Environmental Advantage

Environmental Advantage, Inc. 3636 N. Buffalo Road Orchard Park, New York 14127
Industrial Compliance, Hazardous Materials Management, Site Assessment/Remediation

February 17, 2022

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

Via email: megan.kuczka@dec.ny.gov;

Re: **Summary Letter –Post Passive Vent Installation Indoor Air Sampling Results, Revised**
Pierce Arrow Business Center, 155-157 Chandler Street, Buffalo, NY
EA Project No: 01101

Dear Ms. Kuczka:

This letter serves as a notification of the results of the December 2021 post passive vent installation indoor air sampling event at the above-referenced site. **Please Note**: The annual indoor air sample collection as required by the Site's approved Site Management Plan[1] (SMP) was also completed at the same time, the results of which will be described in the Site's annual Periodic Review Report (PRR) due in May 2022. The post passive vent installation sampling event was completed following three consecutive air exceedances of trichloroethylene (TCE) collected at sample location IA-6 during the previous 2020-2021 monitoring period (December 2020, February 2021, and March 2021) as detailed in the Periodic Review Report – April 2021 – Revised; DEC Site #C911532 report, dated July 2021[2]. An initial air exceedance of TCE also occurred at the IA-6 location in December 2019, with a compliant result achieved the following February (2020). Initial post sub-slab depressurization system (SSDS) installation indoor air sampling completed in December 2018, as well as pre-design indoor air and sub-slab sampling completed at this location in September 2017, produced compliant results. This summary letter includes a figure in Attachment 1, a summary table in Attachment 2, analytical report in Attachment 3, and field notes, including a building survey, in Attachment 4.

In December 2020, Environmental Advantage, Inc., (EA) collected summa air canister samples at six indoor locations and one outdoor location and submitted the air canister samples to Alpha Analytical to be analyzed for the presence of volatile organic

[1] "Site Management Plan for MOD-PAC Site, 1801 Elmwood Avenue, City of Buffalo, Erie County, New York, Site No. C915314" prepared by C&S Engineers, Inc., December 2019
2 "Periodic Review Report – April 2021 – Revised; DEC Site #C911532 report dated July 2021" prepared by Environmental Advantage, Inc., July 2021.

compounds (VOCs) via USEPA method TO-15. TCE was detected at a concentration of 2.96 ug/m^3 in IA-6 (121120) collected from sample location IA-6, which exceeds its respective New York State Department of Health (NYSDOH) Air guideline value of 2ug/m^3. As a result of this December 2020 exceedance, EA collected a second indoor air sample from this location in February 2020. TCE was again detected at a concentration of 2.96 ug/m^3 in the IA-6 (021821) air sample. It should be noted that sampling location IA-6 is located in a pass-through hallway containing mailboxes and is not permanently occupied. Please see Figure 1 (Attachment 1) for the placement of summa air canisters to collect indoor air samples.

Due to these exceedances, EA contacted the Site Owner, Mr. Rocco Termini, and recommended that this hallway be better ventilated. On March 26, 2021, Mr. Termini had a ceiling exhaust fan installed within the hallway in an attempt to improve ventilation. Following the installation of the exhaust fan, EA collected a third indoor air sample from this location on March 31, 2021, identified as IA-6 (033121). TCE was detected at a concentration of 14 ug/m^3 in IA-6 (033121), which exceeds both its respective NYSDOH Air guideline value and Commercial Indoor Air Background (90th percentile) level[3] of 2 ug/m^3 and 4.2 ug/m^3, respectively.

In consideration of the March 2021 results, EA surmised that the more elevated results observed may be related to the ceiling fan creating a negative pressure within the hallway, even though there is no historical record of any underlying concrete slab or subslab TCE contamination in this area of the facility based on the pre-design sampling results collected in September 2017. For strictly test protocol purposes, EA collected an air sample on June 17, 2021, identified as IA-6 (061721). During the sample collection, the two man-door entrances were 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 in IA-6 (061721), which is below its respective NYSDOH Air guideline value and Commercial Indoor Air Background (90th percentile) level of 2 ug/m^3 and 4.2 ug/m^3, respectively. Based on these results, Mr. Termini proposed to install two approximate 8-inch by 8-inch passive vents within the man-door entrances to allow the infiltration of fresh outdoor air which was proposed to the Department in the July 16, 2021 Summary Letter – June 2021 Indoor Air Sampling Results[4] letter report. The Department approved the passive door vent installation remedy and requested additional air sampling post-installation as detailed in the August 4, 2021 Periodic Review Report & June 2021 Indoor Air Sampling Results Response Letter[5].

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, during the 'heating season' as defined by NYSDOH (November 15th to March 31st), annual indoor and outdoor air samples (with a duplicate) were collected from IA-1 through IA-6, and

3 EPA 2001: Building Assessment and Survey Evaluation (BASE) Database as incorporated into the "Guidance for Evaluating Soil Vapor Intrusion in the State of New York," prepared by the New York State Department of Health, October 2006.
4 "Summary Letter – June 2021 Indoor Air Sampling Results" prepared by Environmental Advantage, Inc., July 2021.
5 "Site Management (SM) – Periodic Review Report (PRR) & June 2021 Indoor Air Sampling Results Response Letter" prepared by Megan Kuczka of NYSDEC, August 4, 2021.

OA-1 for the presence of VOCs via TO-15 analysis. At the direction of the NYSDEC[4], post passive vent installation indoor air samples were collected as well at this time from two rooms adjacent to the mail room (location of IA-6) designated as IA-7 and IA-8. Please see Figure 1 for the location of indoor air sample collection.

Post-vent installation yielded acceptable results at the IA-6 location as had been anticipated with TCE detected at a concentration of 1.73 ug/m^3 in IA-6 (120221), which is below its respective NYSDOH Air Guideline value and NYSDOH Commercial Indoor Air Background (90th percentile) level of 2 ug/m^3 and 4.2 ug/m^3, respectively. However, TCE was detected at a concentration of 17.5 ug/m^3 at IA-7 (120221) and 18.0 ug/m^3 at IA-8 (120221), which is above the NYSDOH Air Guideline value and Commercial Indoor Air Background (90th percentile) level. IA-7 is located in the southern adjacent room which is currently part of Blackbird Cider Works and is utilized for storage of kegs, dry goods, and other restaurant supplies, and IA-8 is located in the eastern adjacent room which is currently also part of Blackbird Cider Works and is currently utilized for restaurant seating. A doorway is located between where IA-7 and IA-8 were located and the door was left open during sampling activities. A summary table of the historical and current December 2021 air sampling results is included in Attachment 2, and current December 2021 analytical report is included in Attachment 3. A building inventory which was completed prior to the December 2021 sample collection is included in Attachment 4.

A review of the historical remedial data associated with the areas around IA-6, IA-7, and IA-8, reveals no pre or post Interim Remedial Measure (IRM) soil concentrations of TCE or other NYSDOH priority chlorinated VOCs (CVOCs) and pre-design air samples collected to determine the need for the SSDS systems currently in place in other areas of the building exhibited “no further action” in this area due to non-detect sub-slab and indoor air concentration of 0.64 ug/m^3 for TCE. Historical remedial data is presented in the Site’s Final Engineering Report (FER), dated December 14, 2017[6].

According to the NYSDOH Soil Vapor/Indoor Air Matrix A, 2017 update[7], the appropriate action with a sub-slab concentration of less than 6 ug/m^3 with an accompanying indoor air concentration of 1 ug/m^3 and above for TCE is to “identify source(s) and resample or mitigate”. Although sub-slab concentrations of TCE were non-detect in this area, further investigation into the source of the TCE in this area of the building is warranted. The next step is to complete sub-slab air sampling accompanied by corresponding indoor air sampling to identify if there is an unidentified source area that was either not previously investigated, or if building development may have created a pathway for sub-slab vapors which was not present during pre-SSDS design soil vapor intrusion (SVI) assessment. EA has learned that this plumbing infrastructure was installed underneath the vicinity of where IA-7 (120221) and IA-8

6 “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.
7 “Guidance for Evaluating Soil Vapor Intrusion in New York State” prepared by NYSDOH, October 2006, updated May 2017.

(120221) within the Blackbird Cider Works. EA will develop a sampling location plan, and submit it to the Department for review and approval. Careful attention must be given to Blackbird Cider Works to avoid any disruption of their business operations.

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

Very truly yours,
ENVIRONMENTAL ADVANTAGE, INC.

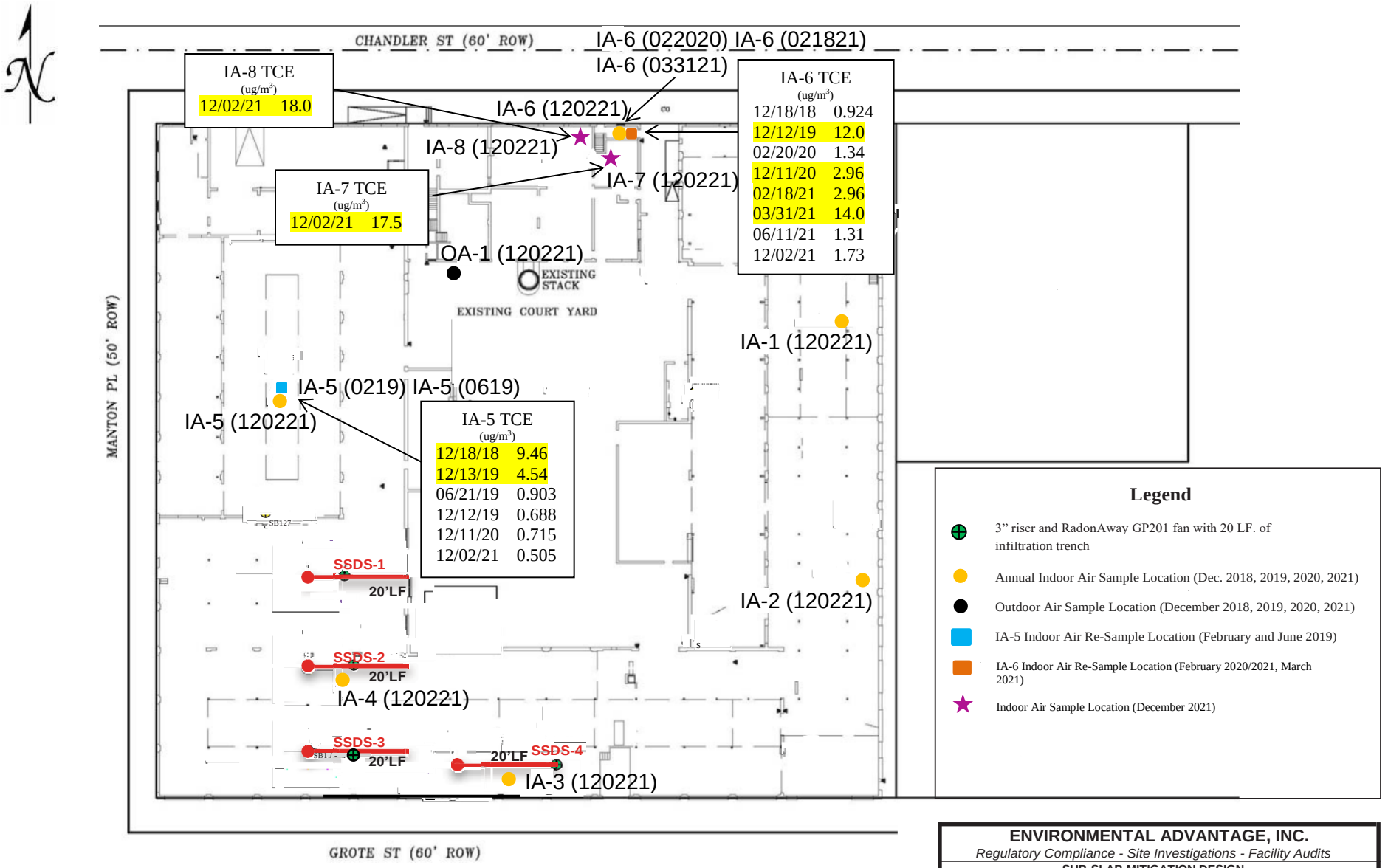
C. Mark Hanna, CHMM
President

Attachments

cc: R. Termini (Pierce Arrow)
J. Rothschild (WNY Lofts)
S. Selmer NYSDOH

ATTACHMENT 1

FIGURE



SUB-SLAB MIGRATION SYSTEM

N.T.S.

AS-BUILT

ENVIRONMENTAL ADVANTAGE, INC.		
Regulatory Compliance - Site Investigations - Facility Audits		
SUB-SLAB MITIGATION DESIGN **INDOOR AIR SAMPLING LOCATIONS** 155 and 157 CHANDLER STREET BUFFALO, NEW YORK		
R & M LEASING LLC BUFFALO, NEW YORK		
DRAWN BY: LSH CHECKED BY: EB	SCALE: NOT TO SCALE DATE: 01/22	FIGURE 1

ATTACHMENT 2

TABLE

Table 1
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/m^3)																						
1,2,4-Trichlorobenzene	<6.8	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	9.5	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	<0.9	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-trimethylpentane	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	98.9	NV	14.4	11.9	11.8 J	8.46 J	15.7	14.6	12.4	7.98 J	17.6	21.1	13.3	8.29 J	11.7 J	113	24.7	24	8.20	9.93 J	195	194
Benzene	9.4	NV	ND	0.744	0.824 J	0.684	ND	ND	0.764	0.687	ND	ND	0.652	ND	0.642	0.85	ND	ND	0.684	ND	ND	ND
Carbon disulfide	4.2	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.24	1.35	1.36	1.94	1.42	ND	ND	ND	ND	ND	ND
Carbon tetrachloride*	<1.3	NV	0.591	0.579	0.572 J	0.522	0.579	0.566	0.598	0.516	0.554	0.541	0.491	0.428	0.453	0.434	0.711	0.723	0.516	0.384	0.472	0.491
Chloroform	1.1	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.66
Chloromethane	3.7	NV	1.25	1.19	1.16 J	1.07	1.16	1.14	1.22	1.07	1.14	2.24	1.18	1.02	1.06	1.13	2.95	1.13	1.11	1.04	1.14	1.21
cis-1,2-Dichloroethene*	<1.9	NV	ND	ND	ND	ND	ND	ND	ND	0.186	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	16.5	NV	1.63	2.59	2.59 J	2.20	2.78	1.68	2.70	2.12	2.82	2.4	2.58	2.02	2.06	2.51	1.78	1.66	2.57	2.04	2.61	2.73
Ethanol	210	NV	155	298	352 J	230	176	207	224	215	198	307	931	590	803	5310 R1	148	144	392	1,330	100	96.3
Ethyl acetate	5.4	NV	ND	6.85	7.03 J	6.45	ND	ND	9.30	7.24	ND	26.5	231	186	284	140	3.29	3.33	60.5	12.4	ND	ND
Ethylbenzene	5.7	NV	2.49	0.869	0.873 J	1.02	ND	2.32	0.877	1.33	ND	2.76	ND	ND	ND	ND	2.79	2.82	ND	ND	ND	ND
Heptane	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.09	ND	ND	ND	ND	2.49	2.7
Hexane (n-Hexane)	NV	NV	ND	0.888	0.962 J	1.34	ND	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

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/m^3)																											
1,2,4-Trichlorobenzene	<6.8	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.98	ND	ND	ND	<6.4
1,2,4-Trimethylbenzene	9.5	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	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	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	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	874	820	ND	ND	ND	13.8	57
Ethyl acetate	5.4	NV	15.9	3.2	3.28	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	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	902 R1	733 R1	ND	ND	ND	6.64	NV
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	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	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	1.44	1.37	1.16	1.24	ND	1.34	4.3

Notes:

1. Compounds detected in one or more samples included in this table. For a list of all compounds, refer to analytical report.
2. Analytical testing for VOCs via TO-15 completed by Alpha Laboratories. * = samples analyzed for volatile organics in air by SIM.
3. Results present in ug/m^3 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 Guidance 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. Blue shading represents the samples collected during December 2021.
8. No shading represents the samples most previously collected during the 2018-2020 PRR Reporting Periods.
9. Grey shaded values represent exceedance of table C2 guidance values; yellow shaded values represent exceedance of NYSDOH Air Guidance Values.
10. ND = Non Detect; NV = No Value; R1 = Analytical results are from sample re-analysis.
11. 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.
12. Red values represent updated values based on data validation.

Environmental Advantage

ATTACHMENT 3

ANALYTICAL REPORT

Environmental Advantage

ANALYTICAL REPORT

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

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

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

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

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

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

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

Case Narrative

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

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

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

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

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

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

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

Case Narrative (continued)

Volatile Organics in Air

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

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

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 12/17/21

AIR

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

SAMPLE RESULTS

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

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

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

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.503	0.200	--	2.49	0.989	--		1
Chloromethane	0.573	0.200	--	1.18	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	75.8	5.00	--	143	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	133	1.00	--	316	2.38	--		1
Trichlorofluoromethane	0.240	0.200	--	1.35	1.12	--		1
Isopropanol	869	0.500	--	2140	1.23	--	E	1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.603	0.500	--	2.09	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.568	0.500	--	1.68	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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	0.470	0.200	--	1.66	0.705	--		1
Benzene	0.273	0.200	--	0.872	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.514	0.200	--	2.11	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.652	0.200	--	2.46	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.434	0.400	--	1.89	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/15/21 19:03
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	0.067	0.020	--	0.266	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.094	0.020	--	0.591	0.126	--		1
Trichloroethene	0.094	0.020	--	0.505	0.107	--		1

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/16/21 06:29
Analyst: RY

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

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/15/21 19:42
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	0.553	0.200	--	1.14	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	53.3	5.00	--	100	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	82.1	1.00	--	195	2.38	--		1
Trichlorofluoromethane	0.221	0.200	--	1.24	1.12	--		1
Isopropanol	587	0.500	--	1440	1.23	--	E	1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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	0.265	0.200	--	0.934	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.608	0.200	--	2.49	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.326	0.200	--	1.23	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/15/21 19:42
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	0.075	0.020	--	0.472	0.126	--		1
Trichloroethene	0.030	0.020	--	0.161	0.107	--		1

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/16/21 07:05
Analyst: RY

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

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

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

SAMPLE RESULTS

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

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

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

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.552	0.200	--	2.73	0.989	--		1
Chloromethane	0.584	0.200	--	1.21	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	51.1	5.00	--	96.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	81.5	1.00	--	194	2.38	--		1
Trichlorofluoromethane	0.227	0.200	--	1.28	1.12	--		1
Isopropanol	584	0.500	--	1440	1.23	--	E	1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.16	0.200	--	5.66	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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	0.257	0.200	--	0.906	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.659	0.200	--	2.70	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.321	0.200	--	1.21	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/15/21 20:21
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	0.078	0.020	--	0.491	0.126	--		1
Trichloroethene	0.030	0.020	--	0.161	0.107	--		1

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/16/21 07:41
Analyst: RY

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

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

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

SAMPLE RESULTS

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

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

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

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.508	0.200	--	2.51	0.989	--		1
Chloromethane	0.546	0.200	--	1.13	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	2640	5.00	--	4970	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	47.4	1.00	--	113	2.38	--		1
Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--		1
Isopropanol	264	0.500	--	649	1.23	--	E	1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.455	0.200	--	1.42	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	38.8	0.500	--	140	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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	0.214	0.200	--	0.754	0.705	--		1
Benzene	0.266	0.200	--	0.850	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.511	0.200	--	2.09	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.251	0.200	--	0.946	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.565	0.400	--	2.45	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.219	0.200	--	0.951	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/15/21 21:00
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	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	0.022	0.020	--	0.118	0.107	--		1

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/16/21 08:17
Analyst: RY

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

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

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

SAMPLE RESULTS

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

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

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

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.542	0.200	--	2.68	0.989	--		1
Chloromethane	0.553	0.200	--	1.14	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	7.30	5.00	--	13.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.28	1.00	--	7.79	2.38	--		1
Trichlorofluoromethane	0.239	0.200	--	1.34	1.12	--		1
Isopropanol	2.70	0.500	--	6.64	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.22	0.500	--	4.24	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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	0.436	0.200	--	1.54	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.388	0.200	--	1.46	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/15/21 21:39
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	0.084	0.020	--	0.528	0.126	--		1
Trichloroethene	0.023	0.020	--	0.124	0.107	--		1

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

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

SAMPLE RESULTS

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

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

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

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.534	0.200	--	2.64	0.989	--		1
Chloromethane	0.641	0.200	--	1.32	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	464	5.00	--	874	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	64.0	1.00	--	152	2.38	--		1
Trichlorofluoromethane	0.257	0.200	--	1.44	1.12	--		1
Isopropanol	342	0.500	--	841	1.23	--	E	1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.07	0.500	--	3.72	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	0.841	0.500	--	3.03	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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	1.60	0.200	--	5.64	0.705	--		1
Benzene	0.421	0.200	--	1.34	0.639	--		1
Cyclohexane	0.430	0.200	--	1.48	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	0.308	0.200	--	1.44	0.934	--		1
Heptane	1.22	0.200	--	5.00	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.86	0.200	--	10.8	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.289	0.200	--	1.26	0.869	--		1
p/m-Xylene	1.16	0.400	--	5.04	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.399	0.200	--	1.73	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.218	0.200	--	1.07	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/15/21 22:17
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	0.104	0.020	--	0.412	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.160	0.020	--	1.01	0.126	--		1
Trichloroethene	3.26	0.020	--	17.5	0.107	--		1

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/16/21 08:53
Analyst: RY

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

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

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

SAMPLE RESULTS

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

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

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

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.548	0.200	--	2.71	0.989	--		1
Chloromethane	0.602	0.200	--	1.24	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	435	5.00	--	820	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	51.9	1.00	--	123	2.38	--		1
Trichlorofluoromethane	0.244	0.200	--	1.37	1.12	--		1
Isopropanol	320	0.500	--	787	1.23	--	E	1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	0.731	0.500	--	2.63	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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	1.66	0.200	--	5.85	0.705	--		1
Benzene	0.441	0.200	--	1.41	0.639	--		1
Cyclohexane	0.455	0.200	--	1.57	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	0.315	0.200	--	1.47	0.934	--		1
Heptane	0.665	0.200	--	2.73	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.99	0.200	--	7.50	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.265	0.200	--	1.15	0.869	--		1
p/m-Xylene	1.06	0.400	--	4.60	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.368	0.200	--	1.60	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/15/21 22:56
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	0.093	0.020	--	0.369	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.143	0.020	--	0.900	0.126	--		1
Trichloroethene	3.35	0.020	--	18.0	0.107	--		1

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/16/21 09:30
Analyst: RY

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

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

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

SAMPLE RESULTS

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

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

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

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.512	0.200	--	2.53	0.989	--		1
Chloromethane	0.540	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	62.2	5.00	--	117	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.46	1.00	--	20.1	2.38	--		1
Trichlorofluoromethane	0.227	0.200	--	1.28	1.12	--		1
Isopropanol	32.6	0.500	--	80.1	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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	0.272	0.200	--	0.959	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.335	0.200	--	1.26	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/15/21 23:35
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	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	0.321	0.020	--	1.73	0.107	--		1

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

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

SAMPLE RESULTS

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

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

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

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.562	0.200	--	2.78	0.989	--		1
Chloromethane	0.563	0.200	--	1.16	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	93.3	5.00	--	176	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.63	1.00	--	15.7	2.38	--		1
Trichlorofluoromethane	0.237	0.200	--	1.33	1.12	--		1
Isopropanol	8.35	0.500	--	20.5	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/16/21 00:14
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	0.092	0.020	--	0.579	0.126	--		1
Trichloroethene	0.181	0.020	--	0.973	0.107	--		1

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

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

SAMPLE RESULTS

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

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

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

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.570	0.200	--	2.82	0.989	--		1
Chloromethane	0.551	0.200	--	1.14	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	105	5.00	--	198	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.43	1.00	--	17.6	2.38	--		1
Trichlorofluoromethane	0.237	0.200	--	1.33	1.12	--		1
Isopropanol	13.0	0.500	--	32.0	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.11	0.500	--	3.27	1.47	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.284	0.200	--	1.07	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.509	0.400	--	2.21	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.217	0.200	--	0.943	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1

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

SAMPLE RESULTS

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

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

Sample Depth:

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								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

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

SAMPLE RESULTS

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/16/21 00:53
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	0.088	0.020	--	0.554	0.126	--		1
Trichloroethene	0.161	0.020	--	0.865	0.107	--		1

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

Project Name: CY2021 SMP INDOOR AIR SAMPLING **Lab Number:** L2166417

Project Number: 01101 **Report Date:** 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/15/21 16:30

Parameter	ppbV 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): 01-10 Batch: WG1583859-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: CY2021 SMP INDOOR AIR SAMPLING **Lab Number:** L2166417

Project Number: 01101 **Report Date:** 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/15/21 16:30

Parameter	ppbV 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): 01-10 Batch: WG1583859-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

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

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/15/21 16:30

Parameter	ppbV 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): 01-10 Batch: WG1583859-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 12/15/21 17:09

Parameter	ppbV 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): 01-10 Batch: WG1583860-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2021 SMP INDOOR AIR SAMPLING

Project Number: 01101

Lab Number: L2166417

Report Date: 12/17/21

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2021 SMP INDOOR AIR SAMPLING

Project Number: 01101

Lab Number: L2166417

Report Date: 12/17/21

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2021 SMP INDOOR AIR SAMPLING

Project Number: 01101

Lab Number: L2166417

Report Date: 12/17/21

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

Lab Control Sample Analysis
Batch Quality Control

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

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

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

Project Name: CY2021 SMP INDOOR AIR SAMPLING **Lab Number:** L2166417

Project Number: 01101 **Report Date:** 12/17/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2166417-01	IA-5 (120221)	0321	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.5	0
L2166417-01	IA-5 (120221)	1723	2.7L Can	11/30/21	371693	L2164399-01	Pass	-29.3	-7.5	-	-	-	-
L2166417-02	IA-4 (120221)	01379	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.7	4
L2166417-02	IA-4 (120221)	3408	2.7L Can	11/30/21	371693	L2164399-01	Pass	-29.2	-4.8	-	-	-	-
L2166417-03	IA-4 (120221) DUP.	01472	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	3.8	17
L2166417-03	IA-4 (120221) DUP.	3184	2.7L Can	11/30/21	371693	L2164399-01	Pass	-29.3	-5.4	-	-	-	-
L2166417-04	IA-3 (120221)	0292	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.5	0
L2166417-04	IA-3 (120221)	2737	2.7L Can	11/30/21	371693	L2164399-01	Pass	-29.2	-3.7	-	-	-	-
L2166417-05	OA-1 (120221)	0960	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.3	5
L2166417-05	OA-1 (120221)	2384	2.7L Can	11/30/21	371693	L2164399-01	Pass	-28.2	-4.8	-	-	-	-
L2166417-06	IA-7 (120221)	0139	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.2	7
L2166417-06	IA-7 (120221)	538	2.7L Can	11/30/21	371693	L2164399-01	Pass	-29.4	-6.2	-	-	-	-
L2166417-07	IA-8 (120221)	01369	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.7	4
L2166417-07	IA-8 (120221)	561	2.7L Can	11/30/21	371693	L2163998-01	Pass	-29.2	-6.2	-	-	-	-
L2166417-08	IA-6 (120221)	0958	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.2	7

Project Name: CY2021 SMP INDOOR AIR SAMPLING **Lab Number:** L2166417

Project Number: 01101 **Report Date:** 12/17/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2166417-08	IA-6 (120221)	2192	2.7L Can	11/30/21	371693	L2164399-01	Pass	-29.4	0.0	-	-	-	-
L2166417-09	IA-1 (120221)	01627	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	4.7	4
L2166417-09	IA-1 (120221)	3458	2.7L Can	11/30/21	371693	L2164399-01	Pass	-29.2	-7.5	-	-	-	-
L2166417-10	IA-2 (120221)	0059	Flow 5	11/30/21	371693		-	-	-	Pass	4.5	3.0	40
L2166417-10	IA-2 (120221)	2239	2.7L Can	11/30/21	371693	L2163998-01	Pass	-29.3	-7.7	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2163998
Report Date: 12/17/21

Air Canister Certification Results

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/22/21 00:28
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: L2163998
Report Date: 12/17/21

Air Canister Certification Results

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

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

Sample Depth:

Parameter	ppbV 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: L2163998
Report Date: 12/17/21

Air Canister Certification Results

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

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

Sample Depth:

Parameter	ppbV 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: L2163998
Report Date: 12/17/21

Air Canister Certification Results

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

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

Sample Depth:

Parameter	ppbV 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: L2163998
Report Date: 12/17/21

Air Canister Certification Results

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

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

Sample Depth:

Parameter	ppbV 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	102		60-140
Bromochloromethane	110		60-140
chlorobenzene-d5	134		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2163998
Report Date: 12/17/21

Air Canister Certification Results

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/22/21 00:28
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 **Lab Number:** L2163998

Project Number: CANISTER QC BAT **Report Date:** 12/17/21

Air Canister Certification Results

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

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

Sample Depth:

Parameter	ppbV 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	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2163998

Project Number: CANISTER QC BAT **Report Date:** 12/17/21

Air Canister Certification Results

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

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

Sample Depth:

Parameter	ppbV 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	100		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	100		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2164399
Report Date: 12/17/21

Air Canister Certification Results

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/22/21 18:42
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: L2164399
Report Date: 12/17/21

Air Canister Certification Results

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

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

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2164399
Report Date: 12/17/21

Air Canister Certification Results

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

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

Sample Depth:

Parameter	ppbV 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: L2164399
Report Date: 12/17/21

Air Canister Certification Results

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

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

Sample Depth:

Parameter	ppbV 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: L2164399
Report Date: 12/17/21

Air Canister Certification Results

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

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

Sample Depth:

Parameter	ppbV 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	96		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2164399
Report Date: 12/17/21

Air Canister Certification Results

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

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/22/21 18:42
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: L2164399
Report Date: 12/17/21

Air Canister Certification Results

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

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

Sample Depth:

Parameter	ppbV 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	0.107	0.020	--	0.726	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2164399

Project Number: CANISTER QC BAT **Report Date:** 12/17/21

Air Canister Certification Results

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

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

Sample Depth:

Parameter	ppbV 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	100		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140

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

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

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2166417-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2166417-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2166417-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2166417-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2166417-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2166417-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2166417-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2166417-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2166417-09A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2166417-10A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

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

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

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

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report

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

Data Qualifiers

the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

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

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

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

PAGE 1 OF

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

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

ALPHA Job #: L2166417

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: CY2021 SMP Indoor 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) mszustak@envadvantage.com

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 (Subject Non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
L66417-01	IA-5 (120221)	12/2/21	8:50am	4:50pm	29.02"	-6.89"	AA	EB	2.7L	1723	0321	X					0.0ppm
02	IA-4 (120221)	12/2/21	8:55am	4:55pm	29.06"	-4.48"	AA	EB	2.7L	3408	01379	X					0.0ppm
03	IA-4 (120221) Dup.	12/2/21	8:55am	4:55pm	28.86"	-5.09"	AA	EB	2.7L	3184	01472	X					0.0ppm
04	IA-3 (120221)	12/2/21	9:00am	5:00pm	29.08"	-3.17"	AA	EB	2.7L	2757	0292	X					0.0ppm
05	OA-1 (120221)	12/2/21	9:05am	5:05pm	27.82"	-5.98"	AA	EB	2.7L	3384	0960	X					0.0ppm
06	IA-7 (120221)	12/2/21	9:10am	5:10pm	29.02"	-5.66"	AA	EB	2.7L	538	0139	X					0.0ppm
07	IA-8 (120221)	12/2/21	9:12am	5:12pm	29.13"	-5.82"	AA	EB	2.7L	561	01369	X					0.0ppm
08	IA-6 (120221)	12/2/21	9:15am	5:15pm	29.37"	-0.05"	AA	EB	2.7L	2192	0958	X					0.0ppm
09	IA-1 (120221)	12/2/21	9:17am	5:17pm	29.70"	-7.12"	AA	EB	2.7L	3458	01627	X					0.0ppm
10	IA-2 (120221)	12/2/21	9:20am	5:20pm	29.30"	-6.92"	AA	EB	2.7L	2239	0059	X					0.0ppm Flow controller would not zero. Stayed @ 12.44"

*SAMPLE MATRIX CODES

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

Error -69.81

Container Type: CS

Relinquished By:	Date/Time	Received By:	Date/Time:
Mary M Szustak	12/3/21 9:37A	AAL UPS	12/03/21 9:37
UPS	12/03/21 10:10		12/6/21 11:47

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

ATTACHMENT 4

FIELD NOTES

Environmental Advantage

Soil Vapor Intrusion - Structure Sampling Building Questionnaire **Structure ID :** _____

Site No. : C915312 **Site Name :** Pierce Arrow Business center

Date: 12/02/2021 **Time:** 7:00 am

Structure Address : 155-157 Chandler st. Buffalo, NY

Preparer's Name & Affiliation : Eric Betzold, Environmental Consultant

Residential ? ☐ Yes ☐ No **Owner Occupied ?** ☐ Yes ☐ No **Owner Interviewed ?** ☐ Yes ☐ No

Commercial ? ☐ Yes ☐ No **Industrial ?** ☐ Yes ☐ No **Mixed Uses ?** ☒ Yes ☐ No

Identify all non-residential use(s) : Utilant (computer software), Barrel & Brine (Restaurant), AndersenTax, Great Lakes Processing services, LLC, ODL orthodontics, Blackbird cidery.

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

Secondary Owner Phone : ( ) _____ - _____

Owner Address (if different) : 391 Washington st. Buffalo, NY 14203

Occupant Name : Six various Commercial Leasees **Occupant Phone :** ( ) _____ - _____

Secondary Occupant Phone : ( ) _____ - _____

Number & Age of All Persons Residing at this Location : Approx. 10 people (2nd floor)

Additional Owner/Occupant Information : N/A

Describe Structure (style, number floors, size) : Refurbished industrial use space into mixed use site. 1-2 stories, Brick exterior, Flat rubber membrane roof, (85,000 ft²)

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

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

Describe Lowest Level (finishing, use, time spent in space) : Remodeled commercial space. occupants spend 8-12 hrs per day in these areas

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 drains throughout Facility. Please note: None in IA-6 sample location

Identify other floor penetrations & details : None

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

Identify any wall penetrations : overhead garage doors @ Blackbird cidery.

Identify water, moisture, or seepage: location & severity (sump, cracks, stains, etc) : None

Heating Fuel : ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other : _____

Heating System : ☒ Forced Air ☐ Hot Water ☐ Other : _____

Hot Water System : ☒ Combustion ☐ Electric ☐ Boilermate ☐ Other: _____

Clothes Dryer : ☐ Electric ☐ Gas Where is dryer **vented** to? N/A

If combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.) : Roof-top HVAC Units. Cold air is drawn from Exterior.

Fans & Vents (identify where fans/vents pull air from and where they vent/exhaust to) : Exhaust fan was installed near 'IA-6' sample location, in March 2021. Passive vents were installed in November 2021 near 'IA-6' location.

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

None

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

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

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

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

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

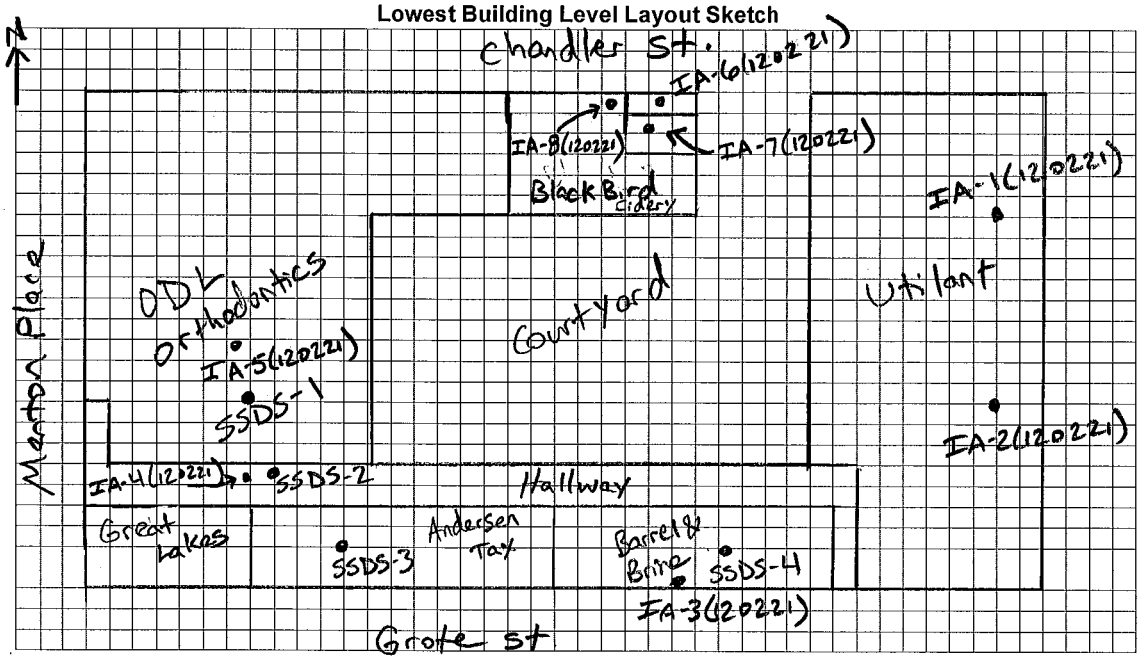
Do any building occupants use solvents at work ? ☐ Yes ☒ No Describe : _____

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

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

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

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: 12/02/2021

Samplers & Company: Eric Betzold

Structure ID: C915312

Site Number & Name: C915312; Pierce Arrow Business Center

Phone Number: -

Make & Model of PID: Honeywell Mini RAE 3000 +

Date of PID Calibration: 12/02/2021

Identify any Changes from Original Building Questionnaire: None

Product Name/Description	Quantity	Chemical Ingredients	PID Reading	Location
Paint	1	Titanium Dioxide	0.0	Near IA-7

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLC Project No.: 01101

Site Name & Address: 155 Chandler Street Buffalo, NY

Person(s) Performing Sampling: Eric Betzold

Sample Identification: IA-1(120221)

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

Date of Collection: 12/2/2021 Setup Time: 9:17 am Stop Time: 5:17 Pm

Sample Depth: —

Sample Height: 4'

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

Purge Volume: —

Sample Volume: 2.7 L

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

Canister # 3458 Regulator # 01627

Vacuum Pressure of Canister Prior to Sampling: -29.70"

Vacuum Pressure of Canister After Sampling: -7.12"

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: low

Soil Type in Sampling Zone: —

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

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

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments: Ambient air - 0.0ppm

Sampler's Signature: Eric J Betzold Date: 12/2/21

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLC Project No.: 01101

Site Name & Address: 155 Chandler Street Buffalo, NY

Person(s) Performing Sampling: Eric Betzold

Sample Identification: IA-2 (120221)

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

Date of Collection: 12/2/2021 Setup Time: 9:20am Stop Time: 5:20Pm

Sample Depth: —

Sample Height: 4'

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

Purge Volume: —

Sample Volume: 2.7 L

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

Canister # 2239 Regulator # 0059

Vacuum Pressure of Canister Prior to Sampling: -29.30"

Vacuum Pressure of Canister After Sampling: -6.92"

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: —

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

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

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments: Ambient air - 0.0 PPm

Sampler's Signature Eric Betzold Date: 12/2/21

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLC Project No.: 01101

Site Name & Address: 155 Chandler Street Buffalo, NY

Person(s) Performing Sampling: Eric Betzold

Sample Identification: IA-3(120221)

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

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

Sample Depth: —

Sample Height: 5'

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

Purge Volume: —

Sample Volume: 2.7 L

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

Canister # 2737 Regulator # 0292

Vacuum Pressure of Canister Prior to Sampling: -28.86"

Vacuum Pressure of Canister After Sampling: -5.09"

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: —

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

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

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments: Ambient air - 0.0 PPm

Sampler's Signature Eric J Betzold Date: 12/2/21

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLC Project No.: 01101

Site Name & Address: 155 Chandler Street Buffalo, NY

Person(s) Performing Sampling: Eric Betzold

Sample Identification: IA-4 (120221)

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

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

Sample Depth: –

Sample Height: 4'

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

Purge Volume: –

Sample Volume: 2.7 L

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

Canister # 3408 Regulator # 01379

Vacuum Pressure of Canister Prior to Sampling: -29.06"

Vacuum Pressure of Canister After Sampling: -4.48"

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: –

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

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

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments: Ambient air - 0.0ppm

Sampler's Signature [signature] Date: 12/2/21

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLC Project No.: 01101

Site Name & Address: 155 Chandler Street Buffalo, NY

Person(s) Performing Sampling: Eric Betzold

Sample Identification: IA-4(120221) Dup.

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

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

Sample Depth: —

Sample Height: 4'

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

Purge Volume: —

Sample Volume: 2.7L

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

Canister # 3184 Regulator # 01472

Vacuum Pressure of Canister Prior to Sampling: -28.86"

Vacuum Pressure of Canister After Sampling: -5.09"

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: —

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

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

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments: Ambient Air - 0.0 ppm

Sampler's Signature [signature] Date: 12/2/21

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLC Project No.: 01101

Site Name & Address: 155 Chandler Street Buffalo, NY

Person(s) Performing Sampling: Eric Betzold

Sample Identification: IA-5(12022021)

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

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

Sample Depth: —

Sample Height: 4'

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

Purge Volume: —

Sample Volume: 2.7 L

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

Canister # 1723 Regulator # 0321

Vacuum Pressure of Canister Prior to Sampling: -29.02"

Vacuum Pressure of Canister After Sampling: -6.89"

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: low

Soil Type in Sampling Zone: —

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

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

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments: Ambient Air - 0.0 ppm

Sampler's Signature [signature] Date: 12/2/21

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLC Project No.: 01101

Site Name & Address: 155 Chandler Street Buffalo, NY

Person(s) Performing Sampling: Eric Betzold

Sample Identification: IA-6(120221)

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

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

Sample Depth: —

Sample Height: 5'

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

Purge Volume: —

Sample Volume: 2.7L

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

Canister # 2192 Regulator # 0958

Vacuum Pressure of Canister Prior to Sampling: -29.37"

Vacuum Pressure of Canister After Sampling: -0.05"

Temperature in Sampling Zone: 60°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: —

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

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

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments: Ambient Air - 0.0ppm

Sampler's Signature [signature] Date: 12/2/21

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLC Project No.: 01101

Site Name & Address: 155 Chandler Street Buffalo, NY

Person(s) Performing Sampling: Eric Betzold

Sample Identification: IA-7(120221)

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

Date of Collection: 12/2/2021 Setup Time: 9:10am Stop Time: 5:10Pm

Sample Depth: —

Sample Height: 4'

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

Purge Volume: —

Sample Volume: 2.7 L

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

Canister # 538 Regulator # 0139

Vacuum Pressure of Canister Prior to Sampling: -29.02"

Vacuum Pressure of Canister After Sampling: -5.66"

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: —

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

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

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments: Ambient air - 0.0ppm

Sampler's Signature Date: 12/2/21

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLC Project No.: 01101

Site Name & Address: 155 Chandler Street Buffalo, NY

Person(s) Performing Sampling: Eric Betzold

Sample Identification: IA-8 (120221)

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

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

Sample Depth: –

Sample Height: 4'

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

Purge Volume: –

Sample Volume: 2.7 L

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

Canister # 561 Regulator # 01369

Vacuum Pressure of Canister Prior to Sampling: -29.13"

Vacuum Pressure of Canister After Sampling: -5.82"

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: –

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

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

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments: Ambient Air – 0.0ppm

Sampler's Signature Eric J Betzold Date: 12/2/21

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: R & M Leasing LLC Project No.: 01101

Site Name & Address: 155 Chandler Street Buffalo, NY

Person(s) Performing Sampling: Eric Betzold

Sample Identification: OA-1 (120221)

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

Date of Collection: 12/2/2021 Setup Time: 9:05am Stop Time: 5:05pm

Sample Depth: –

Sample Height: 5'

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

Purge Volume: –

Sample Volume: 2.7L

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

Canister # 2384 Regulator # 0960

Vacuum Pressure of Canister Prior to Sampling: -27.82"

Vacuum Pressure of Canister After Sampling: -5.98"

Temperature in Sampling Zone: 45°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: –

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

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

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments: Ambient Air - 0.0 ppm

Sampler's Signature [signature] Date: 12/2/21

ATTACHMENT 4

FIELD NOTES