampler's Signature  Date: 07/28/2022

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 & Tim Winder

Sample Identification: IA-16(072822)

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

Date of Collection: 07/28/2022 Setup Time: 08:20 Stop Time: 15:20

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 # 2313 Regulator # 0836

Vacuum Pressure of Canister Prior to Sampling: -29.38"

Vacuum Pressure of Canister After Sampling: _____

Temperature in Sampling Zone: 70º 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 the upper mezzanine area of Blackbird Cidery

Sampler's Signature  Date: 07/28/2022

APPENDIX D

LABRATORY ANALYITICAL REPORTS

ANALYTICAL REPORT

Lab Number:	L2231846
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	NYSDEC VIM STUDY JUNE 2022
Project Number:	01101
Report Date:	06/27/22

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 JUNE 2022
Project Number: 01101

Lab Number: L2231846
Report Date: 06/27/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2231846-01	OA-2 (061422)	AIR	155 CHANDLER ST BUFFALO NY	06/14/22 15:15	06/14/22
L2231846-02	RT-1 (061422)	AIR	155 CHANDLER ST BUFFALO NY	06/14/22 15:30	06/14/22
L2231846-03	SS-11 (061422)	SOIL_VAPOR	155 CHANDLER ST BUFFALO NY	06/14/22 16:25	06/14/22
L2231846-04	IA-11 (061422)	AIR	155 CHANDLER ST BUFFALO NY	06/14/22 16:25	06/14/22
L2231846-05	SS-12 (061422)	SOIL_VAPOR	155 CHANDLER ST BUFFALO NY	06/14/22 16:10	06/14/22
L2231846-06	IA-12 (061422)	AIR	155 CHANDLER ST BUFFALO NY	06/14/22 16:10	06/14/22
L2231846-07	SS-13 (061422)	SOIL_VAPOR	155 CHANDLER ST BUFFALO NY	06/14/22 15:50	06/14/22
L2231846-08	IA-13 (061422)	AIR	155 CHANDLER ST BUFFALO NY	06/14/22 15:50	06/14/22
L2231846-09	IA-8 (061422)	AIR	155 CHANDLER ST BUFFALO NY	06/14/22 16:30	06/14/22
L2231846-10	SS-8 (061422)	SOIL_VAPOR	155 CHANDLER ST BUFFALO NY	06/14/22 16:30	06/14/22
L2231846-11	IA-14 (061422)	AIR	155 CHANDLER ST BUFFALO NY	06/14/22 16:15	06/14/22

Project Name:	NYSDEC VIM STUDY JUNE 2022	**Lab Number:**	L2231846
Project Number:	01101	**Report Date:**	06/27/22

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 JUNE 2022 **Lab Number:** L2231846
Project Number: 01101 **Report Date:** 06/27/22

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 1 and 3, 2022. The canister certification results are provided as an addendum.

Sample Receipt

The canister ID number for the sample designated SS-11 (061422) (L2231846-03) is listed on the CoC as 2246 but should be 2248.

L2231846-05D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2231846-05D2: The sample was 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.

L2231846-07D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2231846-08D: The sample was 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.

L2231846-10D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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: 06/27/22

AIR

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101
Lab Number: L2231846
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-01
Client ID: OA-2 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 15:15
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/23/22 21:01
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.499	0.200	--	2.47	0.989	--		1
Chloromethane	0.524	0.200	--	1.08	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	13.1	5.00	--	24.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.36	1.00	--	7.98	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	2.72	0.500	--	6.69	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.976	0.500	--	3.39	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 JUNE 2022
Project Number: 01101
Lab Number: L2231846
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-01
Client ID: OA-2 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 15:15
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.576	0.200	--	2.03	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	1.71	0.200	--	6.44	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 JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-01
Client ID: OA-2 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 15:15
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	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	104		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-01
Client ID: OA-2 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 15:15
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/23/22 21:01
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.071	0.020	--	0.447	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	100		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	103		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-02
Client ID: RT-1 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 15:30
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/24/22 00:55
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.519	0.200	--	2.57	0.989	--		1
Chloromethane	0.531	0.200	--	1.10	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	10.7	5.00	--	20.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.74	1.00	--	6.51	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	1.96	0.500	--	4.82	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	0.549	0.500	--	1.62	1.47	--		1

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101
Lab Number: L2231846
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-02
Client ID: RT-1 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 15:30
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.364	0.200	--	1.28	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	0.318	0.200	--	1.20	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 JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-02
Client ID: RT-1 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 15:30
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	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	101		60-140
chlorobenzene-d5	106		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-02
Client ID: RT-1 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 15:30
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/24/22 00:55
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.062	0.020	--	0.390	0.126	--		1
Trichloroethene	0.028	0.020	--	0.150	0.107	--		1
Tetrachloroethene	0.020	0.020	--	0.136	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	104		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101
Lab Number: L2231846
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-03
Client ID: SS-11 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:25
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/24/22 04:50
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.477	0.200	--	2.36	0.989	--		1
Chloromethane	0.263	0.200	--	0.543	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.844	0.200	--	1.87	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	20.6	5.00	--	38.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	32.6	1.00	--	77.4	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	3.69	0.500	--	9.07	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.766	0.500	--	2.32	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.651	0.200	--	2.03	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	3.76	0.500	--	11.1	1.47	--		1
cis-1,2-Dichloroethene	0.336	0.200	--	1.33	0.793	--		1

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101
Lab Number: L2231846
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-03
Client ID: SS-11 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:25
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	2.16	0.200	--	10.5	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	41.6	0.200	--	147	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	5.28	0.200	--	16.9	0.639	--		1
Carbon tetrachloride	0.393	0.200	--	2.47	1.26	--		1
Cyclohexane	26.4	0.200	--	90.9	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	90.2	0.200	--	485	1.07	--		1
2,2,4-Trimethylpentane	1.44	0.200	--	6.73	0.934	--		1
Heptane	14.4	0.200	--	59.0	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.789	0.500	--	3.23	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	45.0	0.200	--	170	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	6.10	0.200	--	26.5	0.869	--		1

Project Name: NYSDEC VIM STUDY JUNE 2022 **Lab Number:** L2231846

Project Number: 01101 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-03
Client ID: SS-11 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:25
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	25.8	0.400	--	112	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	8.29	0.200	--	36.0	0.869	--		1
4-Ethyltoluene	1.51	0.200	--	7.42	0.983	--		1
1,3,5-Trimethylbenzene	1.38	0.200	--	6.78	0.983	--		1
1,2,4-Trimethylbenzene	5.19	0.200	--	25.5	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	105		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-04
Client ID: IA-11 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:25
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/24/22 01:34
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.509	0.200	--	2.52	0.989	--		1
Chloromethane	0.552	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	29.7	5.00	--	56.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.11	1.00	--	14.5	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	5.46	0.500	--	13.4	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	0.683	0.500	--	2.46	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.994	0.500	--	2.93	1.47	--		1

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101
Lab Number: L2231846
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-04
Client ID: IA-11 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:25
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.528	0.200	--	1.86	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	0.809	0.200	--	3.05	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 JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-04
Client ID: IA-11 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:25
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	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	101		60-140
chlorobenzene-d5	103		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-04
Client ID: IA-11 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:25
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/24/22 01:34
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.059	0.020	--	0.371	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	21.7	0.020	--	147	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	103		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101
Lab Number: L2231846
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-05 D
Client ID: SS-12 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:10
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/24/22 05:26
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	3.17	--	ND	15.7	--		15.85
Chloromethane	ND	3.17	--	ND	6.55	--		15.85
Freon-114	ND	3.17	--	ND	22.2	--		15.85
Vinyl chloride	ND	3.17	--	ND	8.10	--		15.85
1,3-Butadiene	14.4	3.17	--	31.9	7.01	--		15.85
Bromomethane	ND	3.17	--	ND	12.3	--		15.85
Chloroethane	ND	3.17	--	ND	8.37	--		15.85
Ethanol	ND	79.2	--	ND	149	--		15.85
Vinyl bromide	ND	3.17	--	ND	13.9	--		15.85
Acetone	ND	15.8	--	ND	37.5	--		15.85
Trichlorofluoromethane	ND	3.17	--	ND	17.8	--		15.85
Isopropanol	ND	7.92	--	ND	19.5	--		15.85
1,1-Dichloroethene	ND	3.17	--	ND	12.6	--		15.85
Tertiary butyl Alcohol	ND	7.92	--	ND	24.0	--		15.85
Methylene chloride	ND	7.92	--	ND	27.5	--		15.85
3-Chloropropene	ND	3.17	--	ND	9.92	--		15.85
Carbon disulfide	62.6	3.17	--	195	9.87	--		15.85
Freon-113	ND	3.17	--	ND	24.3	--		15.85
trans-1,2-Dichloroethene	ND	3.17	--	ND	12.6	--		15.85
1,1-Dichloroethane	ND	3.17	--	ND	12.8	--		15.85
Methyl tert butyl ether	ND	3.17	--	ND	11.4	--		15.85
2-Butanone	ND	7.92	--	ND	23.4	--		15.85
cis-1,2-Dichloroethene	ND	3.17	--	ND	12.6	--		15.85

Project Name: NYSDEC VIM STUDY JUNE 2022 **Lab Number:** L2231846

Project Number: 01101 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-05 D
Client ID: SS-12 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:10
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	7.92	--	ND	28.5	--		15.85
Chloroform	1560	3.17	--	7620	15.5	--		15.85
Tetrahydrofuran	ND	7.92	--	ND	23.4	--		15.85
1,2-Dichloroethane	ND	3.17	--	ND	12.8	--		15.85
n-Hexane	81.0	3.17	--	285	11.2	--		15.85
1,1,1-Trichloroethane	ND	3.17	--	ND	17.3	--		15.85
Benzene	24.5	3.17	--	78.3	10.1	--		15.85
Carbon tetrachloride	5930	3.17	--	37300	19.9	--	E	15.85
Cyclohexane	35.2	3.17	--	121	10.9	--		15.85
1,2-Dichloropropane	ND	3.17	--	ND	14.7	--		15.85
Bromodichloromethane	ND	3.17	--	ND	21.2	--		15.85
1,4-Dioxane	ND	3.17	--	ND	11.4	--		15.85
Trichloroethene	1080	3.17	--	5800	17.0	--		15.85
2,2,4-Trimethylpentane	ND	3.17	--	ND	14.8	--		15.85
Heptane	39.2	3.17	--	161	13.0	--		15.85
cis-1,3-Dichloropropene	ND	3.17	--	ND	14.4	--		15.85
4-Methyl-2-pentanone	ND	7.92	--	ND	32.5	--		15.85
trans-1,3-Dichloropropene	ND	3.17	--	ND	14.4	--		15.85
1,1,2-Trichloroethane	ND	3.17	--	ND	17.3	--		15.85
Toluene	77.3	3.17	--	291	11.9	--		15.85
2-Hexanone	ND	3.17	--	ND	13.0	--		15.85
Dibromochloromethane	ND	3.17	--	ND	27.0	--		15.85
1,2-Dibromoethane	ND	3.17	--	ND	24.4	--		15.85
Tetrachloroethene	ND	3.17	--	ND	21.5	--		15.85
Chlorobenzene	ND	3.17	--	ND	14.6	--		15.85
Ethylbenzene	7.37	3.17	--	32.0	13.8	--		15.85

Project Name: NYSDEC VIM STUDY JUNE 2022 **Lab Number:** L2231846

Project Number: 01101 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-05 D
Client ID: SS-12 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:10
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	33.3	6.34	--	145	27.5	--		15.85
Bromoform	ND	3.17	--	ND	32.8	--		15.85
Styrene	ND	3.17	--	ND	13.5	--		15.85
1,1,2,2-Tetrachloroethane	ND	3.17	--	ND	21.8	--		15.85
o-Xylene	10.5	3.17	--	45.6	13.8	--		15.85
4-Ethyltoluene	ND	3.17	--	ND	15.6	--		15.85
1,3,5-Trimethylbenzene	ND	3.17	--	ND	15.6	--		15.85
1,2,4-Trimethylbenzene	9.73	3.17	--	47.8	15.6	--		15.85
Benzyl chloride	ND	3.17	--	ND	16.4	--		15.85
1,3-Dichlorobenzene	ND	3.17	--	ND	19.1	--		15.85
1,4-Dichlorobenzene	ND	3.17	--	ND	19.1	--		15.85
1,2-Dichlorobenzene	ND	3.17	--	ND	19.1	--		15.85
1,2,4-Trichlorobenzene	ND	3.17	--	ND	23.5	--		15.85
Hexachlorobutadiene	ND	3.17	--	ND	33.8	--		15.85

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

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101
Lab Number: L2231846
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-05 D2
Client ID: SS-12 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:10
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/24/22 09:27
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Carbon tetrachloride	7270	22.2	--	45700	140	--		111.1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	103		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	97		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022 **Lab Number:** L2231846

Project Number: 01101 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-06
Client ID: IA-12 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:10
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/24/22 02:13
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.595	0.200	--	2.94	0.989	--		1
Chloromethane	0.562	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	38.7	5.00	--	72.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	12.8	1.00	--	30.4	2.38	--		1
Trichlorofluoromethane	0.228	0.200	--	1.28	1.12	--		1
Isopropanol	27.1	0.500	--	66.6	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.673	0.500	--	2.34	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	0.669	0.500	--	1.97	1.47	--		1
Ethyl Acetate	1.28	0.500	--	4.61	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	2.01	0.500	--	5.93	1.47	--		1

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101
Lab Number: L2231846
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-06
Client ID: IA-12 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:10
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.769	0.200	--	2.71	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	0.235	0.200	--	0.963	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	2.10	0.200	--	7.91	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	0.502	0.200	--	2.14	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 JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-06
Client ID: IA-12 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:10
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	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	103		60-140
chlorobenzene-d5	107		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-06
Client ID: IA-12 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:10
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/24/22 02:13
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	0.184	0.020	--	0.989	0.107	--		1
Tetrachloroethene	5.10	0.020	--	34.6	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	100		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	106		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022 **Lab Number:** L2231846

Project Number: 01101 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-07 D
Client ID: SS-13 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 15:50
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/24/22 08:51
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.496	0.400	--	2.45	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	66.0	10.0	--	124	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	45.0	2.00	--	107	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	16.0	1.00	--	39.3	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	ND	1.00	--	ND	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	9.26	0.400	--	28.8	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	2.13	1.00	--	6.28	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2

Project Name: NYSDEC VIM STUDY JUNE 2022 **Lab Number:** L2231846

Project Number: 01101 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-07 D
Client ID: SS-13 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 15:50
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2
Chloroform	ND	0.400	--	ND	1.95	--		2
Tetrahydrofuran	1.08	1.00	--	3.19	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	101	0.400	--	356	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	6.43	0.400	--	20.5	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	116	0.400	--	399	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	3.01	0.400	--	16.2	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	64.3	0.400	--	264	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	54.6	0.400	--	206	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	ND	0.400	--	ND	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	12.1	0.400	--	52.6	1.74	--		2

Project Name: NYSDEC VIM STUDY JUNE 2022 **Lab Number:** L2231846

Project Number: 01101 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-07 D
Client ID: SS-13 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 15:50
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	49.2	0.800	--	214	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	16.1	0.400	--	69.9	1.74	--		2
4-Ethyltoluene	2.55	0.400	--	12.5	1.97	--		2
1,3,5-Trimethylbenzene	2.62	0.400	--	12.9	1.97	--		2
1,2,4-Trimethylbenzene	10.0	0.400	--	49.2	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	104		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	108		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-08
Client ID: IA-13 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 15:50
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/24/22 02:52
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.488	0.200	--	2.41	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	98.7	5.00	--	186	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	638	1.00	--	1520	2.38	--	E	1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	540	0.500	--	1330	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	0.240	0.200	--	0.952	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	0.618	0.500	--	1.82	1.47	--		1
Ethyl Acetate	0.918	0.500	--	3.31	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.619	0.500	--	1.83	1.47	--		1

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101
Lab Number: L2231846
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-08
Client ID: IA-13 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 15:50
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.406	0.200	--	1.43	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	0.440	0.200	--	1.80	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	2.71	0.200	--	10.2	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	0.815	0.400	--	3.54	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	0.315	0.200	--	1.37	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 JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-08
Client ID: IA-13 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 15:50
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	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	102		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	107		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-08
Client ID: IA-13 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 15:50
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/24/22 02:52
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.071	0.020	--	0.447	0.126	--		1
Trichloroethene	0.046	0.020	--	0.247	0.107	--		1
Tetrachloroethene	0.022	0.020	--	0.149	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	101		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	106		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-08 D
Client ID: IA-13 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 15:50
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/24/22 08:14
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Acetone	738	5.00	--	1750	11.9	--		5
Isopropanol	605	2.50	--	1490	6.15	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	99		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	104		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-09
Client ID: IA-8 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:30
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/24/22 03:32
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.514	0.200	--	2.54	0.989	--		1
Chloromethane	0.575	0.200	--	1.19	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	28.6	5.00	--	53.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.81	1.00	--	13.8	2.38	--		1
Trichlorofluoromethane	0.205	0.200	--	1.15	1.12	--		1
Isopropanol	7.51	0.500	--	18.5	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	0.519	0.500	--	1.87	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.520	0.500	--	1.53	1.47	--		1

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101
Lab Number: L2231846
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-09
Client ID: IA-8 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:30
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.618	0.200	--	2.18	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	0.666	0.200	--	2.51	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 JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-09
Client ID: IA-8 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:30
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	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	100		60-140
chlorobenzene-d5	105		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022 **Lab Number:** L2231846

Project Number: 01101 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-09
Client ID: IA-8 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:30
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/24/22 03:32
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.072	0.020	--	0.453	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	8.24	0.020	--	55.9	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	103		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101
Lab Number: L2231846
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-10 D
Client ID: SS-8 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:30
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/24/22 06:39
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.940	0.385	--	4.65	1.90	--		1.923
Chloromethane	0.584	0.385	--	1.21	0.795	--		1.923
Freon-114	ND	0.385	--	ND	2.69	--		1.923
Vinyl chloride	ND	0.385	--	ND	0.984	--		1.923
1,3-Butadiene	9.42	0.385	--	20.8	0.852	--		1.923
Bromomethane	ND	0.385	--	ND	1.49	--		1.923
Chloroethane	ND	0.385	--	ND	1.02	--		1.923
Ethanol	41.2	9.62	--	77.6	18.1	--		1.923
Vinyl bromide	ND	0.385	--	ND	1.68	--		1.923
Acetone	146	1.92	--	347	4.56	--		1.923
Trichlorofluoromethane	0.996	0.385	--	5.60	2.16	--		1.923
Isopropanol	4.10	0.962	--	10.1	2.36	--		1.923
1,1-Dichloroethene	ND	0.385	--	ND	1.53	--		1.923
Tertiary butyl Alcohol	6.43	0.962	--	19.5	2.92	--		1.923
Methylene chloride	ND	0.962	--	ND	3.34	--		1.923
3-Chloropropene	ND	0.385	--	ND	1.21	--		1.923
Carbon disulfide	6.90	0.385	--	21.5	1.20	--		1.923
Freon-113	ND	0.385	--	ND	2.95	--		1.923
trans-1,2-Dichloroethene	5.93	0.385	--	23.5	1.53	--		1.923
1,1-Dichloroethane	ND	0.385	--	ND	1.56	--		1.923
Methyl tert butyl ether	ND	0.385	--	ND	1.39	--		1.923
2-Butanone	6.32	0.962	--	18.6	2.84	--		1.923
cis-1,2-Dichloroethene	ND	0.385	--	ND	1.53	--		1.923

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101
Lab Number: L2231846
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-10 D
Client ID: SS-8 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:30
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	3.48	0.962	--	12.5	3.47	--		1.923
Chloroform	ND	0.385	--	ND	1.88	--		1.923
Tetrahydrofuran	3.53	0.962	--	10.4	2.84	--		1.923
1,2-Dichloroethane	ND	0.385	--	ND	1.56	--		1.923
n-Hexane	125	0.385	--	441	1.36	--		1.923
1,1,1-Trichloroethane	ND	0.385	--	ND	2.10	--		1.923
Benzene	14.9	0.385	--	47.6	1.23	--		1.923
Carbon tetrachloride	0.896	0.385	--	5.64	2.42	--		1.923
Cyclohexane	80.3	0.385	--	276	1.33	--		1.923
1,2-Dichloropropane	ND	0.385	--	ND	1.78	--		1.923
Bromodichloromethane	ND	0.385	--	ND	2.58	--		1.923
1,4-Dioxane	ND	0.385	--	ND	1.39	--		1.923
Trichloroethene	ND	0.385	--	ND	2.07	--		1.923
2,2,4-Trimethylpentane	ND	0.385	--	ND	1.80	--		1.923
Heptane	69.7	0.385	--	286	1.58	--		1.923
cis-1,3-Dichloropropene	ND	0.385	--	ND	1.75	--		1.923
4-Methyl-2-pentanone	ND	0.962	--	ND	3.94	--		1.923
trans-1,3-Dichloropropene	ND	0.385	--	ND	1.75	--		1.923
1,1,2-Trichloroethane	ND	0.385	--	ND	2.10	--		1.923
Toluene	62.2	0.385	--	234	1.45	--		1.923
2-Hexanone	ND	0.385	--	ND	1.58	--		1.923
Dibromochloromethane	ND	0.385	--	ND	3.28	--		1.923
1,2-Dibromoethane	ND	0.385	--	ND	2.96	--		1.923
Tetrachloroethene	52.3	0.385	--	355	2.61	--		1.923
Chlorobenzene	ND	0.385	--	ND	1.77	--		1.923
Ethylbenzene	7.69	0.385	--	33.4	1.67	--		1.923

Project Name: NYSDEC VIM STUDY JUNE 2022 **Lab Number:** L2231846

Project Number: 01101 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-10 D
Client ID: SS-8 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:30
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	33.0	0.769	--	143	3.34	--		1.923
Bromoform	ND	0.385	--	ND	3.98	--		1.923
Styrene	ND	0.385	--	ND	1.64	--		1.923
1,1,2,2-Tetrachloroethane	ND	0.385	--	ND	2.64	--		1.923
o-Xylene	10.6	0.385	--	46.0	1.67	--		1.923
4-Ethyltoluene	1.95	0.385	--	9.59	1.89	--		1.923
1,3,5-Trimethylbenzene	2.01	0.385	--	9.88	1.89	--		1.923
1,2,4-Trimethylbenzene	7.82	0.385	--	38.4	1.89	--		1.923
Benzyl chloride	ND	0.385	--	ND	1.99	--		1.923
1,3-Dichlorobenzene	ND	0.385	--	ND	2.31	--		1.923
1,4-Dichlorobenzene	ND	0.385	--	ND	2.31	--		1.923
1,2-Dichlorobenzene	ND	0.385	--	ND	2.31	--		1.923
1,2,4-Trichlorobenzene	ND	0.385	--	ND	2.86	--		1.923
Hexachlorobutadiene	ND	0.385	--	ND	4.11	--		1.923

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	105		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-11
Client ID: IA-14 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:15
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/24/22 04:11
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.491	0.200	--	2.43	0.989	--		1
Chloromethane	0.538	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	37.4	5.00	--	70.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	47.0	1.00	--	112	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	51.5	0.500	--	127	1.23	--		1
Tertiary butyl Alcohol	0.542	0.500	--	1.64	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.289	0.200	--	0.900	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	0.966	0.500	--	2.85	1.47	--		1
Ethyl Acetate	0.506	0.500	--	1.82	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.526	0.500	--	1.55	1.47	--		1

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101
Lab Number: L2231846
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-11
Client ID: IA-14 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:15
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	32.8	0.200	--	116	0.705	--		1
Benzene	5.25	0.200	--	16.8	0.639	--		1
Cyclohexane	3.03	0.200	--	10.4	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	1.86	0.200	--	8.69	0.934	--		1
Heptane	7.64	0.200	--	31.3	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.06	0.500	--	4.34	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	59.8	0.200	--	225	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	9.05	0.200	--	39.3	0.869	--		1
p/m-Xylene	39.1	0.400	--	170	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.268	0.200	--	1.14	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	12.8	0.200	--	55.6	0.869	--		1
4-Ethyltoluene	2.81	0.200	--	13.8	0.983	--		1
1,3,5-Trimethylbenzene	2.65	0.200	--	13.0	0.983	--		1

Project Name: NYSDEC VIM STUDY JUNE 2022 ***Lab Number:*** L2231846

Project Number: 01101 ***Report Date:*** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-11
Client ID: IA-14 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:15
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	9.95	0.200	--	48.9	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	102		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	107		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022 **Lab Number:** L2231846

Project Number: 01101 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231846-11
Client ID: IA-14 (061422)
Sample Location: 155 CHANDLER ST BUFFALO NY

Date Collected: 06/14/22 16:15
Date Received: 06/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/24/22 04:11
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	0.026	0.020	--	0.140	0.107	--		1
Tetrachloroethene	0.105	0.020	--	0.712	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	101		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	106		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022 **Lab Number:** L2231846

Project Number: 01101 **Report Date:** 06/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/23/22 19:44

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-11 Batch: WG1654668-4								
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 JUNE 2022 **Lab Number:** L2231846

Project Number: 01101 **Report Date:** 06/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/23/22 19:44

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-11 Batch: WG1654668-4								
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 JUNE 2022 **Lab Number:** L2231846

Project Number: 01101 **Report Date:** 06/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/23/22 19:44

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-11 Batch: WG1654668-4								
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 JUNE 2022 **Lab Number:** L2231846

Project Number: 01101 **Report Date:** 06/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 06/23/22 20:22

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02,04,06,08-09,11 Batch: WG1654671-4								
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 JUNE 2022
Project Number: 01101

Lab Number: L2231846
Report Date: 06/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 Batch: WG1654668-3								
Dichlorodifluoromethane	102		-		70-130	-		
Chloromethane	97		-		70-130	-		
Freon-114	108		-		70-130	-		
Vinyl chloride	118		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Bromomethane	112		-		70-130	-		
Chloroethane	116		-		70-130	-		
Ethanol	94		-		40-160	-		
Vinyl bromide	95		-		70-130	-		
Acetone	112		-		40-160	-		
Trichlorofluoromethane	94		-		70-130	-		
Isopropanol	95		-		40-160	-		
1,1-Dichloroethene	113		-		70-130	-		
Tertiary butyl Alcohol	109		-		70-130	-		
Methylene chloride	99		-		70-130	-		
3-Chloropropene	112		-		70-130	-		
Carbon disulfide	92		-		70-130	-		
Freon-113	107		-		70-130	-		
trans-1,2-Dichloroethene	105		-		70-130	-		
1,1-Dichloroethane	113		-		70-130	-		
Methyl tert butyl ether	89		-		70-130	-		
2-Butanone	97		-		70-130	-		
cis-1,2-Dichloroethene	117		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101

Lab Number: L2231846
Report Date: 06/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 Batch: WG1654668-3								
Ethyl Acetate	117		-		70-130	-		
Chloroform	110		-		70-130	-		
Tetrahydrofuran	95		-		70-130	-		
1,2-Dichloroethane	96		-		70-130	-		
n-Hexane	100		-		70-130	-		
1,1,1-Trichloroethane	91		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	99		-		70-130	-		
Cyclohexane	100		-		70-130	-		
1,2-Dichloropropane	106		-		70-130	-		
Bromodichloromethane	96		-		70-130	-		
1,4-Dioxane	102		-		70-130	-		
Trichloroethene	103		-		70-130	-		
2,2,4-Trimethylpentane	102		-		70-130	-		
Heptane	90		-		70-130	-		
cis-1,3-Dichloropropene	100		-		70-130	-		
4-Methyl-2-pentanone	93		-		70-130	-		
trans-1,3-Dichloropropene	85		-		70-130	-		
1,1,2-Trichloroethane	103		-		70-130	-		
Toluene	103		-		70-130	-		
2-Hexanone	92		-		70-130	-		
Dibromochloromethane	103		-		70-130	-		
1,2-Dibromoethane	101		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101

Lab Number: L2231846
Report Date: 06/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11 Batch: WG1654668-3								
Tetrachloroethene	99		-		70-130	-		
Chlorobenzene	102		-		70-130	-		
Ethylbenzene	109		-		70-130	-		
p/m-Xylene	108		-		70-130	-		
Bromoform	105		-		70-130	-		
Styrene	107		-		70-130	-		
1,1,2,2-Tetrachloroethane	117		-		70-130	-		
o-Xylene	109		-		70-130	-		
4-Ethyltoluene	96		-		70-130	-		
1,3,5-Trimethylbenzene	105		-		70-130	-		
1,2,4-Trimethylbenzene	107		-		70-130	-		
Benzyl chloride	93		-		70-130	-		
1,3-Dichlorobenzene	115		-		70-130	-		
1,4-Dichlorobenzene	115		-		70-130	-		
1,2-Dichlorobenzene	109		-		70-130	-		
1,2,4-Trichlorobenzene	97		-		70-130	-		
Hexachlorobutadiene	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101

Lab Number: L2231846
Report Date: 06/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02,04,06,08-09,11 Batch: WG1654671-3								
Vinyl chloride	112		-		70-130	-		25
1,1-Dichloroethene	109		-		70-130	-		25
cis-1,2-Dichloroethene	112		-		70-130	-		25
1,1,1-Trichloroethane	87		-		70-130	-		25
Carbon tetrachloride	94		-		70-130	-		25
Trichloroethene	103		-		70-130	-		25
Tetrachloroethene	95		-		70-130	-		25

Project Name: NYSDEC VIM STUDY JUNE 2022 **Lab Number:** L2231846

Project Number: 01101 **Report Date:** 06/27/22

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 Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2231846-01	OA-2 (061422)	01623	Flow 5	06/03/22	390140		-	-	-	Pass	4.5	4.1	9
L2231846-01	OA-2 (061422)	244	2.7L Can	06/03/22	390140	L2227949-01	Pass	-28.8	-5.7	-	-	-	-
L2231846-02	RT-1 (061422)	01206	Flow 5	06/01/22	389759		-	-	-	Pass	4.5	4.3	5
L2231846-02	RT-1 (061422)	2591	2.7L Can	06/01/22	389759	L2226477-01	Pass	-29.4	-4.2	-	-	-	-
L2231846-03	SS-11 (061422)	01297	Flow 5	06/01/22	389759		-	-	-	Pass	4.5	4.4	2
L2231846-03	SS-11 (061422)	2248	2.7L Can	06/01/22	389759	L2226477-01	Pass	-29.3	-1.4	-	-	-	-
L2231846-04	IA-11 (061422)	0624	Flow 4	06/01/22	389759		-	-	-	Pass	4.5	4.7	4
L2231846-04	IA-11 (061422)	186	2.7L Can	06/01/22	389759	L2226477-01	Pass	-29.5	-8.9	-	-	-	-
L2231846-05	SS-12 (061422)	01369	Flow 5	06/01/22	389759		-	-	-	Pass	4.5	3.7	20
L2231846-05	SS-12 (061422)	539	2.7L Can	06/01/22	389759	L2226477-01	Pass	-29.4	-11.1	-	-	-	-
L2231846-06	IA-12 (061422)	0958	Flow 5	06/01/22	389759		-	-	-	Pass	4.5	3.4	28
L2231846-06	IA-12 (061422)	2792	2.7L Can	06/01/22	389759	L2226477-01	Pass	-28.6	-6.2	-	-	-	-
L2231846-07	SS-13 (061422)	01134	Flow 5	06/03/22	390140		-	-	-	Pass	4.5	10.1	77
L2231846-07	SS-13 (061422)	512	2.7L Can	06/03/22	390140	L2227949-01	Pass	-28.8	0.0	-	-	-	-
L2231846-08	IA-13 (061422)	02231	Flow 5	06/03/22	390140		-	-	-	Pass	4.5	5.0	11

Project Name: NYSDEC VIM STUDY JUNE 2022 **Lab Number:** L2231846

Project Number: 01101 **Report Date:** 06/27/22

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 Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2231846-08	IA-13 (061422)	3401	2.7L Can	06/03/22	390140	L2227949-01	Pass	-28.7	-5.9	-	-	-	-
L2231846-09	IA-8 (061422)	0966	Flow 5	06/01/22	389759		-	-	-	Pass	4.5	4.6	2
L2231846-09	IA-8 (061422)	3244	2.7L Can	06/01/22	389759	L2226477-01	Pass	-29.4	-9.2	-	-	-	-
L2231846-10	SS-8 (061422)	0875	Flow 5	06/01/22	389759		-	-	-	Pass	4.5	4.9	9
L2231846-10	SS-8 (061422)	2075	2.7L Can	06/01/22	389759	L2226477-02	Pass	-29.2	-7.9	-	-	-	-
L2231846-11	IA-14 (061422)	0204	Flow 5	06/03/22	390140		-	-	-	Pass	4.5	4.2	7
L2231846-11	IA-14 (061422)	2692	2.7L Can	06/03/22	390140	L2227949-01	Pass	-28.8	-7.6	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2226477
Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2226477-01
Client ID: CAN 404 SHELF 8
Sample Location:

Date Collected: 05/18/22 18:00
Date Received: 05/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/19/22 19:25
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2226477
Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2226477-01
Client ID: CAN 404 SHELF 8
Sample Location:

Date Collected: 05/18/22 18:00
Date Received: 05/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2226477
Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2226477-01
Client ID: CAN 404 SHELF 8
Sample Location:

Date Collected: 05/18/22 18:00
Date Received: 05/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2226477
Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2226477-01
Client ID: CAN 404 SHELF 8
Sample Location:

Date Collected: 05/18/22 18:00
Date Received: 05/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2226477
Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2226477-01
Client ID: CAN 404 SHELF 8
Sample Location:

Date Collected: 05/18/22 18:00
Date Received: 05/19/22
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2226477
Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2226477-01
Client ID: CAN 404 SHELF 8
Sample Location:

Date Collected: 05/18/22 18:00
Date Received: 05/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/19/22 19:25
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2226477
Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2226477-01
Client ID: CAN 404 SHELF 8
Sample Location:

Date Collected: 05/18/22 18:00
Date Received: 05/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2226477
Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2226477-01
Client ID: CAN 404 SHELF 8
Sample Location:

Date Collected: 05/18/22 18:00
Date Received: 05/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2226477
Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2226477-02
Client ID: CAN 458 SHELF 15
Sample Location:

Date Collected: 05/18/22 18:00
Date Received: 05/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/19/22 20:04
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2226477
Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2226477-02
Client ID: CAN 458 SHELF 15
Sample Location:

Date Collected: 05/18/22 18:00
Date Received: 05/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2226477
Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2226477-02
Client ID: CAN 458 SHELF 15
Sample Location:

Date Collected: 05/18/22 18:00
Date Received: 05/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2226477
Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2226477-02
Client ID: CAN 458 SHELF 15
Sample Location:

Date Collected: 05/18/22 18:00
Date Received: 05/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2226477
Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2226477-02
Client ID: CAN 458 SHELF 15
Sample Location:

Date Collected: 05/18/22 18:00
Date Received: 05/19/22
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2226477
Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2226477-02
Client ID: CAN 458 SHELF 15
Sample Location:

Date Collected: 05/18/22 18:00
Date Received: 05/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/19/22 20:04
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2226477
Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2226477-02
Client ID: CAN 458 SHELF 15
Sample Location:

Date Collected: 05/18/22 18:00
Date Received: 05/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2226477
Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2226477-02
Client ID: CAN 458 SHELF 15
Sample Location:

Date Collected: 05/18/22 18:00
Date Received: 05/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	88		60-140

Project Name:

Lab Number: L2227949

Project Number: CANISTER QC BAT

Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2227949-01
Client ID: CAN 1066 SHELF 14
Sample Location:

Date Collected: 05/26/22 09:00
Date Received: 05/26/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/26/22 18:32
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	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
iso-Propyl Alcohol	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:

Lab Number: L2227949

Project Number: CANISTER QC BAT

Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2227949-01
Client ID: CAN 1066 SHELF 14
Sample Location:

Date Collected: 05/26/22 09:00
Date Received: 05/26/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
tert-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
1,1,2-Trichloro-1,2,2-Trifluoroethane	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
Xylene (Total)	ND	0.200	--	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
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		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

Project Name:

Lab Number: L2227949

Project Number: CANISTER QC BAT

Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2227949-01
Client ID: CAN 1066 SHELF 14
Sample Location:

Date Collected: 05/26/22 09:00
Date Received: 05/26/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
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

Project Name:

Lab Number: L2227949

Project Number: CANISTER QC BAT

Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2227949-01
Client ID: CAN 1066 SHELF 14
Sample Location:

Date Collected: 05/26/22 09:00
Date Received: 05/26/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-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 (C10)	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 (C12)	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

Project Name:

Lab Number: L2227949

Project Number: CANISTER QC BAT

Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2227949-01
Client ID: CAN 1066 SHELF 14
Sample Location:

Date Collected: 05/26/22 09:00
Date Received: 05/26/22
Field Prep: Not Specified

Sample Depth:

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

	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	95		60-140
chlorobenzene-d5	90		60-140

Project Name:

Lab Number: L2227949

Project Number: CANISTER QC BAT

Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2227949-01
Client ID: CAN 1066 SHELF 14
Sample Location:

Date Collected: 05/26/22 09:00
Date Received: 05/26/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/26/22 18:32
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		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
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,3-Dichloropropene, Total	ND	0.020	--	ND	0.091	--		1
tert-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
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1

Project Name:

Lab Number: L2227949

Project Number: CANISTER QC BAT

Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2227949-01
Client ID: CAN 1066 SHELF 14
Sample Location:

Date Collected: 05/26/22 09:00
Date Received: 05/26/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		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
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		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
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	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
2-Hexanone	ND	0.200	--	ND	0.820	--		1

Project Name:

Lab Number: L2227949

Project Number: CANISTER QC BAT

Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2227949-01
Client ID: CAN 1066 SHELF 14
Sample Location:

Date Collected: 05/26/22 09:00
Date Received: 05/26/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Xylene (Total)	ND	0.020	--	ND	0.087	--		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
1,2,3-Trichloropropane	ND	0.020	--	ND	0.121	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	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
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-Dibromo-3-chloropropane	ND	0.020	--	ND	0.193	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1

Project Name:

Lab Number: L2227949

Project Number: CANISTER QC BAT

Report Date: 06/27/22

Air Canister Certification Results

Lab ID: L2227949-01
Client ID: CAN 1066 SHELF 14
Sample Location:

Date Collected: 05/26/22 09:00
Date Received: 05/26/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
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	95		60-140
chlorobenzene-d5	89		60-140

Project Name: NYSDEC VIM STUDY JUNE 2022
Project Number: 01101

Lab Number: L2231846
Report Date: 06/27/22

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(*)
L2231846-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2231846-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2231846-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2231846-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2231846-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2231846-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2231846-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2231846-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2231846-09A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2231846-10A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2231846-11A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	NYSDEC VIM STUDY JUNE 2022	**Lab Number:**	L2231846
Project Number:	01101	**Report Date:**	06/27/22

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 JUNE 2022	**Lab Number:**	L2231846
Project Number:	01101	**Report Date:**	06/27/22

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.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	NYSDEC VIM STUDY JUNE 2022	**Lab Number:**	L2231846
Project Number:	01101	**Report Date:**	06/27/22

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

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

Westborough Facility
EPA 624/624.1: 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, SM4500Cl-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

ALPHA ANALYTICAL

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 6/15/22

ALPHA Job #: L2231846

Client Information

Client: ENV. ADVANTAGE INC
Address: 3636 N. BUFFALO Rd.
ORCHARD PARK NY 14127
Phone: 716-667-3130
Fax: 716-667-3156
Email: mhanna@envadvantage.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: NYSDEC VIM STUDY JUNE2022
Project Location: 155 CHANDLER ST BUFFALO
Project #: 01101
Project Manager: MARK HANNA + MARY SZUSTAK
ALPHA Quote #:

Turn-Around Time

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

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
NY 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 #: 01101

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: PLEASE EMAIL RESULTS TO mszustak@envadvantage.com ebetzold@envadvantage.com

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH (Subtract Non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
31846-01	OA-2(061422)	6/14/22	0715	1515	-29.32	-04.80	AA	EB	2.7L	244	01623	X					
-02	RT-1(061422)	6/14/22	0730	1530	-29.30	-4.76	AA	EB	2.7L	2591	01206	X					
-03	SS-11(061422)	6/14/22	0825	1625	-28.55	-1.05	SV	EB	2.7L	2246	01297	X					* can ID=2248
-04	IA-11(061422)	6/14/22	0825	1625	-29.43	-8.69	AA	EB	2.7L	186	0624	X					
-05	SS-12(061422)	6/14/22	0810	1610	-29.55	-11.16	SV	EB	2.7L	539	01369	X					
-06	IA-12(061422)	6/14/22	0810	1610	-28.32	-3.90	AA	EB	2.7L	2792	0958	X					
-07	SS-13(061422)	6/14/22	0750	1550	-28.80	-0.00	SV	EB	2.7L	512	01134	X					
-08	IA-13(061422)	6/14/22	0750	1550	-29.06	-5.39	AA	EB	2.7L	3401	02231	X					
-09	~~IA~~ -8(061422)	6/14/22	0830	1630	-29.50	-8.86	SV	EB	2.7L	3244	0966	X					
-10	~~SS~~ -8(061422)	6/14/22	0830	1630	-27.06	-7.56	AA	EB	2.7L	2075	0875	X					

*SAMPLE MATRIX CODES

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

Container Type		15						

Relinquished By:	Date/Time	Received By:	Date/Time:
	6/14/22 1657		6/15/22 1657
	6/14/22 1709		6/15/22 0026
	6/16/22 0500		6/15/22 0500
	6/15/22 0620		

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.

AIR ANALYSIS

PAGE 2 OF 2

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd in Lab: 6/15/22

ALPHA Job #: L2231846

Client Information

Client: ENV. ADVANTAGE INC
Address: 3636 N. BUFFALO Rd
ORCHARD PARK NY 14127
Phone: 716-667-3130
Fax: 716-667-3156
Email: mhanna@envadvantage.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: NYSDEC VIM STUDY JUNE 2022
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:

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 #: 01101

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subset Non-petroleum HCs	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
31846-11	IA-14(061422)	6/14/22	0815	1615	-28.50	-6.97	AA	EB	2.7L	2692	0204	X						

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

Container Type: 6

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	6/14/22 1657		6/14/22 1657
	6/14/20 1707		6/15/22 0020
	6/15/22 0600		6/15/22 0500
	6/15/22 062		

Form No: 101-02 Rev: (25-Sep-15)

ANALYTICAL REPORT

Lab Number:	L2240518
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	JUL 2022 ADDL AMB AIR SAMPLING
Project Number:	01101
Report Date:	08/11/22

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: JUL 2022 ADDL AMB AIR SAMPLING
Project Number: 01101

Lab Number: L2240518
Report Date: 08/11/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2240518-01	IA-15 (072822)	AIR	155 CHANDLER ST. BUFFALO, NY	07/28/22 15:15	07/28/22
L2240518-02	IA-16 (072822)	AIR	155 CHANDLER ST. BUFFALO, NY	07/28/22 15:20	07/28/22

Project Name:	JUL 2022 ADDL AMB AIR SAMPLING	**Lab Number:**	L2240518
Project Number:	01101	**Report Date:**	08/11/22

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:	JUL 2022 ADDL AMB AIR SAMPLING	**Lab Number:**	L2240518
Project Number:	01101	**Report Date:**	08/11/22

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 27, 2022. 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: Jennifer Jerome

Title: Technical Director/Representative Date: 08/11/22

AIR

Project Name: JUL 2022 ADDL AMB AIR SAMPLING
Project Number: 01101
Lab Number: L2240518
Report Date: 08/11/22

SAMPLE RESULTS

Lab ID: L2240518-01
Client ID: IA-15 (072822)
Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 07/28/22 15:15
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/11/22 07:48
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.527	0.200	--	2.61	0.989	--		1
Chloromethane	0.510	0.200	--	1.05	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	47.3	5.00	--	89.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	15.7	1.00	--	37.3	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	6.60	0.500	--	16.2	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	0.734	0.200	--	2.29	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.34	0.500	--	6.90	1.47	--		1
Ethyl Acetate	0.605	0.500	--	2.18	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.34	0.500	--	3.95	1.47	--		1

Project Name: JUL 2022 ADDL AMB AIR SAMPLING
Project Number: 01101
Lab Number: L2240518
Report Date: 08/11/22

SAMPLE RESULTS

Lab ID: L2240518-01
Client ID: IA-15 (072822)
Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 07/28/22 15:15
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	42.0	0.200	--	148	0.705	--		1
Benzene	6.47	0.200	--	20.7	0.639	--		1
Cyclohexane	3.36	0.200	--	11.6	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	2.27	0.200	--	10.6	0.934	--		1
Heptane	7.22	0.200	--	29.6	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	2.20	0.500	--	9.02	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	34.9	0.200	--	132	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	3.62	0.200	--	15.7	0.869	--		1
p/m-Xylene	14.5	0.400	--	63.0	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	5.50	0.200	--	23.9	0.869	--		1
4-Ethyltoluene	1.15	0.200	--	5.65	0.983	--		1
1,3,5-Trimethylbenzene	1.31	0.200	--	6.44	0.983	--		1

Project Name: JUL 2022 ADDL AMB AIR SAMPLING
Project Number: 01101
Lab Number: L2240518
Report Date: 08/11/22

SAMPLE RESULTS

Lab ID: L2240518-01
Client ID: IA-15 (072822)
Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 07/28/22 15:15
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	112		60-140
Bromochloromethane	115		60-140
chlorobenzene-d5	109		60-140

Project Name: JUL 2022 ADDL AMB AIR SAMPLING
Project Number: 01101
Lab Number: L2240518
Report Date: 08/11/22

SAMPLE RESULTS

Lab ID: L2240518-01
Client ID: IA-15 (072822)
Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 07/28/22 15:15
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/11/22 07:48
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.090	0.020	--	0.566	0.126	--		1
Trichloroethene	0.389	0.020	--	2.09	0.107	--		1
Tetrachloroethene	0.050	0.020	--	0.339	0.136	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	108		60-140
bromochloromethane	113		60-140
chlorobenzene-d5	107		60-140

Project Name: JUL 2022 ADDL AMB AIR SAMPLING
Project Number: 01101
Lab Number: L2240518
Report Date: 08/11/22

SAMPLE RESULTS

Lab ID: L2240518-02
Client ID: IA-16 (072822)
Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 07/28/22 15:20
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/11/22 08:42
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.486	0.200	--	2.40	0.989	--		1
Chloromethane	0.627	0.200	--	1.29	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	80.8	5.00	--	152	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.2	1.00	--	26.6	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	47.1	0.500	--	116	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	1.03	0.500	--	3.04	1.47	--		1
Ethyl Acetate	0.630	0.500	--	2.27	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.597	0.500	--	1.76	1.47	--		1

Project Name: JUL 2022 ADDL AMB AIR SAMPLING
Project Number: 01101
Lab Number: L2240518
Report Date: 08/11/22

SAMPLE RESULTS

Lab ID: L2240518-02
Client ID: IA-16 (072822)
Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 07/28/22 15:20
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.293	0.200	--	1.03	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	0.382	0.200	--	1.44	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: JUL 2022 ADDL AMB AIR SAMPLING
Project Number: 01101
Lab Number: L2240518
Report Date: 08/11/22

SAMPLE RESULTS

Lab ID: L2240518-02
Client ID: IA-16 (072822)
Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 07/28/22 15:20
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	105		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	106		60-140

Project Name: JUL 2022 ADDL AMB AIR SAMPLING
Project Number: 01101
Lab Number: L2240518
Report Date: 08/11/22

SAMPLE RESULTS

Lab ID: L2240518-02
Client ID: IA-16 (072822)
Sample Location: 155 CHANDLER ST. BUFFALO, NY

Date Collected: 07/28/22 15:20
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/11/22 08:42
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.067	0.020	--	0.421	0.126	--		1
Trichloroethene	0.027	0.020	--	0.145	0.107	--		1
Tetrachloroethene	0.036	0.020	--	0.244	0.136	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	101		60-140
bromochloromethane	103		60-140
chlorobenzene-d5	108		60-140

Project Name: JUL 2022 ADDL AMB AIR SAMPLING
Lab Number: L2240518
Project Number: 01101
Report Date: 08/11/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 08/10/22 17:38

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02 Batch: WG1673771-4								
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
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1

Project Name: JUL 2022 ADDL AMB AIR SAMPLING **Lab Number:** L2240518

Project Number: 01101 **Report Date:** 08/11/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/10/22 16:59

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1673772-4								
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: JUL 2022 ADDL AMB AIR SAMPLING **Lab Number:** L2240518

Project Number: 01101 **Report Date:** 08/11/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/10/22 16:59

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1673772-4								
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: JUL 2022 ADDL AMB AIR SAMPLING **Lab Number:** L2240518

Project Number: 01101 **Report Date:** 08/11/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/10/22 16:59

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1673772-4								
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

Lab Control Sample Analysis
Batch Quality Control

Project Name: JUL 2022 ADDL AMB AIR SAMPLING
Project Number: 01101

Lab Number: L2240518
Report Date: 08/11/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02 Batch: WG1673771-3								
Vinyl chloride	82		-		70-130	-		25
1,1-Dichloroethene	76		-		70-130	-		25
cis-1,2-Dichloroethene	87		-		70-130	-		25
1,1,1-Trichloroethane	79		-		70-130	-		25
Carbon tetrachloride	86		-		70-130	-		25
Trichloroethene	93		-		70-130	-		25
Tetrachloroethene	102		-		70-130	-		25
1,2,4-Trichlorobenzene	72		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: JUL 2022 ADDL AMB AIR SAMPLING
Project Number: 01101

Lab Number: L2240518
Report Date: 08/11/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1673772-3								
Dichlorodifluoromethane	86		-		70-130	-		
Chloromethane	94		-		70-130	-		
Freon-114	94		-		70-130	-		
Vinyl chloride	86		-		70-130	-		
1,3-Butadiene	95		-		70-130	-		
Bromomethane	86		-		70-130	-		
Chloroethane	84		-		70-130	-		
Ethanol	92		-		40-160	-		
Vinyl bromide	81		-		70-130	-		
Acetone	85		-		40-160	-		
Trichlorofluoromethane	73		-		70-130	-		
Isopropanol	84		-		40-160	-		
1,1-Dichloroethene	80		-		70-130	-		
Tertiary butyl Alcohol	75		-		70-130	-		
Methylene chloride	100		-		70-130	-		
3-Chloropropene	97		-		70-130	-		
Carbon disulfide	98		-		70-130	-		
Freon-113	92		-		70-130	-		
trans-1,2-Dichloroethene	85		-		70-130	-		
1,1-Dichloroethane	87		-		70-130	-		
Methyl tert butyl ether	91		-		70-130	-		
2-Butanone	90		-		70-130	-		
cis-1,2-Dichloroethene	89		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: JUL 2022 ADDL AMB AIR SAMPLING

Project Number: 01101

Lab Number: L2240518

Report Date: 08/11/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1673772-3								
Ethyl Acetate	91		-		70-130	-		
Chloroform	95		-		70-130	-		
Tetrahydrofuran	90		-		70-130	-		
1,2-Dichloroethane	72		-		70-130	-		
n-Hexane	98		-		70-130	-		
1,1,1-Trichloroethane	83		-		70-130	-		
Benzene	101		-		70-130	-		
Carbon tetrachloride	90		-		70-130	-		
Cyclohexane	100		-		70-130	-		
1,2-Dichloropropane	92		-		70-130	-		
Bromodichloromethane	98		-		70-130	-		
1,4-Dioxane	90		-		70-130	-		
Trichloroethene	97		-		70-130	-		
2,2,4-Trimethylpentane	98		-		70-130	-		
Heptane	100		-		70-130	-		
cis-1,3-Dichloropropene	104		-		70-130	-		
4-Methyl-2-pentanone	98		-		70-130	-		
trans-1,3-Dichloropropene	85		-		70-130	-		
1,1,2-Trichloroethane	94		-		70-130	-		
Toluene	105		-		70-130	-		
2-Hexanone	101		-		70-130	-		
Dibromochloromethane	111		-		70-130	-		
1,2-Dibromoethane	104		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: JUL 2022 ADDL AMB AIR SAMPLING

Project Number: 01101

Lab Number: L2240518

Report Date: 08/11/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1673772-3								
Tetrachloroethene	105		-		70-130	-		
Chlorobenzene	110		-		70-130	-		
Ethylbenzene	105		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	106		-		70-130	-		
Styrene	102		-		70-130	-		
1,1,2,2-Tetrachloroethane	107		-		70-130	-		
o-Xylene	106		-		70-130	-		
4-Ethyltoluene	101		-		70-130	-		
1,3,5-Trimethylbenzene	102		-		70-130	-		
1,2,4-Trimethylbenzene	104		-		70-130	-		
Benzyl chloride	80		-		70-130	-		
1,3-Dichlorobenzene	98		-		70-130	-		
1,4-Dichlorobenzene	96		-		70-130	-		
1,2-Dichlorobenzene	95		-		70-130	-		
1,2,4-Trichlorobenzene	**67**	Q	-		70-130	-		
Hexachlorobutadiene	71		-		70-130	-		

Project Name: JUL 2022 ADDL AMB AIR SAMPLING

Lab Number: L2240518

Project Number: 01101

Report Date: 08/11/22

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 Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2240518-01	IA-15 (072822)	0929	Flow 5	07/27/22	394765		-	-	-	Pass	4.5	4.0	12
L2240518-01	IA-15 (072822)	2248	2.7L Can	07/27/22	394765	L2238483-01	Pass	-30.2	-6.5	-	-	-	-
L2240518-02	IA-16 (072822)	0836	Flow 5	07/27/22	394765		-	-	-	Pass	4.5	3.3	31
L2240518-02	IA-16 (072822)	2313	2.7L Can	07/27/22	394765	L2238483-01	Pass	-30.0	-13.9	-	-	-	-

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

Lab Number: L2238483
Report Date: 08/11/22

Air Canister Certification Results

Lab ID: L2238483-01
Client ID: CAN 133 SHELF 7
Sample Location:

Date Collected: 07/19/22 18:00
Date Received: 07/20/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/20/22 17:35
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
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
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2238483
Report Date: 08/11/22

Air Canister Certification Results

Lab ID: L2238483-01
Client ID: CAN 133 SHELF 7
Sample Location:

Date Collected: 07/19/22 18:00
Date Received: 07/20/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2238483
Report Date: 08/11/22

Air Canister Certification Results

Lab ID: L2238483-01
Client ID: CAN 133 SHELF 7
Sample Location:

Date Collected: 07/19/22 18:00
Date Received: 07/20/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2238483
Report Date: 08/11/22

Air Canister Certification Results

Lab ID: L2238483-01
Client ID: CAN 133 SHELF 7
Sample Location:

Date Collected: 07/19/22 18:00
Date Received: 07/20/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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: L2238483
Report Date: 08/11/22

Air Canister Certification Results

Lab ID: L2238483-01
Client ID: CAN 133 SHELF 7
Sample Location:

Date Collected: 07/19/22 18:00
Date Received: 07/20/22
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

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

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

Lab Number: L2238483
Report Date: 08/11/22

Air Canister Certification Results

Lab ID: L2238483-01
Client ID: CAN 133 SHELF 7
Sample Location:

Date Collected: 07/19/22 18:00
Date Received: 07/20/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/20/22 17:35
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2238483
Report Date: 08/11/22

Air Canister Certification Results

Lab ID: L2238483-01
Client ID: CAN 133 SHELF 7
Sample Location:

Date Collected: 07/19/22 18:00
Date Received: 07/20/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2238483
Report Date: 08/11/22

Air Canister Certification Results

Lab ID: L2238483-01
Client ID: CAN 133 SHELF 7
Sample Location:

Date Collected: 07/19/22 18:00
Date Received: 07/20/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	99		60-140

Project Name: JUL 2022 ADDL AMB AIR SAMPLING
Project Number: 01101

Lab Number: L2240518
Report Date: 08/11/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2240518-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2240518-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	JUL 2022 ADDL AMB AIR SAMPLING	**Lab Number:**	L2240518
Project Number:	01101	**Report Date:**	08/11/22

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:	JUL 2022 ADDL AMB AIR SAMPLING	**Lab Number:**	L2240518
Project Number:	01101	**Report Date:**	08/11/22

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.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	JUL 2022 ADDL AMB AIR SAMPLING	**Lab Number:**	L2240518
Project Number:	01101	**Report Date:**	08/11/22

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

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

Westborough Facility
EPA 624/624.1: 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, SM4500Cl-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

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 7/29/22

ALPHA Job #: L2240518

Client Information

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

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: July 2022 Additional Ambient Air sampling
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:

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 #: 01101

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subset Non-petroleum HCs	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
L0518-01	IA-15(072822)	7/28/22	7:15am	3:15pm	-29.16	-14.26	AA	EB	2.7L	2248	0929	X						0.0 PPM
02	IA-16(072822)	7/28/22	7:20am	3:20pm	-29.38	-6.76	AA	EB	2.7L	2313	0836	X						0.0 PPM

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

Container Type: CS

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	7/28/22 15:20		7/28/22 1520
	7/28/22 1535		
	7/29/22 0500		7/29/22 0100
	7/29/22 0610		7/29/22 0610

APPENDIX E

DATA USABILIY SUMMARY REPORT

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

155 Chandler St.
SDG#L2231846
July 11, 2022
Sampling date: 6/14/2022

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Advantage, project located at 155 Chandler St., Alpha Analytical, SDG#L2231846 submitted to Vali-Data of WNY, LLC on June 30, 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-2(061422)	L2231846-01
2	RT-1(061422)	L2231846-02
3	SS-11(061422)	L2231846-03
4	IA-911061422)	L2231846-04
5	SS-12(061422)	L2231846-05
6	IA-12(061422)	L2231846-06
7	SS-13(061422)	L2231846-07
8	IA-13(061422)	L2231846-08
9	IA-8(061422)	L2231846-09
10	SS-8(061422)	L2231846-10
11	IA-14(061422)	L2231846-11

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.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Holding Times.

Samples: DUSR ID#5, 5D, 7, 8 and 10 were diluted due to high target analyte concentrations.

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 except the canister for DUSR ID#7 was not under pressure upon arrival at the laboratory. 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
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.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

CANISTER CERTIFICATION BLANKS
All criteria were met.

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.

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 1 and 3, 2022. The canister certification results are provided as an addendum.

Sample Receipt

The canister ID number for the sample designated SS-11 (061422) (L2231846-03) is listed on the CoC as 2246 but should be 2248.

L2231846-05D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2231846-05D2: The sample was 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.

L2231846-07D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2231846-08D: The sample was 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.

L2231846-10D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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 Report Date: 06/27/22

Title: Technical Director/Representative

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2231846-01	OA-2 (061422)	01623	Flow 5	06/03/22	390140		-	-	-	Pass	4.5	4.1	9
L2231846-01	OA-2 (061422)	244	2.7L Can	06/03/22	390140	L2227949-01	Pass	-28.8	-5.7	-	-	-	-
L2231846-02	RT-1 (061422)	01206	Flow 5	06/01/22	389759		-	-	-	Pass	4.5	4.3	5
L2231846-02	RT-1 (061422)	2591	2.7L Can	06/01/22	389759	L2226477-01	Pass	-29.4	-4.2	-	-	-	-
L2231846-03	SS-11 (061422)	01297	Flow 5	06/01/22	389759		-	-	-	Pass	4.5	4.4	2
L2231846-03	SS-11 (061422)	2248	2.7L Can	06/01/22	389759	L2226477-01	Pass	-29.3	-1.4	-	-	-	-
L2231846-04	IA-11 (061422)	0624	Flow 4	06/01/22	389759		-	-	-	Pass	4.5	4.7	4
L2231846-04	IA-11 (061422)	186	2.7L Can	06/01/22	389759	L2226477-01	Pass	-29.5	-8.9	-	-	-	-
L2231846-05	SS-12 (061422)	01369	Flow 5	06/01/22	389759		-	-	-	Pass	4.5	3.7	20
L2231846-05	SS-12 (061422)	539	2.7L Can	06/01/22	389759	L2226477-01	Pass	-29.4	-11.1	-	-	-	-
L2231846-06	IA-12 (061422)	0958	Flow 5	06/01/22	389759		-	-	-	Pass	4.5	3.4	28
L2231846-06	IA-12 (061422)	2792	2.7L Can	06/01/22	389759	L2226477-01	Pass	-28.6	-6.2	-	-	-	-
L2231846-07	SS-13 (061422)	01134	Flow 5	06/03/22	390140		-	-	-	Pass	4.5	10.1	77
L2231846-07	SS-13 (061422)	512	2.7L Can	06/03/22	390140	L2227949-01	Pass	-28.8	0.0	-	-	-	-
L2231846-08	IA-13 (061422)	02231	Flow 5	06/03/22	390140		-	-	-	Pass	4.5	5.0	11

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-01	Date Collected	: 06/14/22 15:15
Client ID	: OA-2 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/23/22 21:01
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727275	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.499	0.200	--	2.47	0.989	--	
74-87-3	Chloromethane	0.524	0.200	--	1.08	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	13.1	5.00	--	24.7	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	3.36	1.00	--	7.98	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	2.72	0.500	--	6.69	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	0.976	0.500	--	3.39	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	0.576	0.200	--	2.03	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.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-01	Date Collected	: 06/14/22 15:15
Client ID	: OA-2 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/23/22 21:01
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727275	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	1.71	0.200	--	6.44	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.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-01	**Date Collected**	: 06/14/22 15:15
Client ID	: OA-2 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/23/22 21:01
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1727275	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-02	Date Collected	: 06/14/22 15:30
Client ID	: RT-1 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 00:55
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727281	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.519	0.200	--	2.57	0.989	--	
74-87-3	Chloromethane	0.531	0.200	--	1.10	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	10.7	5.00	--	20.2	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	2.74	1.00	--	6.51	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	1.96	0.500	--	4.82	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	0.549	0.500	--	1.62	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.364	0.200	--	1.28	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.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-02	Date Collected	: 06/14/22 15:30
Client ID	: RT-1 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 00:55
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727281	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	0.318	0.200	--	1.20	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.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-02	**Date Collected**	: 06/14/22 15:30
Client ID	: RT-1 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 00:55
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1727281	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-03	Date Collected	: 06/14/22 16:25
Client ID	: SS-11 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 04:50
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727287	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.477	0.200	--	2.36	0.989	--	
74-87-3	Chloromethane	0.263	0.200	--	0.543	0.413	--	
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	0.844	0.200	--	1.87	0.442	--	
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	20.6	5.00	--	38.8	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	32.6	1.00	--	77.4	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	3.69	0.500	--	9.07	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	0.766	0.500	--	2.32	1.52	--	
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	0.651	0.200	--	2.03	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	3.76	0.500	--	11.1	1.47	--	
156-59-2	cis-1,2-Dichloroethene	0.336	0.200	--	1.33	0.793	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	2.16	0.200	--	10.5	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-03	Date Collected	: 06/14/22 16:25
Client ID	: SS-11 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 04:50
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727287	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	41.6	0.200	--	147	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	5.28	0.200	--	16.9	0.639	--	
56-23-5	Carbon tetrachloride	0.393	0.200	--	2.47	1.26	--	
110-82-7	Cyclohexane	26.4	0.200	--	90.9	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	90.2	0.200	--	485	1.07	--	
540-84-1	2,2,4-Trimethylpentane	1.44	0.200	--	6.73	0.934	--	
142-82-5	Heptane	14.4	0.200	--	59.0	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	0.789	0.500	--	3.23	2.05	--	
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	45.0	0.200	--	170	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	6.10	0.200	--	26.5	0.869	--	
179601-23-1	p/m-Xylene	25.8	0.400	--	112	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.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-03	**Date Collected**	: 06/14/22 16:25
Client ID	: SS-11 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 04:50
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1727287	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	8.29	0.200	--	36.0	0.869	--	
622-96-8	4-Ethyltoluene	1.51	0.200	--	7.42	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	1.38	0.200	--	6.78	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	5.19	0.200	--	25.5	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.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-04	Date Collected	: 06/14/22 16:25
Client ID	: IA-11 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 01:34
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727282	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.509	0.200	--	2.52	0.989	--	
74-87-3	Chloromethane	0.552	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	29.7	5.00	--	56.0	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	6.11	1.00	--	14.5	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	5.46	0.500	--	13.4	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	0.683	0.500	--	2.46	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	0.994	0.500	--	2.93	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.528	0.200	--	1.86	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.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-04	Date Collected	: 06/14/22 16:25
Client ID	: IA-11 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 01:34
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727282	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	0.809	0.200	--	3.05	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.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-04	**Date Collected**	: 06/14/22 16:25
Client ID	: IA-11 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 01:34
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1727282	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-05D	Date Collected	: 06/14/22 16:10
Client ID	: SS-12 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 05:26
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 15.85
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727288	Instrument ID	: AIRLAB17
Sample Amount	: 15.8 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	3.17	--	ND	15.7	--	U
74-87-3	Chloromethane	ND	3.17	--	ND	6.55	--	U
76-14-2	Freon-114	ND	3.17	--	ND	22.2	--	U
75-01-4	Vinyl chloride	ND	3.17	--	ND	8.10	--	U
106-99-0	1,3-Butadiene	14.4	3.17	--	31.9	7.01	--	
74-83-9	Bromomethane	ND	3.17	--	ND	12.3	--	U
75-00-3	Chloroethane	ND	3.17	--	ND	8.37	--	U
64-17-5	Ethanol	ND	79.2	--	ND	149	--	U
593-60-2	Vinyl bromide	ND	3.17	--	ND	13.9	--	U
67-64-1	Acetone	ND	15.8	--	ND	37.5	--	U
75-69-4	Trichlorofluoromethane	ND	3.17	--	ND	17.8	--	U
67-63-0	Isopropanol	ND	7.92	--	ND	19.5	--	U
75-35-4	1,1-Dichloroethene	ND	3.17	--	ND	12.6	--	U
75-65-0	Tertiary butyl Alcohol	ND	7.92	--	ND	24.0	--	U
75-09-2	Methylene chloride	ND	7.92	--	ND	27.5	--	U
107-05-1	3-Chloropropene	ND	3.17	--	ND	9.92	--	U
75-15-0	Carbon disulfide	62.6	3.17	--	195	9.87	--	
76-13-1	Freon-113	ND	3.17	--	ND	24.3	--	U
156-60-5	trans-1,2-Dichloroethene	ND	3.17	--	ND	12.6	--	U
75-34-3	1,1-Dichloroethane	ND	3.17	--	ND	12.8	--	U
1634-04-4	Methyl tert butyl ether	ND	3.17	--	ND	11.4	--	U
78-93-3	2-Butanone	ND	7.92	--	ND	23.4	--	U
156-59-2	cis-1,2-Dichloroethene	ND	3.17	--	ND	12.6	--	U
141-78-6	Ethyl Acetate	ND	7.92	--	ND	28.5	--	U
67-66-3	Chloroform	1560	3.17	--	7620	15.5	--	
109-99-9	Tetrahydrofuran	ND	7.92	--	ND	23.4	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-05D	Date Collected	: 06/14/22 16:10
Client ID	: SS-12 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 05:26
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 15.85
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727288	Instrument ID	: AIRLAB17
Sample Amount	: 15.8 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	3.17	--	ND	12.8	--	U
110-54-3	n-Hexane	81.0	3.17	--	285	11.2	--	
71-55-6	1,1,1-Trichloroethane	ND	3.17	--	ND	17.3	--	U
71-43-2	Benzene	24.5	3.17	--	78.3	10.1	--	
56-23-5	Carbon tetrachloride	5930	3.17	--	37300	19.9	--	E
110-82-7	Cyclohexane	35.2	3.17	--	121	10.9	--	
78-87-5	1,2-Dichloropropane	ND	3.17	--	ND	14.7	--	U
75-27-4	Bromodichloromethane	ND	3.17	--	ND	21.2	--	U
123-91-1	1,4-Dioxane	ND	3.17	--	ND	11.4	--	U
79-01-6	Trichloroethene	1080	3.17	--	5800	17.0	--	
540-84-1	2,2,4-Trimethylpentane	ND	3.17	--	ND	14.8	--	U
142-82-5	Heptane	39.2	3.17	--	161	13.0	--	
10061-01-5	cis-1,3-Dichloropropene	ND	3.17	--	ND	14.4	--	U
108-10-1	4-Methyl-2-pentanone	ND	7.92	--	ND	32.5	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	3.17	--	ND	14.4	--	U
79-00-5	1,1,2-Trichloroethane	ND	3.17	--	ND	17.3	--	U
108-88-3	Toluene	77.3	3.17	--	291	11.9	--	
591-78-6	2-Hexanone	ND	3.17	--	ND	13.0	--	U
124-48-1	Dibromochloromethane	ND	3.17	--	ND	27.0	--	U
106-93-4	1,2-Dibromoethane	ND	3.17	--	ND	24.4	--	U
127-18-4	Tetrachloroethene	ND	3.17	--	ND	21.5	--	U
108-90-7	Chlorobenzene	ND	3.17	--	ND	14.6	--	U
100-41-4	Ethylbenzene	7.37	3.17	--	32.0	13.8	--	
179601-23-1	p/m-Xylene	33.3	6.34	--	145	27.5	--	
75-25-2	Bromoform	ND	3.17	--	ND	32.8	--	U
100-42-5	Styrene	ND	3.17	--	ND	13.5	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-05D	**Date Collected**	: 06/14/22 16:10
Client ID	: SS-12 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 05:26
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 15.85
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1727288	**Instrument ID**	: AIRLAB17
Sample Amount	: 15.8 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.17	--	ND	21.8	--	U
95-47-6	o-Xylene	10.5	3.17	--	45.6	13.8	--	
622-96-8	4-Ethyltoluene	ND	3.17	--	ND	15.6	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	3.17	--	ND	15.6	--	U
95-63-6	1,2,4-Trimethylbenzene	9.73	3.17	--	47.8	15.6	--	
100-44-7	Benzyl chloride	ND	3.17	--	ND	16.4	--	U
541-73-1	1,3-Dichlorobenzene	ND	3.17	--	ND	19.1	--	U
106-46-7	1,4-Dichlorobenzene	ND	3.17	--	ND	19.1	--	U
95-50-1	1,2-Dichlorobenzene	ND	3.17	--	ND	19.1	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	3.17	--	ND	23.5	--	U
87-68-3	Hexachlorobutadiene	ND	3.17	--	ND	33.8	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-05D2	**Date Collected**	: 06/14/22 16:10
Client ID	: SS-12 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 09:27
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 111.1
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1727293	**Instrument ID**	: AIRLAB17
Sample Amount	: 2.25 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
56-23-5	Carbon tetrachloride	7270	22.2	--	45700	140	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-06	Date Collected	: 06/14/22 16:10
Client ID	: IA-12 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 02:13
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727283	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.595	0.200	--	2.94	0.989	--	
74-87-3	Chloromethane	0.562	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	38.7	5.00	--	72.9	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	12.8	1.00	--	30.4	2.38	--	
75-69-4	Trichlorofluoromethane	0.228	0.200	--	1.28	1.12	--	
67-63-0	Isopropanol	27.1	0.500	--	66.6	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	0.673	0.500	--	2.34	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	0.669	0.500	--	1.97	1.47	--	
141-78-6	Ethyl Acetate	1.28	0.500	--	4.61	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	2.01	0.500	--	5.93	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.769	0.200	--	2.71	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.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-06	Date Collected	: 06/14/22 16:10
Client ID	: IA-12 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 02:13
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727283	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	0.235	0.200	--	0.963	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	2.10	0.200	--	7.91	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	0.502	0.200	--	2.14	0.852	--	
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.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-06	**Date Collected**	: 06/14/22 16:10
Client ID	: IA-12 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 02:13
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1727283	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-07D	Date Collected	: 06/14/22 15:50
Client ID	: SS-13 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 08:51
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 2
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727292	Instrument ID	: AIRLAB17
Sample Amount	: 125 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.496	0.400	--	2.45	1.98	--	
74-87-3	Chloromethane	ND	0.400	--	ND	0.826	--	U
76-14-2	Freon-114	ND	0.400	--	ND	2.80	--	U
75-01-4	Vinyl chloride	ND	0.400	--	ND	1.02	--	U
106-99-0	1,3-Butadiene	ND	0.400	--	ND	0.885	--	U
74-83-9	Bromomethane	ND	0.400	--	ND	1.55	--	U
75-00-3	Chloroethane	ND	0.400	--	ND	1.06	--	U
64-17-5	Ethanol	66.0	10.0	--	124	18.8	--	
593-60-2	Vinyl bromide	ND	0.400	--	ND	1.75	--	U
67-64-1	Acetone	45.0	2.00	--	107	4.75	--	
75-69-4	Trichlorofluoromethane	ND	0.400	--	ND	2.25	--	U
67-63-0	Isopropanol	16.0	1.00	--	39.3	2.46	--	
75-35-4	1,1-Dichloroethene	ND	0.400	--	ND	1.59	--	U
75-65-0	Tertiary butyl Alcohol	ND	1.00	--	ND	3.03	--	U
75-09-2	Methylene chloride	ND	1.00	--	ND	3.47	--	U
107-05-1	3-Chloropropene	ND	0.400	--	ND	1.25	--	U
75-15-0	Carbon disulfide	9.26	0.400	--	28.8	1.25	--	
76-13-1	Freon-113	ND	0.400	--	ND	3.07	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--	U
75-34-3	1,1-Dichloroethane	ND	0.400	--	ND	1.62	--	U
1634-04-4	Methyl tert butyl ether	ND	0.400	--	ND	1.44	--	U
78-93-3	2-Butanone	2.13	1.00	--	6.28	2.95	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--	U
141-78-6	Ethyl Acetate	ND	1.00	--	ND	3.60	--	U
67-66-3	Chloroform	ND	0.400	--	ND	1.95	--	U
109-99-9	Tetrahydrofuran	1.08	1.00	--	3.19	2.95	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-07D	Date Collected	: 06/14/22 15:50
Client ID	: SS-13 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 08:51
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 2
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727292	Instrument ID	: AIRLAB17
Sample Amount	: 125 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.400	--	ND	1.62	--	U
110-54-3	n-Hexane	101	0.400	--	356	1.41	--	
71-55-6	1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--	U
71-43-2	Benzene	6.43	0.400	--	20.5	1.28	--	
56-23-5	Carbon tetrachloride	ND	0.400	--	ND	2.52	--	U
110-82-7	Cyclohexane	116	0.400	--	399	1.38	--	
78-87-5	1,2-Dichloropropane	ND	0.400	--	ND	1.85	--	U
75-27-4	Bromodichloromethane	ND	0.400	--	ND	2.68	--	U
123-91-1	1,4-Dioxane	ND	0.400	--	ND	1.44	--	U
79-01-6	Trichloroethene	3.01	0.400	--	16.2	2.15	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--	U
142-82-5	Heptane	64.3	0.400	--	264	1.64	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--	U
108-10-1	4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--	U
108-88-3	Toluene	54.6	0.400	--	206	1.51	--	
591-78-6	2-Hexanone	ND	0.400	--	ND	1.64	--	U
124-48-1	Dibromochloromethane	ND	0.400	--	ND	3.41	--	U
106-93-4	1,2-Dibromoethane	ND	0.400	--	ND	3.07	--	U
127-18-4	Tetrachloroethene	ND	0.400	--	ND	2.71	--	U
108-90-7	Chlorobenzene	ND	0.400	--	ND	1.84	--	U
100-41-4	Ethylbenzene	12.1	0.400	--	52.6	1.74	--	
179601-23-1	p/m-Xylene	49.2	0.800	--	214	3.47	--	
75-25-2	Bromoform	ND	0.400	--	ND	4.14	--	U
100-42-5	Styrene	ND	0.400	--	ND	1.70	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-07D	**Date Collected**	: 06/14/22 15:50
Client ID	: SS-13 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 08:51
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 2
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1727292	**Instrument ID**	: AIRLAB17
Sample Amount	: 125 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--	U
95-47-6	o-Xylene	16.1	0.400	--	69.9	1.74	--	
622-96-8	4-Ethyltoluene	2.55	0.400	--	12.5	1.97	--	
108-67-8	1,3,5-Trimethylbenzene	2.62	0.400	--	12.9	1.97	--	
95-63-6	1,2,4-Trimethylbenzene	10.0	0.400	--	49.2	1.97	--	
100-44-7	Benzyl chloride	ND	0.400	--	ND	2.07	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--	U
87-68-3	Hexachlorobutadiene	ND	0.400	--	ND	4.27	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-08	Date Collected	: 06/14/22 15:50
Client ID	: IA-13 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 02:52
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727284	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.488	0.200	--	2.41	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	98.7	5.00	--	186	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	638	1.00	--	1520	2.38	--	E
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	540	0.500	--	1330	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	0.240	0.200	--	0.952	0.793	--	
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	0.618	0.500	--	1.82	1.47	--	
141-78-6	Ethyl Acetate	0.918	0.500	--	3.31	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	0.619	0.500	--	1.83	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.406	0.200	--	1.43	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.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-08	Date Collected	: 06/14/22 15:50
Client ID	: IA-13 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 02:52
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727284	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	0.440	0.200	--	1.80	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	2.71	0.200	--	10.2	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	0.815	0.400	--	3.54	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	0.315	0.200	--	1.37	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.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-08	**Date Collected**	: 06/14/22 15:50
Client ID	: IA-13 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 02:52
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1727284	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-08D	**Date Collected**	: 06/14/22 15:50
Client ID	: IA-13 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 08:14
Sample Matrix	: AIR	**Dilution Factor**	: 5
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1727291	**Instrument ID**	: AIRLAB17
Sample Amount	: 50.0 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
67-64-1	Acetone	738	5.00	--	1750	11.9	--	
67-63-0	Isopropanol	605	2.50	--	1490	6.15	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-09	Date Collected	: 06/14/22 16:30
Client ID	: IA-8 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 03:32
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727285	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.514	0.200	--	2.54	0.989	--	
74-87-3	Chloromethane	0.575	0.200	--	1.19	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	28.6	5.00	--	53.9	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	5.81	1.00	--	13.8	2.38	--	
75-69-4	Trichlorofluoromethane	0.205	0.200	--	1.15	1.12	--	
67-63-0	Isopropanol	7.51	0.500	--	18.5	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	0.519	0.500	--	1.87	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	0.520	0.500	--	1.53	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.618	0.200	--	2.18	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.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-09	Date Collected	: 06/14/22 16:30
Client ID	: IA-8 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 03:32
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727285	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	0.666	0.200	--	2.51	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.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-09	**Date Collected**	: 06/14/22 16:30
Client ID	: IA-8 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 03:32
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1727285	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-10D	Date Collected	: 06/14/22 16:30
Client ID	: SS-8 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 06:39
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1.923
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727290	Instrument ID	: AIRLAB17
Sample Amount	: 130 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.940	0.385	--	4.65	1.90	--	
74-87-3	Chloromethane	0.584	0.385	--	1.21	0.795	--	
76-14-2	Freon-114	ND	0.385	--	ND	2.69	--	U
75-01-4	Vinyl chloride	ND	0.385	--	ND	0.984	--	U
106-99-0	1,3-Butadiene	9.42	0.385	--	20.8	0.852	--	
74-83-9	Bromomethane	ND	0.385	--	ND	1.49	--	U
75-00-3	Chloroethane	ND	0.385	--	ND	1.02	--	U
64-17-5	Ethanol	41.2	9.62	--	77.6	18.1	--	
593-60-2	Vinyl bromide	ND	0.385	--	ND	1.68	--	U
67-64-1	Acetone	146	1.92	--	347	4.56	--	
75-69-4	Trichlorofluoromethane	0.996	0.385	--	5.60	2.16	--	
67-63-0	Isopropanol	4.10	0.962	--	10.1	2.36	--	
75-35-4	1,1-Dichloroethene	ND	0.385	--	ND	1.53	--	U
75-65-0	Tertiary butyl Alcohol	6.43	0.962	--	19.5	2.92	--	
75-09-2	Methylene chloride	ND	0.962	--	ND	3.34	--	U
107-05-1	3-Chloropropene	ND	0.385	--	ND	1.21	--	U
75-15-0	Carbon disulfide	6.90	0.385	--	21.5	1.20	--	
76-13-1	Freon-113	ND	0.385	--	ND	2.95	--	U
156-60-5	trans-1,2-Dichloroethene	5.93	0.385	--	23.5	1.53	--	
75-34-3	1,1-Dichloroethane	ND	0.385	--	ND	1.56	--	U
1634-04-4	Methyl tert butyl ether	ND	0.385	--	ND	1.39	--	U
78-93-3	2-Butanone	6.32	0.962	--	18.6	2.84	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.385	--	ND	1.53	--	U
141-78-6	Ethyl Acetate	3.48	0.962	--	12.5	3.47	--	
67-66-3	Chloroform	ND	0.385	--	ND	1.88	--	U
109-99-9	Tetrahydrofuran	3.53	0.962	--	10.4	2.84	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-10D	Date Collected	: 06/14/22 16:30
Client ID	: SS-8 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 06:39
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1.923
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727290	Instrument ID	: AIRLAB17
Sample Amount	: 130 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.385	--	ND	1.56	--	U
110-54-3	n-Hexane	125	0.385	--	441	1.36	--	
71-55-6	1,1,1-Trichloroethane	ND	0.385	--	ND	2.10	--	U
71-43-2	Benzene	14.9	0.385	--	47.6	1.23	--	
56-23-5	Carbon tetrachloride	0.896	0.385	--	5.64	2.42	--	
110-82-7	Cyclohexane	80.3	0.385	--	276	1.33	--	
78-87-5	1,2-Dichloropropane	ND	0.385	--	ND	1.78	--	U
75-27-4	Bromodichloromethane	ND	0.385	--	ND	2.58	--	U
123-91-1	1,4-Dioxane	ND	0.385	--	ND	1.39	--	U
79-01-6	Trichloroethene	ND	0.385	--	ND	2.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.385	--	ND	1.80	--	U
142-82-5	Heptane	69.7	0.385	--	286	1.58	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.385	--	ND	1.75	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.962	--	ND	3.94	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.385	--	ND	1.75	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.385	--	ND	2.10	--	U
108-88-3	Toluene	62.2	0.385	--	234	1.45	--	
591-78-6	2-Hexanone	ND	0.385	--	ND	1.58	--	U
124-48-1	Dibromochloromethane	ND	0.385	--	ND	3.28	--	U
106-93-4	1,2-Dibromoethane	ND	0.385	--	ND	2.96	--	U
127-18-4	Tetrachloroethene	52.3	0.385	--	355	2.61	--	
108-90-7	Chlorobenzene	ND	0.385	--	ND	1.77	--	U
100-41-4	Ethylbenzene	7.69	0.385	--	33.4	1.67	--	
179601-23-1	p/m-Xylene	33.0	0.769	--	143	3.34	--	
75-25-2	Bromoform	ND	0.385	--	ND	3.98	--	U
100-42-5	Styrene	ND	0.385	--	ND	1.64	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-10D	**Date Collected**	: 06/14/22 16:30
Client ID	: SS-8 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 06:39
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1.923
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1727290	**Instrument ID**	: AIRLAB17
Sample Amount	: 130 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.385	--	ND	2.64	--	U
95-47-6	o-Xylene	10.6	0.385	--	46.0	1.67	--	
622-96-8	4-Ethyltoluene	1.95	0.385	--	9.59	1.89	--	
108-67-8	1,3,5-Trimethylbenzene	2.01	0.385	--	9.88	1.89	--	
95-63-6	1,2,4-Trimethylbenzene	7.82	0.385	--	38.4	1.89	--	
100-44-7	Benzyl chloride	ND	0.385	--	ND	1.99	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.385	--	ND	2.31	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.385	--	ND	2.31	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.385	--	ND	2.31	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.385	--	ND	2.86	--	U
87-68-3	Hexachlorobutadiene	ND	0.385	--	ND	4.11	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-11	Date Collected	: 06/14/22 16:15
Client ID	: IA-14 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 04:11
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727286	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.491	0.200	--	2.43	0.989	--	
74-87-3	Chloromethane	0.538	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	37.4	5.00	--	70.5	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	47.0	1.00	--	112	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	51.5	0.500	--	127	1.23	--	
75-65-0	Tertiary butyl Alcohol	0.542	0.500	--	1.64	1.52	--	
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	0.289	0.200	--	0.900	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	0.966	0.500	--	2.85	1.47	--	
141-78-6	Ethyl Acetate	0.506	0.500	--	1.82	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	0.526	0.500	--	1.55	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	32.8	0.200	--	116	0.705	--	
71-43-2	Benzene	5.25	0.200	--	16.8	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: L2231846-11	Date Collected	: 06/14/22 16:15
Client ID	: IA-14 (061422)	Date Received	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	Date Analyzed	: 06/24/22 04:11
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727286	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	3.03	0.200	--	10.4	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	1.86	0.200	--	8.69	0.934	--	
142-82-5	Heptane	7.64	0.200	--	31.3	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	1.06	0.500	--	4.34	2.05	--	
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	59.8	0.200	--	225	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	9.05	0.200	--	39.3	0.869	--	
179601-23-1	p/m-Xylene	39.1	0.400	--	170	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.268	0.200	--	1.14	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	12.8	0.200	--	55.6	0.869	--	
622-96-8	4-Ethyltoluene	2.81	0.200	--	13.8	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	2.65	0.200	--	13.0	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	9.95	0.200	--	48.9	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

Results Summary
Form 1
Volatile Organics in Air

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-11	**Date Collected**	: 06/14/22 16:15
Client ID	: IA-14 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 04:11
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1727286	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: WG1654668-4	Date Collected	: NA
Client ID	: WG1654668-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/23/22 19:44
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727273	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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.	Lab Number	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	Project Number	: 01101
Lab ID	: WG1654668-4	Date Collected	: NA
Client ID	: WG1654668-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/23/22 19:44
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1727273	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: WG1654668-4	**Date Collected**	: NA
Client ID	: WG1654668-4BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/23/22 19:44
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1727273	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-01	**Date Collected**	: 06/14/22 15:15
Client ID	: OA-2 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/23/22 21:01
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: RY
Lab File ID	: R1727275_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.071	0.020	--	0.447	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.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-02	**Date Collected**	: 06/14/22 15:30
Client ID	: RT-1 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 00:55
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: RY
Lab File ID	: R1727281_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.062	0.020	--	0.390	0.126	--	
79-01-6	Trichloroethene	0.028	0.020	--	0.150	0.107	--	
127-18-4	Tetrachloroethene	0.020	0.020	--	0.136	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-04	**Date Collected**	: 06/14/22 16:25
Client ID	: IA-11 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 01:34
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: RY
Lab File ID	: R1727282_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.059	0.020	--	0.371	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	21.7	0.020	--	147	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-06	**Date Collected**	: 06/14/22 16:10
Client ID	: IA-12 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 02:13
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: RY
Lab File ID	: R1727283_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.073	0.020	--	0.459	0.126	--	
79-01-6	Trichloroethene	0.184	0.020	--	0.989	0.107	--	
127-18-4	Tetrachloroethene	5.10	0.020	--	34.6	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-08	**Date Collected**	: 06/14/22 15:50
Client ID	: IA-13 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 02:52
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: RY
Lab File ID	: R1727284_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.071	0.020	--	0.447	0.126	--	
79-01-6	Trichloroethene	0.046	0.020	--	0.247	0.107	--	
127-18-4	Tetrachloroethene	0.022	0.020	--	0.149	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-09	**Date Collected**	: 06/14/22 16:30
Client ID	: IA-8 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 03:32
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: RY
Lab File ID	: R1727285_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.072	0.020	--	0.453	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	8.24	0.020	--	55.9	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: L2231846-11	**Date Collected**	: 06/14/22 16:15
Client ID	: IA-14 (061422)	**Date Received**	: 06/14/22
Sample Location	: 155 CHANDLER ST BUFFALO NY	**Date Analyzed**	: 06/24/22 04:11
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: RY
Lab File ID	: R1727286_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.068	0.020	--	0.428	0.126	--	
79-01-6	Trichloroethene	0.026	0.020	--	0.140	0.107	--	
127-18-4	Tetrachloroethene	0.105	0.020	--	0.712	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Environmental Advantage, Inc.	**Lab Number**	: L2231846
Project Name	: NYSDEC VIM STUDY JUNE 2022	**Project Number**	: 01101
Lab ID	: WG1654671-4	**Date Collected**	: NA
Client ID	: WG1654671-4BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/23/22 20:22
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: RY
Lab File ID	: R1727274_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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

PHOTOGRAPHS

1.	View of OA-2(061422) near the northern exterior of the structure.

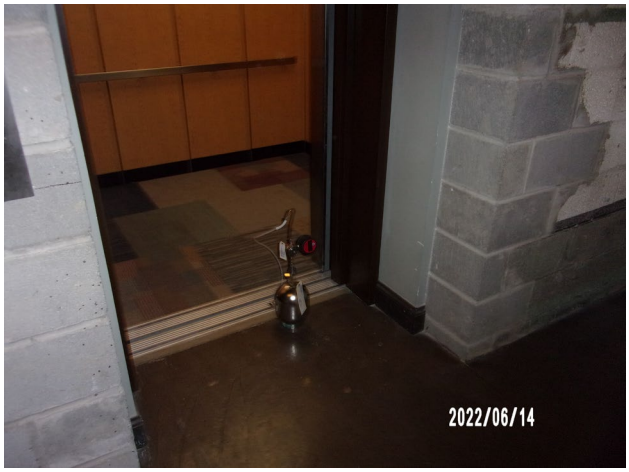
2.	View of RT-1(061422) located on the roof of the cidery near the air intake for the HVAC system.

3.	Helium tracer test performed at SS-13(061422) in the ODL waiting room.

4.	View of SS-13(061422) and IA-13(061422) in the ODL waiting room.

5.	View of SS-12(061422) and IA-12(061422) in the basement storage area.

6.	Helium tracer test performed at SS-12(061422) in the basement storage area.

			
7.	View of IA-14(061422) sampling the ambient air below the ODL service elevator within the shaft.	8.	Helium tracer test performed at SS-11(061422) in the entertainment area.
			
9.	View of SS-8(061422) and IA-8(061422) in the cider hall near the kitchen.	10.	Kitchen area with cleaning/disinfecting products.
			
11.	Maintenance storage located in the keg room adjacent to the kitchen.	12.	OVM screening of the floor drain located in the basement storage room.

1. View of identified former piping in the northeast corner of the Blackbird Mezzanine Event Area.

2. View of former piping leading to a closed off area below the Blackbird Mezzanine Event Area.

3. View inside of piping leading to a closed off area below the Blackbird Mezzanine Event Area.

4. View of IA-15(072822), tubing inserted into the closed area below the Blackbird Mezzanine Event Area.

5. View of IA-15(072822), former piping sealed off as best as possible during sample collection.

6. View of IA-16(072822) in the Blackbird Mezzanine Event Area.