2024 Periodic Review Report

Location:

Remington Rand Building
184 and 185 Sweeney Street
North Tonawanda, New York
NYSDEC BCP Site #C932142

Prepared for:

Gold Wynn Residential, LLC
11 Summer Street
Buffalo, New York

LaBella Project No. 2191060

June 19, 2024

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1.0 EXECUTIVE SUMMARY

The Remington Rand Building is located at 184 & 185 Sweeney Street, City of North Tonawanda, Niagara County, New York and is identified as Block 1 and Lot 21 on the Niagara County Tax Map (SBL # 185.09-1-21), herein after referred to as the "Site." A Site Location Map is included as Figure 1. The Site is a New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site (BCP Site #C932142) and was remediated in accordance with Brownfield Cleanup Agreement (BCA) Index No. B9-0780-08-06. This Periodic Review Report (PRR) is a required element of the approved Site Management Plan (SMP) dated September 2010 and associated addendum dated January 31, 2020, for the Site. This PRR covers the reporting period from May 20, 2023, to May 20, 2024.

1.1 Site Summary

The Site is an approximately 1.8-acre area bounded by Tremont Street to the north, Sweeney Street to the south, New York Central Railroad property to the east, and Marion Street to the west. The boundaries of the Site are more fully described on the ALTA Survey map provided herein in Appendix 1. The 1.8-acre Site includes a slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on-grade brick building adjoins the four-story building to the south. The remainder of the Site is occupied by asphalt/concrete and gravel parking areas with some green space. The Site Building area occupies approximately 1.2 acres of the 1.8-acre Site. A Site Base Map is included as Figure 2.

The following is a summary of the nature and extent of contamination from the Remedial Investigation (RI) and resulting remedial history:

Sub-Slab Vapor Investigation -The sub-slab vapor assessment program resulted in several volatile organic compounds (VOCs) detected in both the indoor/outdoor air samples and in the sub-slab vapor samples. To mitigate the sub-slab vapors in an area of elevated VOCs, a passive sub-slab depressurization system (SSDS) was installed under an Interim Remedial Measures (IRM) with provisions to make the system active (In-line fan installed). The SSDS and indoor air was sampled per the SMP and associated addendum as part of this periodic inspection and the results are discussed in Section 5.0.

Exterior Soils Investigation - Exterior surface and sub-surface soils exhibited elevated concentrations of polycyclic aromatic hydrocarbons (PAHs) and metals that exceeded NYSDEC Part 375 Residential and Restricted Residential Use soil cleanup objectives (SCOs). For the Site to meet Part 375 Restricted Residential Use SCOs, the top two feet of existing soil across the Site, exterior to the Site Building, was removed during the IRM and replaced with clean fill material. The removed soil was disposed off-site at a NYSDEC approved landfill. The majority of this open area was then covered with asphalt (driveways/parking), sidewalks, and minimal additional landscaping.

Sub-Slab Soils Investigation - Sub-slab soils exhibited only a few PAH and metal compounds that slightly exceeded Part 375 Residential and Restricted Residential Use SCOs. Based on the very low level of contamination detected and that the Site Building floor slab was to remain in place for the planned future development, no further remediation was recommended for this area.

Floor Drains/Pits Sediment Investigation – Sediment samples collected from the existing Site Building first floor drain/trench system and elevator pits exhibited concentrations of several metal compounds that exceeded Part 375 Residential and Restricted Residential Use SOCs. The sediments were removed from the drains/trenches and pits under an IRM and disposed off-site at an approved disposal facility.

Transformers - Transformer sampling conducted as part of the RI indicated that three of the ten existing transformers and both fluid reservoirs were absent of polychlorinated biphenyl (PCB) containing oil. Results from the remaining seven transformers indicated various concentrations of PCBs with the highest concentration detected at 250 parts per million (ppm). Some minor soil staining proximate specific transformers indicated elevated levels of PCBs in the surface-stained areas. Under an IRM, all transformers, contents and impacted soil were removed and disposed of properly.

Upon completion of the IRMs, remnant contamination remained in Site soil below the two-foot cover system. The final remedy for the Site included the establishment of an environmental easement that restricts future development to Restricted Residential Use and the establishment of engineering and institutional controls (IC/ECs) for the Site as stipulated in the SMP.

1.2 Effectiveness of Remedial Program

Based on a recent inspection of the Site and sub-slab air sampling conducted on May 2, 2024; the engineering and institutional controls are in place, are performing properly, and remain effective and protective of public health and the environment.

1.3 Non-Compliance

No areas of non-compliance regarding the major elements of the SMP were identified at the time of the preparation of this PRR.

1.4 Recommendations

Overall, the remedial program is viewed to be effective in achieving the remedial objectives for the Site. No changes to the SMP or the frequency of PRR submissions are recommended at this time.

2.0 SITE OVERVIEW

2.1 Nature and Extent of Contamination – RI Program

The Site Building sub-slab vapor assessment program resulted in several VOC compounds detected in both the indoor/outdoor air samples and in the sub-slab vapor samples. Based on the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in New York State, only one sample had concentrations indicating follow-up remediation.

The Site Building exterior surface and sub-surface soils analytical results confirmed the results of prior assessments completed on the Site which indicated elevated concentrations of PAHs and metals that exceeded Part 375 Restricted Residential SCOs.

The Site Building sub-slab soils assessment indicated only a few PAH and metal compounds that slightly exceeded Part 375 Restricted Residential SCOs. As the Site Building floor slab was to remain in place for the planned future development, no further remediation was recommended for this area.

Sediment samples collected from the existing Site Building first floor drain/trench system and elevator pits exhibited concentrations of several metal compounds that exceeded Part 375 Residential and Restricted Residential Use SOCs.

Groundwater assessment indicated that only two metal compounds were detected in two of the unfiltered samples which exceeded the NYSDEC Technical and Operational Guidance Series TOGS 1.1.1 Ambient Water Quality Standards (AWQS). No metal compounds were detected at concentrations exceeding AWQS in the filtered samples.

Since the Site is served by municipal water supply, and groundwater was not planned to be used for the new development, no further action related to groundwater was recommended.

Transformer sampling indicated that three of the ten existing transformers and both fluid reservoirs did not have PCB containing oil. Results from the remaining seven transformers indicated various concentrations of PCBs with the highest being 250 ppm. Some minor soil staining proximate specific transformers indicated elevated levels of PCBs in the surface-stained areas.

2.2 Remedial Program

The Site was remediated in accordance with the remedy selected by the NYSDEC in its decision document dated November 2010. The components of the selected remedy included implementation of IRMs with an Environmental Easement and IC/EC.

IRMs

Based on the findings of the RI program (see above), the following IRMs were completed:

- Installed a SSDS beneath a portion of the ground floor slab of the Site Building (June and August 2010).
- Removed the top two feet of impacted soil from outside the Site Building footprint from across the Site and replacement with two feet of clean fill and/or cement/asphalt paving sections (April and August 2010).
- Removed sediments and cleaned Site Building floor drains and elevator shafts (April and June 2010).
- Removed and disposed of PCB transformer fluids, transformers/enclosures, and any impacted soil/materials adjacent/below transformers (March 2010).

ICs/ECs

The final remedy for the Site was defined as performing no additional cleanup activities at the Site beyond that which was already performed as IRMs with implementation of ICs and ECs as follows:

- Execution and recording of an Environmental Easement to restrict land use to Restricted Residential Use per NYSDEC Part 375 regulations and prevent future exposure to any contamination remaining at the Site along with restricted use of groundwater.
- Development and implementation of a SMP for long term management of remaining contamination including operation, monitoring and maintenance of the SSDS as required by the Environmental Easement, which includes plans for IC/ECs.

There have been no changes to the selected remedy since remedy selection with the exception of the change of the passive SSDS to an active system in January 2019.

3.0 EFFECTIVENESS/COMPLIANCE OF THE REMEDIAL PROGRAM

There have been no changes or modifications to the implemented remedy (IRMs), with the exception of the activation of the SSDS as discussed above, based on the Site Wide Inspection completed under this PRR. The current Site use effectively meets, and is in compliance with, the ICs/ECs for the Site as discussed in Section 2.0.

4.0 IC/EC PLAN COMPLIANCE REPORT

4.1 Institutional Controls

The Site has a series of ICs in the form of Site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

- The Site may only be used for Restricted Residential Use provided that the long-term IC/ECs included in the SMP are employed;
- The Site may not be used for a higher level of use, such as Unrestricted Residential Use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the Site that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- The use of the groundwater underlying the Site is prohibited without testing and approval of the NYSDEC and NYSDOH; and,
- Vegetable gardens and farming on the Site are prohibited.

The current Site use meets all the IC requirements. There are no recommendations for changes to the ICs.

4.2 Engineering Controls

The following Engineering Control systems were inspected for compliance to SMP requirements:

4.2.1 Soil Cover

Exposure to remaining contamination in soil/fill at the Site is prevented by a cover system placed over the Site. This cover system is comprised of a minimum of 24 inches of clean soil, asphalt/concrete pavement sections (12 inches minimum depth) and the existing concrete Site Building slab. Before placement of cover material, a geotextile fabric layer was placed as a demarcation between the clean fill and the existing soil. The Excavation Work Plan that appears in Appendix A of the SMP outlines the procedures required to be implemented in the event the cover system is breached, penetrated, or temporarily removed and any underlying remaining contamination is disturbed.

The cover system was inspected by LaBella's Andrew Koons on May 2, 2024, and is in place with no apparent disturbances since its initial placement and is in compliance with the requirements of the SMP. The Site Wide Inspection Form is included in Appendix 2. Photographs taken at the time of the inspection are included in Appendix 3.

4.2.2 Sub-Sab Vapor Depressurization System

A passive SSDS was installed below the first-floor slab in the rear northeast end of the center section of the Site Building, south of the courtyard area. The system was designed to allow for conversion to an active SSDS by activating an in-line fan installed during the IRM.

The SSDS was converted to an active system in January 2019 and the in-line fan was confirmed operational by LaBella on May 2, 2024, and the associated caulk seams were observed to be in good condition. To evaluate the effectiveness of the SSDS, the SMP specifies sample collection from the vent stack and indoor air sampling of any unoccupied first-floor space that becomes occupied along with an ambient air sample. The air samples are to be analyzed for Target Compound List (TCL) VOCs by Environmental Protection Agency (EPA) Method TO-15. Monitoring of the SSDS and associated air sampling is discussed further in Section 5.0.

4.3 IC/EC Certification

The IC/EC Certification Form was completed in its entirety as all ICs/ECs are in place for the Site per the SMP. Appendix 4 includes the signed NYSDEC Site Management Periodic Review Report Notice-Institutional and Engineering Controls Certification Form.

5.0 MONITORING PLAN COMPLIANCE REPORT

5.1 Soil Cover System Monitoring

The soil cover was inspected and appears to be in place with no disturbances since its initial placement and is in compliance with the requirements of the SMP.

5.2 Sub-Slab Depressurization System Monitoring

A passive SSDS was installed in the rear northeast end of the center section of the Site Building, south of the courtyard area. The system was made active in January 2019 by activating the in-line fan installed during the IRM. The most recent round of sampling including collection of one sub-slab port sample (SS-Port), one indoor air sample from the recently occupied golf simulator and bar (IA-1) and one ambient outdoor background air sample (OA-1). According to the January 31, 2020, SMP Addendum (update to the September 2010 SMP), annual PRRs must include at least one sample from the sub-slab venting system in order to confirm the effectiveness of the system, and one outdoor ambient air sample and indoor air sample from any tenant spaces which had become occupied during the applicable reporting period. Prior to sample collection, the in-line fan of the SSDS was confirmed to be active. The samples were collected using a Summa canister and submitted for laboratory analysis for TCL VOCs by EPA Method TO-15. Sampling was generally conducted in accordance with the sub-slab sampling procedures as specified in the SMP and associated SMP Addendum. The sampling locations from May 2024 sampling event are depicted on Figure 3. Table 1 includes a summary of field sampling information for the most recent samples collected on May 2, 2024. Laboratory results associated with the sub-slab, indoor and outdoor air samples collected during this reporting period (and historical data, dating back to January 2020) is summarized in Table 2.

Based on the laboratory results from the samples collected during this reporting period, several VOCs were detected in the sub-slab vent port, indoor air and outdoor air samples collected and submitted for analysis. All detected VOC concentrations in the air samples were below Building Assessment and Survey Evaluation (BASE) database 90th percentile values and/or the NYSDOH Indoor Air Matrices. A copy of the NYSDOH Indoor Air Quality questionnaire and Building Inventory can be found in Appendix 5.

The results of the May 2023 and May 2024 sampling appear to be generally similar. Based on the results from the sampling event conducted during this reporting period, the SSDS appears to be performing properly and remains effective and protective of public health and the environment. The laboratory analytical report for the May 2, 2024 samples is included in Appendix 6.

5.3 Comparisons with Remedial Objectives

The Site cover system and SSDS monitoring was performed in accordance with the SMP and associated Addendum and included the annual visual inspection of the cover system components and the SSDS, collection of a sub-slab air sample, collection of an indoor air sample in the newly occupied space, and collection of an outdoor air sample. As described in Section 4.2, the cover system was observed to be intact and functioning as intended, the SSDS is active and operating as intended, and the ECs are continuing to satisfy the remedial objectives for the Site. As summarized in Section 5.2, based on the sampling conducted during this reporting period, the air sample results do not appear to indicate any concern at this time. The SSDS appears to be successfully mitigating vapor intrusion within the Site Building at this time.

5.4 Monitoring Deficiencies

No monitoring deficiencies were noted or experienced during the completion of the PRR.

5.5 Monitoring Conclusions and Recommendations

The procedures utilized to evaluate the performance and effectiveness of the ECs were conducted in accordance with the SMP and associated Addendum and verified that the cover system and SSDS are functioning as intended. No changes to the monitoring plan are recommended.

6.0 OPERATION & MAINTENANCE COMPLIANCE REPORT

An in-line fan has been installed and activated as part of the SSDS in the vent stack near the ceiling of the first floor of the Site Building to draw a vacuum on the system. At the time of the annual inspection the fan was confirmed to be active and caulk seams were inspected and were deemed satisfactory. No operation and maintenance deficiencies were noted during the inspection.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Annual inspection of the Site, sub-slab port air sampling, indoor air sampling, and outdoor air sampling was performed on May 2, 2024, by LaBella as prescribed in the SMP and associated Addendum. As a result of the inspection and sampling, LaBella has determined that the Site is in compliance with all elements of the SMP, including the Engineering & Institutional Control Plan, the Site Monitoring Plan, and the Operations & Maintenance Plan. No deficiencies or failures to satisfy the requirements of the SMP were identified.

As reflected by the signed Institutional and Engineering Controls Certification Form (Appendix 4), LaBella has concluded that:

- The required EC/ICs are in place, are performing properly, and remain effective;
- The Site Monitoring Plan is being implemented;
- Operation and Maintenance activities are being conducted properly; and,
- The remedy continues to be protective of public health and the environment and is performing as specified in the RAWP and FER.

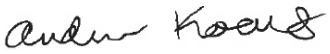
No changes to the inspection, reporting or certification frequency prescribed in the SMP are recommended.

We appreciate the opportunity to serve your professional environmental engineering needs. If you have any questions, please do not hesitate to contact me at (716) 768-4906.

Respectfully submitted,

LABELLA ASSOCIATES, D.P.C.

Chris Kibler
Project Manager
Environmental Professional



Andrew Koons
Geologist
Environmental Professional

LaBella
Powered by partnership.

FIGURES

Figure 1 Site Location Map

184-185 Sweeney Street
North Tonawanda, New York 14120
Project No. 2191060

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N

NOT TO SCALE

FIGURE 2

SITE BASE MAP

184 & 185 Sweeny Street
North Tonawanda, New York 14120

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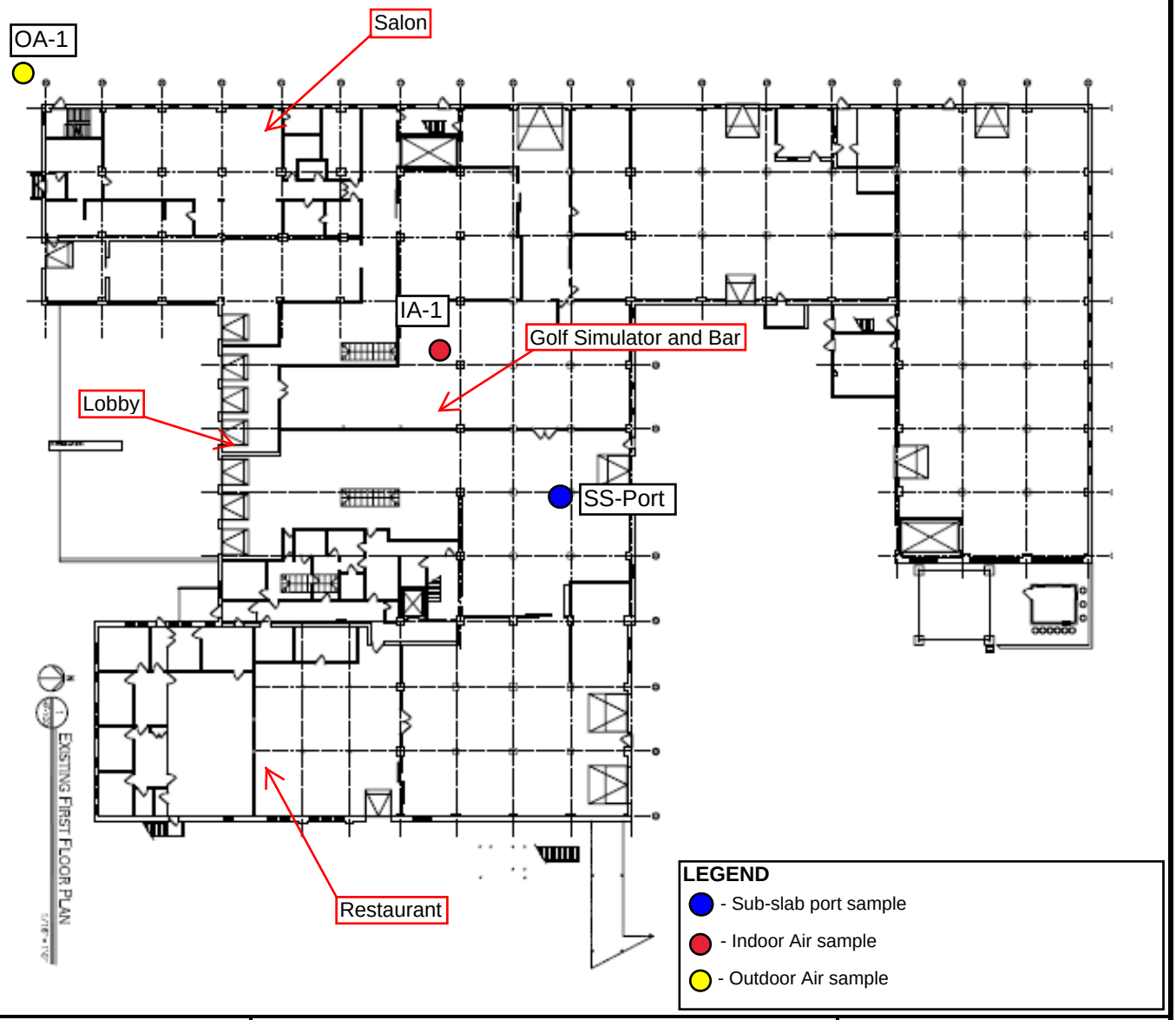

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FIGURE 3

SAMPLING LOCATIONS

184 Sweeney Street
North Tonawanda, New York 14210

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TABLES

Table 1
Periodic Review Report
184 & 185 Sweeney Street, North Tonawanda, New York
Field Sampling Log

Sample ID	SS-Port	IA-1	OA-1
Location	Parking Garage	Golf Simulator	Southwest Exterior
Date	5/2/2024	5/2/2024	5/2/204
Canister Number	173	3024	2213
Regulator Number	01366	0101	0340
Start Time	8:14	8:17	8:19
Reading (in Hg)	-29.72	-29.73	-29.52
End Time	14:41	14:37	14:27
Reading (in Hg)	-10.64	-10.91	-10.58

- Temperature: 60° F
- Barometric Pressure: 29.27 in
- Wind Direction: NW at 10 mph

Table 2
Remington Lofts
184-185 Sweeney Street
North Tonawanda, New York
Summary of Analytical Results

Sample Number	ID-4	ID-5	ID-6	SS Vent Port-1	OD-2	ID-7	0D-3	ID-8	SS Vent Port-2	0D-4	SS Vent Port-3	SS-Vent-01	SS-Port	IA-1	OA-1	BASE Indoor
Sample Date	1/24/2020	1/24/2020	1/24/2020	1/24/2020	1/24/2020	4/21/2020	4/21/2020	5/7/2021	5/7/2021	5/7/2021	5/20/2022	5/19/2023	5/2/2024	5/2/2024	5/2/2024	
Sample Location	Indoor	Indoor	Indoor	Vent Port	Outdoor	Indoor	Outdoor	Indoor	Vent Port	Outdoor	Vent Port	Vent Port	Vent Port	Indoor	Outdoor	
Compounds	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	
VOCs EPA T0-15																
Ethylbenzene	ND	ND	ND	2.25	ND	ND	ND	ND	1.01	ND	1.9	ND	ND	ND	ND	5.7
Trichlorofluoromethane	1.15	1.15	1.15	1.15	1.12	1.64	1.28	ND	ND	ND	ND	ND	1.26	1.32	1.3	18.1
n-Hexane	0.775	0.878	ND	3.23	ND	2.88	1.61	0.733	ND	ND	ND	ND	ND	ND	1.95	10.2
tert-Butyl alcohol	ND	ND	ND	ND	ND	ND	ND	1.89	ND	ND	ND	ND	2.12	ND	ND	NL
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.28	ND	ND	3.68	10
Benzene	1.57	1.80	1.27	6.55	ND	1.65	ND	1.63	2.55	ND	ND	1.38	1.51	ND	0.792	9.4
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.27 J	ND	ND	ND	ND	1.9
Tetrachloroethylene	0.298	0.644	0.298	ND	ND	ND	ND	0.163	ND	0.746	0.21 J	ND	ND	0.38	0.712	15.9
Toluene	2.60	2.97	1.96	14.4	0.889	4.41	1.80	4.56	6.93	ND	12	3.81	4.41	1.67	4.33	43
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.6
Trichloroethene	ND	ND	0.129	ND	ND	ND	ND	ND	ND	0.226	0.18 J	ND	ND	0.253	ND	4.2
1,2,4-Trimethylbenzene	ND	ND	ND	3.01	ND	ND	ND	ND	1.03	ND	1.9	ND	1.5	ND	ND	9.5
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.59 J	ND	ND	ND	ND	3.7
o-Xylene	ND	ND	ND	3.04	ND	ND	ND	ND	1.23	ND	2.3	ND	2.08	ND	ND	7.9
p/m-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.64	ND	ND	12
1,1,2-Trichlorotrifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NL
2,2,4-Trimethylpentane	ND	1.01	ND	6.59	ND	1.35	ND	47.6	2.34	ND	3.8	1.41	11.3	ND	ND	NL
Total xylenes	ND	ND	ND	8.04	ND	1.82	ND	2.18	4.64	ND	9	ND	5.72	ND	ND	22.2
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.02	NL
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	2.04	ND	ND	6.9	12
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12
Methyl Isobutyl Ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NL
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.83 J	ND	ND	ND	ND	6.0
Carbon tetrachloride	0.484	0.604	0.491	ND	0.522	0.579	0.554	0.39	ND	0.371	0.33	ND	ND	0.478	1.72	<1.3
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NL
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.2	1.1
Chloromethane	0.927	0.896	0.962	0.861	0.938	1.30	1.14	0.989	0.964	0.975	0.83 J	0.541	0.725	1.06	2.48	3.7
Cyclohexylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NL
Cyclohexane	ND	ND	ND	ND	ND	0.926	ND	ND	ND	ND	1.9	ND	0.991	ND	ND	NL
Dichlorodifluoromethane	2.32	2.31	2.31	2.28	2.33	2.73	2.62	1.97	1.96	2.03	4	2.34	2.46	2.27	2.41	16.5
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.7
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.9
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.55	1.4
4-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NL
Acetone	5.87	3.40	4.44	4.94	4.16	7.27	2.92	12.6	6.2	4.66	12	14.7	31.8	7.17	28.5	98.9
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2
Ethyl acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.76	ND	ND	2.31	5.4
Freon 11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	ND	ND	NL
Freon 12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NL
Heptane	ND	ND	ND	1.76	ND	1.38	ND	0.82	1	ND	1.8	ND	1.76	ND	ND	NL
Isopropyl alcohol	22.0	3.42	7.92	7.23	ND	10.1	ND	600	38.1	2.33	7.4 J	19	1.46	1.36	21.2	NL
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.5
Tetrahydrofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.83	ND	NL
Ethanol	57.7	29.6	203	174	ND	936	18.0	1,480	275	12.3	ND	122	24.5	11.6	266	210
Hexane	ND	ND	ND	ND	ND	ND	ND	0.733	ND	ND	2.5	ND	ND	ND	ND	NL
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.202	ND	ND	ND	ND	ND	<1.9
1,3-Butadiene	ND	ND	ND	0.790	ND	ND	ND	ND	ND	ND	0.30 J	ND	ND	ND	ND	<3.0
Propylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NL

ND - Non-detect
NL - Not Listed
J - Result is less than the Reporting Limit but greater than or eual to the Method Detection Limit and the concentration is an approxiamte value
BASE Indoor = Table C2. Environmental Protection Agency (EPA):
Building assessment and survey evaluation (BASE) database, SUMMA canister method for indoor air 90th percentile
Concentrations in grey exceed BASE Indoor

APPENDIX 1

Boundary Survey

Legend of Symbols & Abbreviations

SM	SANITARY MANHOLE	FENCE	CONC. CONCRETE
S	SANITARY CLEAN OUT	SA SANITARY SEWER LINE	REC. RECORD
SD	STORM MANHOLE	G GAS LINE	MEAS. MEASURED
SD	STORM INLET	W WATER LINE	N. NORTH
	WATER VALVE	E ELECTRIC WIRES	S. SOUTH
	FIRE HYDRANT	OH OVERHEAD UTILITY WIRES	E. EAST
	GAS VALVE	GUY WIRE	W. WEST
	GAS REGULATOR		No. NUMBER
G	GAS METER		L. LIBER
	UTILITY POLE		P. PAGE
E	ELECTRIC METER		SQ. FT. SQUARE FEET
T	TELEPHONE MANHOLE		° DEGREES
	MONITOR WELL		' FEET OR MINUTES
			" INCHES OR SECONDS

Soil and Pavement Sections Cover System

Miscellaneous Notes

(MN1) No observed evidence of the location of cemeteries or burial grounds.

(MN2) No designated parking spaces.

(MN3) Institutional and Engineering Controls provided by Panamerican Environmental, Inc.. Revised map on 8/11/10 to show Institutional and Engineering Controls. No field work was performed by James L. Shisler L.S., P.C. and James L. Shisler L.S., P.C. accepts no responsibility as to the accuracy of the statements in the Institutional and Engineering Controls section.

(MN4) Two block buildings and a retaining wall with fence removed 8/21/10. No field work was performed.

(MN5) With the exception of the tower, preexisting site features have been removed as a result of remediation. No field work was performed. Map revised 8/27/10.

Utility Notes

(UN1) The locations of utilities shown hereon were determined from observation of ground appurtenances.

(UN2) The exact locations of utility lines (i.e. electric, telephone, gas, water, sanitary sewer and storm sewer) entering the subject property and the points of entry of such utilities into the subject property's building could not be determined.

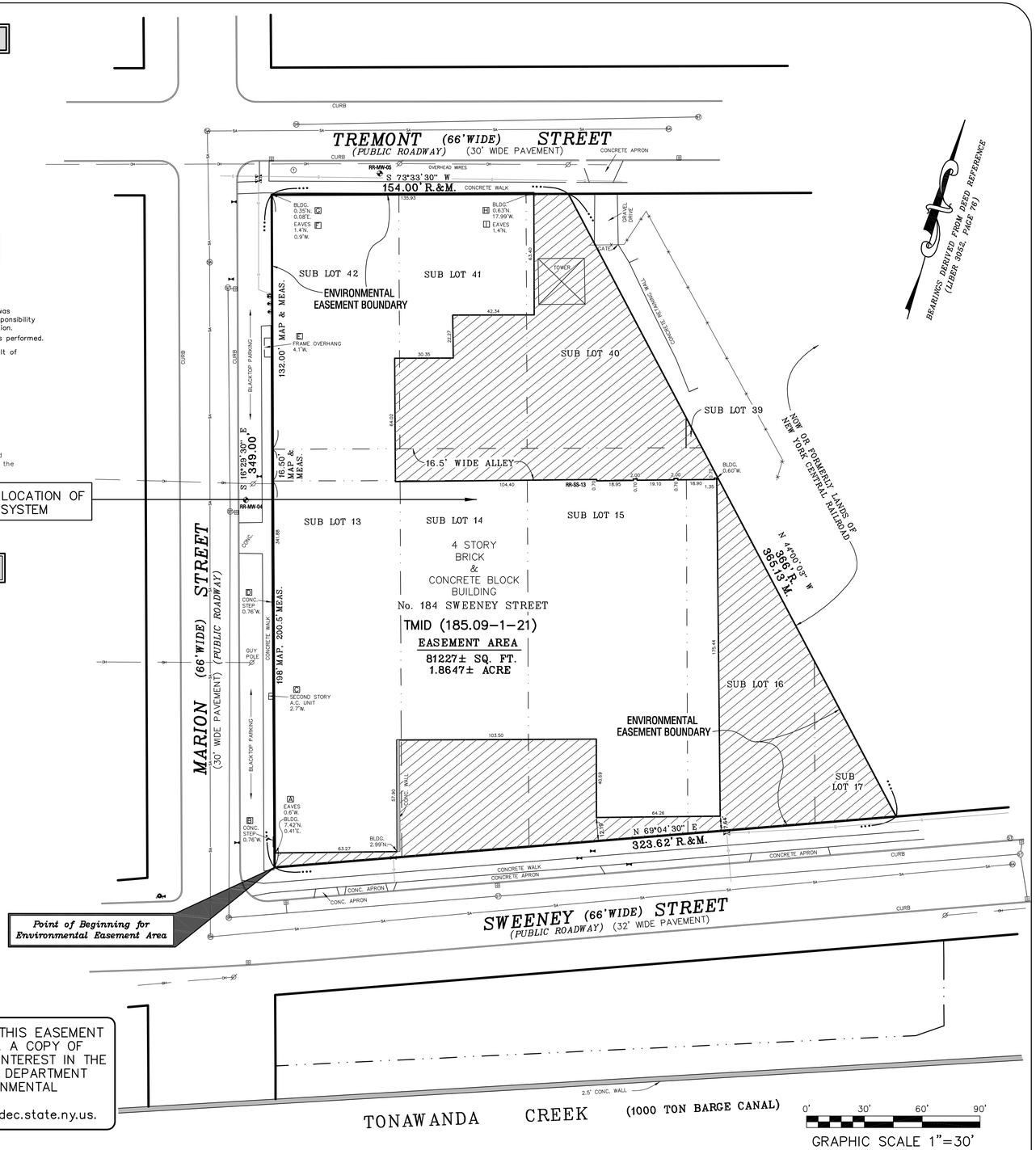
APPROXIMATE LOCATION OF SOIL VENTING SYSTEM

Statement of Possible Encroachments

[A] Subject property's eave encroaches up to 0.6'W.
[B] Subject property's concrete step encroaches up to 0.76'W.
[C] Subject property's second story air conditioning unit encroaches up to 2.7'W.
[D] Subject property's concrete step encroaches up to 0.76'W.
[E] Subject property's frame overhang encroaches up to 4.1'W.
[F] Subject property's eave encroaches up to 0.6'W. & 0.9'W.
[G] Subject property's building encroaches up to 0.35'N.
[H] Subject property's building encroaches up to 0.63'N.
[I] Subject property's eave encroaches up to 1.4'N.

Easements & Right of Ways

No Easements or Right of Ways appeared in Monroe Title Abstract No. 525799 dated December 4, 2009.



THE ENGINEERING AND INSTITUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION.
625 BROADWAY, ALBANY, NY 12233 OR AT derweb@gw.dec.state.ny.us.

ENVIRONMENTAL EASEMENT AREA ACCESS
THE DEC OR THEIR AGENT MAY ACCESS THE ENVIRONMENTAL EASEMENT AS SHOWN HEREON THROUGH ANY EXISTING STREET ACCESS OR BUILDING INGRESS/EGRESS ACCESS POINT

0' 30' 60' 90'
GRAPHIC SCALE 1"=30'

0M 10M 20M 30M
GRAPHIC SCALE (METERS)

PART OF BOOK 17 OF MICROFILMED MAPS, PAGE 1687 & PAGE 1642
PART OF LOT NO. 81, MILE RESERVE
CITY OF NORTH TONAWANDA, COUNTY OF NIAGARA AND STATE OF NEW YORK

Legal Description

ENVIRONMENTAL EASEMENT AREA

All that tract or parcel of land, situate in the City of North Tonawanda, County of Niagara and State of New York, being part of Lot No. 81 of the Mile Reserve as shown on a map made by Peter Emslie and filed in the Niagara County Clerk's Office on February 10, 1849, now in Book 17 of Microfilmed Maps at page 1642 and also on a map made by B.F. Betts and filed in the Niagara County Clerk's Office on March 31, 1888, now in Book 17 of Microfilmed Maps at page 1687, bounded and described as follows:

Beginning at the point of intersection of the northerly line of Sweeney Street with the easterly line of Marion Street;

Thence N 69° 04' 30" E along the northerly line of Sweeney Street and along the southerly lines of Subdivision Lot Nos. 13, 14, 15, 16 and 17, a distance of 323.62 feet to the southwesterly line of lands now or formerly owned by the New York Central Railroad;

Thence N 44° 00' 03" W and through Subdivision Lot Nos. 17 and 16, a 16.5 foot alleyway and Subdivision Lot No. 40, a distance of 365.13 feet to the southerly line of Tremont Street;

Thence S 73° 33' 30" W along the southerly line of Tremont Street 154.00 feet to the easterly line of Marion Street;

Thence S 16° 29' 30" E along the easterly line of Marion Street 349.00 feet to the point or place of beginning, containing 1.8647 acres (81,227 square feet) of land more or less.

The above described is the same land as described in Monroe Title Abstract No. 525799, Parcel "A", dated December 4, 2009.

INSTITUTIONAL/ENGINEERING CONTROLS

INSTITUTIONAL CONTROLS

- The property may only be used for restricted residential use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.
- The property may not be used for a higher level of use, such as unrestricted or residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC.
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with this SMP.
- The use of the groundwater underlying the property is prohibited without testing and approval of the NYSDEC and NYSDOH.
- Vegetable gardens and farming on the property are prohibited.

ENGINEERING CONTROLS

Soil and Pavement Sections Cover System – Removed the top two feet of existing site soil from all open green areas and a minimum of one foot of soil from areas to be covered with paving sections (roads, sidewalks, etc.). A minimum of two feet of approved clean fill was placed over all green space and a minimum of a one foot thick paving section (stone, concrete/asphalt) placed for roadways, sidewalks, etc. (see cross hatched area).

Sub-Slab Vapor Ventilation System – Venting system to be tested and a vapor and ambient air sample collected at 6 month intervals and results reviewed by NYSDEC.

Soil and Pavement Sections Cover System

ALTA/ACSM Land Title Survey

Remington Rand Site #C932142
184 Sweeney Street, North Tonawanda, N.Y.

JAMES L. SHISLER, L.S., P.C.
PROFESSIONAL LAND SURVEYORS

P.O. BOX 516
EAST AURORA, NEW YORK 14052-0516

Phone: 716-655-1058
Fax: 716-655-1964
Email: shisurv@gmail.com

Date of Survey: May 15, 2009
Date of Last Revision: August 27, 2010

Job No. 09177
Sheet No. E-2018

Sheet 1 of 1

APPENDIX 2

Site Wide Inspection Form

LaBella Associates, D.P.C.
300 Pearl Street, Suite 130
Buffalo, New York 14202

SITE WIDE INSPECTION FORM

Date: May 2, 2024

Site Name: Remington Lofts – NYSDEC Site # C932142

Location:
184 Sweeney Street, North Tonawanda, New York

General Site Conditions:

Facilities and grounds are well-maintained

Weather Conditions: Mostly Sunny, 60° F

Compliance/Evaluation ICs and ECs :

The property is in compliance with the ICs/ECs. The cover system is in-tact and well-maintained. No excavations into the cover system were observed. The vapor system is on and functioning.

Site management Activities (sampling, H & S Inspection, etc.):

Vapor system was on and functioning. The in-line fan in the vent stack near the ceiling of the first floor of the Site Building was observed to be active and drawing vacuum. Caulked seams were also inspected and deemed satisfactory.

Compliance with Permits and O & M Plan:

Site appears to be in compliance with O&M Plan

Records Compliance:

During this reporting period sub-slab air sampling has occurred at the request of the NYSDEC and NYSDOH due to elevated concentrations detected in sub-slab and indoor air in 2018. Summary reports were previously submitted to the NYSDEC and NYSDOH. Additionally, as the SSDS was changed from a passive system to an active system the an addendum to the SMP was generated and submitted.

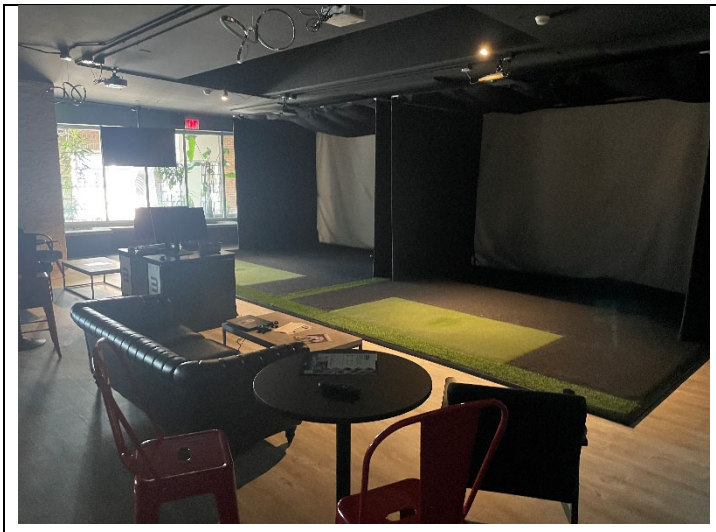
General Comments:

Property and compliance systems appear to be well maintained and functioning. No additional comments – refer to attached photographs

INSPECTOR'S NAME: Andrew Koons

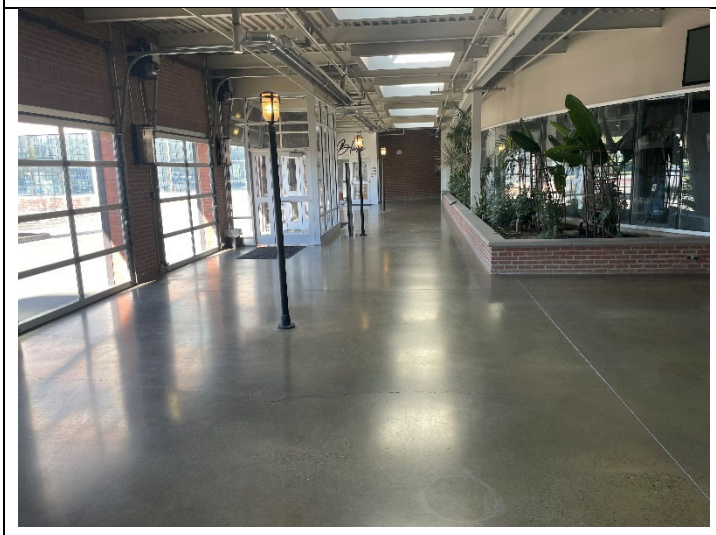
APPENDIX 3

Photographs



Golf simulator area

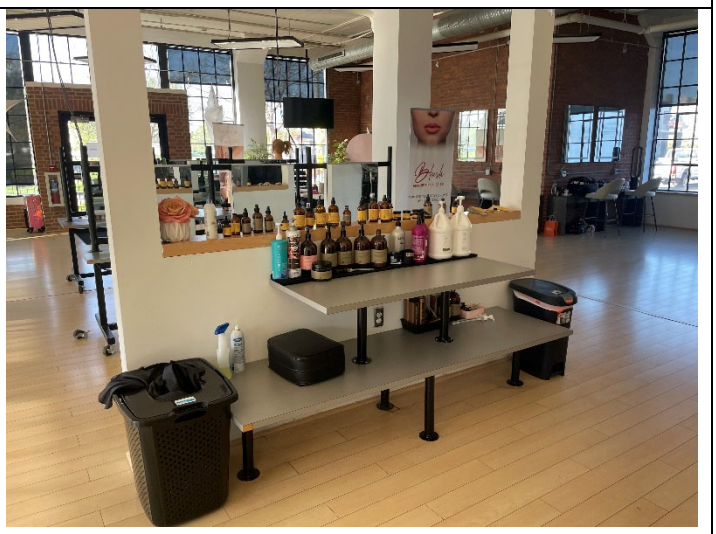
Bar in golf simulator area



Lobby area

Maintenance area

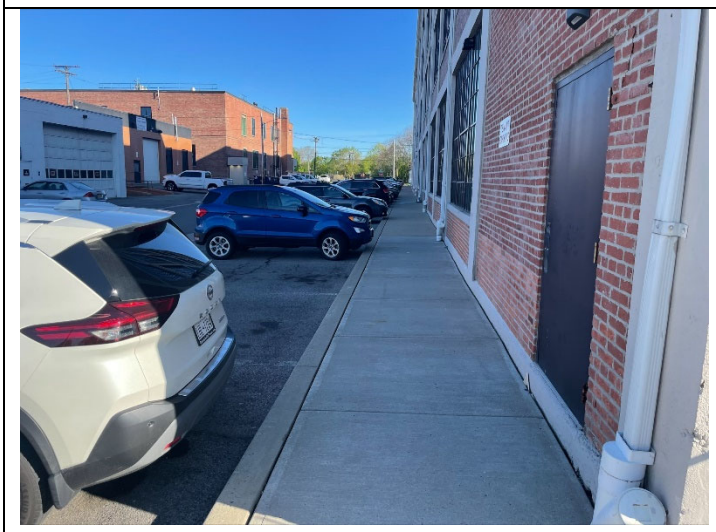
Salon area



Cosmetic products in Salon

Northern portion of property

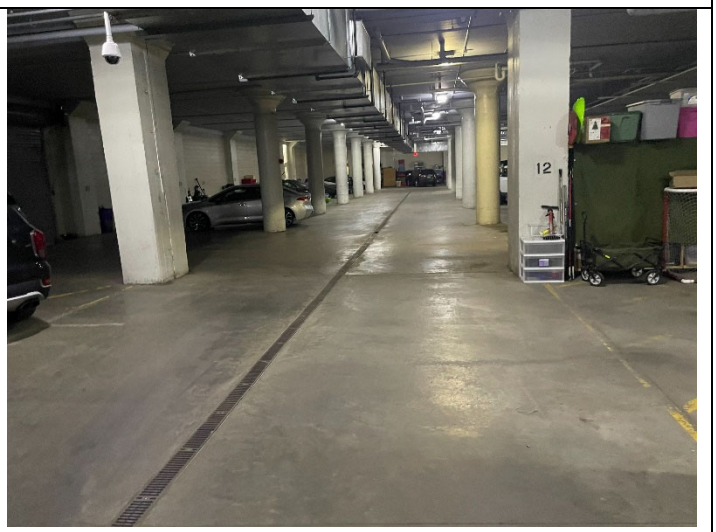
Eastern portion of property



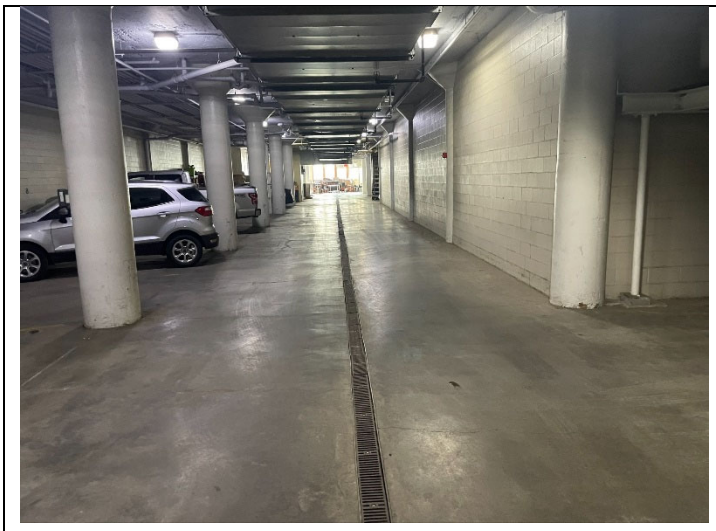
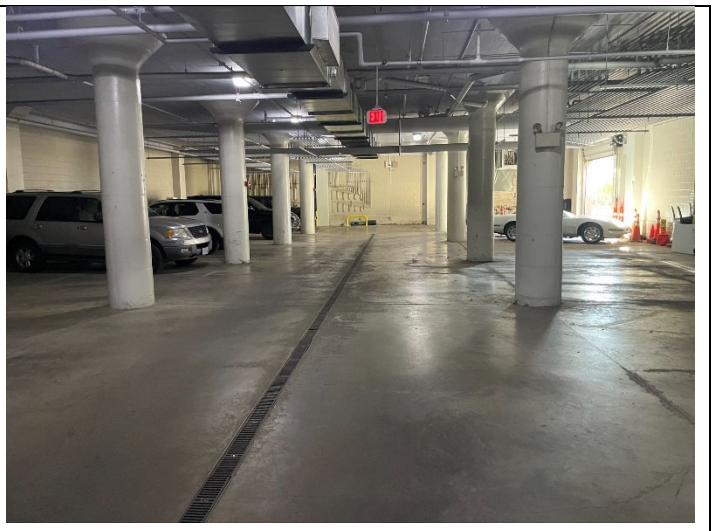
Western portion of property

Courtyard area

Building main entrance



Western portion of garage

	
Eastern portion of garage	Southern portion of garage

APPENDIX 4

Site Management Periodic Review Report Notice-Institutional and Engineering Controls Certification Form

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. C932142

Site Name Remington Rand Building

Site Address: 184 Sweeney Street Zip Code: 14120
City/Town: North Tonawanda
County: Niagara
Site Acreage: 1.800

Reporting Period: May 20, 2023 to May 20, 2024

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	☒	☐
7. Are all ICs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C932142 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
185.09-1-21	Gold Wynn Remington Lofts, LLC	Monitoring Plan O&M Plan Ground Water Use Restriction Landuse Restriction Site Management Plan IC/EC Plan

Environmental Easement;September 1,2010 - BCA Index No: B9-0780-08-06 as property control for Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv).

Box 4

Description of Engineering Controls

Parcel	Engineering Control
185.09-1-21	Vapor Mitigation Cover System

Soil cover and/or pavement placed over residual soil contamination. Sub-Slab passive depressurization system placed in a portion of the building to control potential vapor intrusion. Easement requires compliance with the Site Management Plan. Future intrusive activities and soil handling at the facility must be in accordance with the Excavation Work Plan found in the SMP.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C932142

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____Shira Brym_____ at __11 Summer St., Buffalo, NY 14209_____,
print name print business address

am certifying as _____Designated Representative_____(Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

_____ ___June 19, 2024_____
Signature of Owner, Remedial Party, or Designated Representative Date
Rendering Certification

EC CERTIFICATIONS

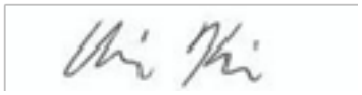
Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Chris Kibler (print name) at LaBella Associates 300 Pearl Street, Buffalo, New York (print business address),

am certifying as a Qualified Environmental Professional for the Remedial Party (Owner or Remedial Party)



Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	5/16/2024 Date

APPENDIX 5

NYSDOH Indoor Air Quality Questionnaire and
Building Inventory Center for Environmental Health

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

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

Preparer's Name Andrew Koons Date/Time Prepared 5/2/2024

Preparer's Affiliation Consultant Phone No. 7164179150

Purpose of Investigation Annual Inspection

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

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

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

Interviewed: Y / N

Last Name: _____First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

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

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

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Salon, Restaurant, Golf Simulator and Bar

Does it include residences (i.e., multi-use)? (Y) / N If yes, how many? 80

Other characteristics:

Number of floors 4 Building age 1890

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

4. AIRFLOW

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

Airflow between floors

NA

Airflow near source

NA

Outdoor air infiltration

NA

Infiltration into air ducts

NA

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

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

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

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

Drains in parking garage floor

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

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

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

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Electricity

Boiler/furnace located in: Basement Outdoors Main Floor Other_____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y / N

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

Duct work in walls and ceilings

7. OCCUPANCY

Is basement/lowest level occupied? [Full-time] Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	NA
1st Floor	Restaurant, Salon, Golf Simulator and Bar, Lobby, Parking Garage
2nd Floor	Apartments
3rd Floor	Apartments
4th Floor	Apartments

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? [Y] / N

b. Does the garage have a separate heating unit? [Y] / N / NA

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

d. Has the building ever had a fire? Y / [N] When?_____

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

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

g. Is there smoking in the building? Y / [N] How frequently? _____

h. Have cleaning products been used recently? [Y] / N When & Type? general cleaning

i. Have cosmetic products been used recently? [Y] / N When & Type? Salon

j. Has painting/staining been done in the last 6 months? [Y] / N Where & When? Golf Sim. area

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

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

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

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

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

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

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

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

If yes, what types of solvents are used? _____

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

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

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

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

9. WATER AND SEWAGE

Water Supply: [Public Water] Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: [Public Sewer] Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: NA

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

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

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

11. FLOOR PLANS

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

Basement:

NA

First Floor:

See Figures

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

See Figures

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: NA

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
Janitor's Area	General Cleaning Supplies					
	Paints					
Salon	Cosmetics, Hair Products					

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

APPENDIX 6

Laboratory Analytical Report

ANALYTICAL REPORT

Lab Number:	L2424289
Client:	LaBella Associates, P.C. 300 Pearl Street Suite 252 Buffalo, NY 14202
ATTN:	Christopher Kibler
Phone:	(716) 551-6281
Project Name:	REMINGTON RAND BUILDING
Project Number:	2191060
Report Date:	05/22/24

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060

Lab Number: L2424289
Report Date: 05/22/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2424289-01	IA-1	AIR	184 SWEENY ST	05/02/24 14:37	05/02/24
L2424289-02	SS-PORT	SOIL_VAPOR	184 SWEENY ST	05/02/24 14:41	05/02/24
L2424289-03	OA-1	AIR	184 SWEENY ST	05/02/24 14:27	05/02/24

Project Name:	REMINGTON RAND BUILDING	**Lab Number:**	L2424289
Project Number:	2191060	**Report Date:**	05/22/24

Case Narrative

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

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

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

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

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

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

Project Name:	REMINGTON RAND BUILDING	**Lab Number:**	L2424289
Project Number:	2191060	**Report Date:**	05/22/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on April 25, 2024. The canister certification data is provided as an addendum.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 05/22/24

AIR

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2424289-01
Client ID: IA-1
Sample Location: 184 SWEENY ST

Date Collected: 05/02/24 14:37
Date Received: 05/02/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/15/24 23:14
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.460	0.200	--	2.27	0.989	--		1
Chloromethane	0.514	0.200	--	1.06	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	6.16	5.00	--	11.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.02	1.00	--	7.17	2.38	--		1
Trichlorofluoromethane	0.235	0.200	--	1.32	1.12	--		1
Isopropanol	0.553	0.500	--	1.36	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	1.30	0.500	--	3.83	1.47	--		1

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2424289-01
Client ID: IA-1
Sample Location: 184 SWEENY ST

Date Collected: 05/02/24 14:37
Date Received: 05/02/24
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	0.443	0.200	--	1.67	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2424289-01
Client ID: IA-1
Sample Location: 184 SWEENY ST

Date Collected: 05/02/24 14:37
Date Received: 05/02/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2424289-01
Client ID: IA-1
Sample Location: 184 SWEENY ST

Date Collected: 05/02/24 14:37
Date Received: 05/02/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/15/24 23:14
Analyst: TJS

	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	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	0.047	0.020	--	0.253	0.107	--		1
Tetrachloroethene	0.056	0.020	--	0.380	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	91		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2424289-02
Client ID: SS-PORT
Sample Location: 184 SWEENY ST

Date Collected: 05/02/24 14:41
Date Received: 05/02/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/21/24 02:14
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.497	0.200	--	2.46	0.989	--		1
Chloromethane	0.351	0.200	--	0.725	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	13.0	5.00	--	24.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	13.4	1.00	--	31.8	2.38	--		1
Trichlorofluoromethane	0.225	0.200	--	1.26	1.12	--		1
Isopropanol	0.592	0.500	--	1.46	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.700	0.500	--	2.12	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

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2424289-02
Client ID: SS-PORT
Sample Location: 184 SWEENY ST

Date Collected: 05/02/24 14:41
Date Received: 05/02/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.472	0.200	--	1.51	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.288	0.200	--	0.991	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	2.42	0.200	--	11.3	0.934	--		1
Heptane	0.430	0.200	--	1.76	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	1.17	0.200	--	4.41	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2424289-02
Client ID: SS-PORT
Sample Location: 184 SWEENY ST

Date Collected: 05/02/24 14:41
Date Received: 05/02/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.838	0.400	--	3.64	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	0.479	0.200	--	2.08	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.305	0.200	--	1.50	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2424289-03
Client ID: OA-1
Sample Location: 184 SWEENY ST

Date Collected: 05/02/24 14:27
Date Received: 05/02/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/16/24 00:52
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.487	0.200	--	2.41	0.989	--		1
Chloromethane	1.20	0.200	--	2.48	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	141	5.00	--	266	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	12.0	1.00	--	28.5	2.38	--		1
Trichlorofluoromethane	0.232	0.200	--	1.30	1.12	--		1
Isopropanol	8.64	0.500	--	21.2	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.06	0.500	--	3.68	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	2.34	0.500	--	6.90	1.47	--		1
Ethyl Acetate	0.641	0.500	--	2.31	1.80	--		1
Chloroform	2.90	0.200	--	14.2	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2424289-03
Client ID: OA-1
Sample Location: 184 SWEENY ST

Date Collected: 05/02/24 14:27
Date Received: 05/02/24
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	0.554	0.200	--	1.95	0.705	--		1
Benzene	0.248	0.200	--	0.792	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	0.302	0.200	--	2.02	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.15	0.200	--	4.33	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2424289-03
Client ID: OA-1
Sample Location: 184 SWEENY ST

Date Collected: 05/02/24 14:27
Date Received: 05/02/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.257	0.200	--	1.55	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2424289-03
Client ID: OA-1
Sample Location: 184 SWEENY ST

Date Collected: 05/02/24 14:27
Date Received: 05/02/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/16/24 00:52
Analyst: TJS

	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	0.274	0.020	--	1.72	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.105	0.020	--	0.712	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	92		60-140

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/15/24 21:19

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): 01,03 Batch: WG1921642-4								
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: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/15/24 21:19

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): 01,03 Batch: WG1921642-4								
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: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/15/24 21:19

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): 01,03 Batch: WG1921642-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/15/24 22:17

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01,03 Batch: WG1921643-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/20/24 17:47

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): 02 Batch: WG1923505-4								
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: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/20/24 17:47

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): 02 Batch: WG1923505-4								
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: REMINGTON RAND BUILDING
Project Number: 2191060
Lab Number: L2424289
Report Date: 05/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/20/24 17:47

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): 02 Batch: WG1923505-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: REMINGTON RAND BUILDING

Project Number: 2191060

Lab Number: L2424289

Report Date: 05/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03 Batch: WG1921642-3								
Dichlorodifluoromethane	87		-		70-130	-		
Chloromethane	78		-		70-130	-		
Freon-114	94		-		70-130	-		
Vinyl chloride	86		-		70-130	-		
1,3-Butadiene	82		-		70-130	-		
Bromomethane	94		-		70-130	-		
Chloroethane	93		-		70-130	-		
Ethanol	72		-		40-160	-		
Vinyl bromide	87		-		70-130	-		
Acetone	94		-		40-160	-		
Trichlorofluoromethane	101		-		70-130	-		
Isopropanol	76		-		40-160	-		
1,1-Dichloroethene	98		-		70-130	-		
Tertiary butyl Alcohol	85		-		70-130	-		
Methylene chloride	97		-		70-130	-		
3-Chloropropene	92		-		70-130	-		
Carbon disulfide	97		-		70-130	-		
Freon-113	97		-		70-130	-		
trans-1,2-Dichloroethene	93		-		70-130	-		
1,1-Dichloroethane	94		-		70-130	-		
Methyl tert butyl ether	88		-		70-130	-		
2-Butanone	88		-		70-130	-		
cis-1,2-Dichloroethene	98		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: REMINGTON RAND BUILDING

Project Number: 2191060

Lab Number: L2424289

Report Date: 05/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03 Batch: WG1921642-3								
Ethyl Acetate	99		-		70-130	-		
Chloroform	96		-		70-130	-		
Tetrahydrofuran	86		-		70-130	-		
1,2-Dichloroethane	92		-		70-130	-		
n-Hexane	92		-		70-130	-		
1,1,1-Trichloroethane	94		-		70-130	-		
Benzene	83		-		70-130	-		
Carbon tetrachloride	95		-		70-130	-		
Cyclohexane	93		-		70-130	-		
1,2-Dichloropropane	92		-		70-130	-		
Bromodichloromethane	104		-		70-130	-		
1,4-Dioxane	92		-		70-130	-		
Trichloroethene	96		-		70-130	-		
2,2,4-Trimethylpentane	94		-		70-130	-		
Heptane	86		-		70-130	-		
cis-1,3-Dichloropropene	92		-		70-130	-		
4-Methyl-2-pentanone	88		-		70-130	-		
trans-1,3-Dichloropropene	89		-		70-130	-		
1,1,2-Trichloroethane	96		-		70-130	-		
Toluene	87		-		70-130	-		
2-Hexanone	85		-		70-130	-		
Dibromochloromethane	114		-		70-130	-		
1,2-Dibromoethane	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: REMINGTON RAND BUILDING

Project Number: 2191060

Lab Number: L2424289

Report Date: 05/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03 Batch: WG1921642-3								
Tetrachloroethene	89		-		70-130	-		
Chlorobenzene	88		-		70-130	-		
Ethylbenzene	88		-		70-130	-		
p/m-Xylene	90		-		70-130	-		
Bromoform	116		-		70-130	-		
Styrene	89		-		70-130	-		
1,1,2,2-Tetrachloroethane	99		-		70-130	-		
o-Xylene	92		-		70-130	-		
4-Ethyltoluene	87		-		70-130	-		
1,3,5-Trimethylbenzene	90		-		70-130	-		
1,2,4-Trimethylbenzene	90		-		70-130	-		
Benzyl chloride	79		-		70-130	-		
1,3-Dichlorobenzene	95		-		70-130	-		
1,4-Dichlorobenzene	94		-		70-130	-		
1,2-Dichlorobenzene	94		-		70-130	-		
1,2,4-Trichlorobenzene	84		-		70-130	-		
Naphthalene	80		-		70-130	-		
Hexachlorobutadiene	95		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: REMINGTON RAND BUILDING

Project Number: 2191060

Lab Number: L2424289

Report Date: 05/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01,03 Batch: WG1921643-3								
Vinyl chloride	82		-		70-130	-		25
1,1-Dichloroethene	92		-		70-130	-		25
cis-1,2-Dichloroethene	93		-		70-130	-		25
1,1,1-Trichloroethane	89		-		70-130	-		25
Carbon tetrachloride	92		-		70-130	-		25
Trichloroethene	92		-		70-130	-		25
Tetrachloroethene	85		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: REMINGTON RAND BUILDING

Project Number: 2191060

Lab Number: L2424289

Report Date: 05/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1923505-3								
Dichlorodifluoromethane	93		-		70-130	-		
Chloromethane	87		-		70-130	-		
Freon-114	101		-		70-130	-		
Vinyl chloride	94		-		70-130	-		
1,3-Butadiene	107		-		70-130	-		
Bromomethane	99		-		70-130	-		
Chloroethane	92		-		70-130	-		
Ethanol	98		-		40-160	-		
Vinyl bromide	87		-		70-130	-		
Acetone	93		-		40-160	-		
Trichlorofluoromethane	97		-		70-130	-		
Isopropanol	80		-		40-160	-		
1,1-Dichloroethene	92		-		70-130	-		
Tertiary butyl Alcohol	87		-		70-130	-		
Methylene chloride	94		-		70-130	-		
3-Chloropropene	90		-		70-130	-		
Carbon disulfide	84		-		70-130	-		
Freon-113	84		-		70-130	-		
trans-1,2-Dichloroethene	91		-		70-130	-		
1,1-Dichloroethane	85		-		70-130	-		
Methyl tert butyl ether	88		-		70-130	-		
2-Butanone	88		-		70-130	-		
cis-1,2-Dichloroethene	90		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060

Lab Number: L2424289
Report Date: 05/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1923505-3								
Ethyl Acetate	93		-		70-130	-		
Chloroform	97		-		70-130	-		
Tetrahydrofuran	85		-		70-130	-		
1,2-Dichloroethane	90		-		70-130	-		
n-Hexane	107		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
Benzene	95		-		70-130	-		
Carbon tetrachloride	103		-		70-130	-		
Cyclohexane	108		-		70-130	-		
1,2-Dichloropropane	92		-		70-130	-		
Bromodichloromethane	112		-		70-130	-		
1,4-Dioxane	107		-		70-130	-		
Trichloroethene	96		-		70-130	-		
2,2,4-Trimethylpentane	108		-		70-130	-		
Heptane	102		-		70-130	-		
cis-1,3-Dichloropropene	101		-		70-130	-		
4-Methyl-2-pentanone	101		-		70-130	-		
trans-1,3-Dichloropropene	102		-		70-130	-		
1,1,2-Trichloroethane	92		-		70-130	-		
Toluene	85		-		70-130	-		
2-Hexanone	96		-		70-130	-		
Dibromochloromethane	96		-		70-130	-		
1,2-Dibromoethane	84		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: REMINGTON RAND BUILDING

Project Number: 2191060

Lab Number: L2424289

Report Date: 05/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1923505-3								
Tetrachloroethene	82		-		70-130	-		
Chlorobenzene	85		-		70-130	-		
Ethylbenzene	86		-		70-130	-		
p/m-Xylene	89		-		70-130	-		
Bromoform	94		-		70-130	-		
Styrene	84		-		70-130	-		
1,1,2,2-Tetrachloroethane	95		-		70-130	-		
o-Xylene	90		-		70-130	-		
4-Ethyltoluene	87		-		70-130	-		
1,3,5-Trimethylbenzene	87		-		70-130	-		
1,2,4-Trimethylbenzene	91		-		70-130	-		
Benzyl chloride	90		-		70-130	-		
1,3-Dichlorobenzene	86		-		70-130	-		
1,4-Dichlorobenzene	84		-		70-130	-		
1,2-Dichlorobenzene	81		-		70-130	-		
1,2,4-Trichlorobenzene	80		-		70-130	-		
Naphthalene	86		-		70-130	-		
Hexachlorobutadiene	80		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060

Lab Number: L2424289
Report Date: 05/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1921642-5 QC Sample: L2424289-03 Client ID: OA-1						
Dichlorodifluoromethane	0.487	0.474	ppbV	3		25
Chloromethane	1.20	1.17	ppbV	3		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	141	111	ppbV	24		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	12.0	11.4	ppbV	5		25
Trichlorofluoromethane	0.232	0.229	ppbV	1		25
Isopropanol	8.64	8.56	ppbV	1		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	1.06	1.04	ppbV	2		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	2.34	2.31	ppbV	1		25
Ethyl Acetate	0.641	0.640	ppbV	0		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060

Lab Number: L2424289
Report Date: 05/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1921642-5 QC Sample: L2424289-03 Client ID: OA-1						
Chloroform	2.90	2.88	ppbV	1		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.554	0.522	ppbV	6		25
Benzene	0.248	0.229	ppbV	8		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	0.302	0.283	ppbV	6		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	1.15	1.08	ppbV	6		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060

Lab Number: L2424289
Report Date: 05/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1921642-5 QC Sample: L2424289-03 Client ID: OA-1						
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	0.257	0.257	ppbV	0		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Naphthalene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060

Lab Number: L2424289
Report Date: 05/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1921643-5 QC Sample: L2424289-03 Client ID: OA-1						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.274	0.268	ppbV	2		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	0.105	0.100	ppbV	5		25

Project Name: REMINGTON RAND BUILDING

Project Number: 2191060

Lab Number: L2424289

Report Date: 05/22/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2424289-01	IA-1	0101	Flow 4	04/25/24	464972		-	-	-	Pass	4.5	4.5	0
L2424289-01	IA-1	3024	2.7L Can	04/25/24	464972	L2421211-01	Pass	-29.1	-10.8	-	-	-	-
L2424289-02	SS-PORT	01366	Flow 4	04/25/24	464972		-	-	-	Pass	4.5	4.8	7
L2424289-02	SS-PORT	173	2.7L Can	04/25/24	464972	L2421211-05	Pass	-29.1	-10.4	-	-	-	-
L2424289-03	OA-1	0340	Flow 5	04/25/24	464972		-	-	-	Pass	4.5	4.2	7
L2424289-03	OA-1	2213	2.7L Can	04/25/24	464972	L2421211-01	Pass	-29.1	-10.8	-	-	-	-

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

Lab Number: L2421211
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2421211-01
Client ID: CAN 329 SHELF 16
Sample Location:

Date Collected: 04/17/24 18:00
Date Received: 04/18/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/19/24 01:07
Analyst: JFI

	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: L2421211
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2421211-01
Client ID: CAN 329 SHELF 16
Sample Location:

Date Collected: 04/17/24 18:00
Date Received: 04/18/24
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: L2421211
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2421211-01
Client ID: CAN 329 SHELF 16
Sample Location:

Date Collected: 04/17/24 18:00
Date Received: 04/18/24
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: L2421211
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2421211-01
Client ID: CAN 329 SHELF 16
Sample Location:

Date Collected: 04/17/24 18:00
Date Received: 04/18/24
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: L2421211
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2421211-01
Client ID: CAN 329 SHELF 16
Sample Location:

Date Collected: 04/17/24 18:00
Date Received: 04/18/24
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	97		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	97		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2421211
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2421211-01
Client ID: CAN 329 SHELF 16
Sample Location:

Date Collected: 04/17/24 18:00
Date Received: 04/18/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/19/24 01:07
Analyst: JFI

	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: L2421211
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2421211-01
Client ID: CAN 329 SHELF 16
Sample Location:

Date Collected: 04/17/24 18:00
Date Received: 04/18/24
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	0.024	0.020	--	0.163	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2421211

Project Number: CANISTER QC BAT **Report Date:** 05/22/24

Air Canister Certification Results

Lab ID: L2421211-01
Client ID: CAN 329 SHELF 16
Sample Location:

Date Collected: 04/17/24 18:00
Date Received: 04/18/24
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	96		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	97		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2421211
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2421211-05
Client ID: CAN 475 SHELF 13
Sample Location:

Date Collected: 04/18/24 10:00
Date Received: 04/18/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/18/24 20:55
Analyst: JFI

	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: L2421211
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2421211-05
Client ID: CAN 475 SHELF 13
Sample Location:

Date Collected: 04/18/24 10:00
Date Received: 04/18/24
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: L2421211
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2421211-05
Client ID: CAN 475 SHELF 13
Sample Location:

Date Collected: 04/18/24 10:00
Date Received: 04/18/24
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: L2421211
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2421211-05
Client ID: CAN 475 SHELF 13
Sample Location:

Date Collected: 04/18/24 10:00
Date Received: 04/18/24
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: L2421211
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2421211-05
Client ID: CAN 475 SHELF 13
Sample Location:

Date Collected: 04/18/24 10:00
Date Received: 04/18/24
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	95		60-140
chlorobenzene-d5	97		60-140

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

Lab Number: L2421211
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2421211-05
Client ID: CAN 475 SHELF 13
Sample Location:

Date Collected: 04/18/24 10:00
Date Received: 04/18/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/18/24 20:55
Analyst: JFI

	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: L2421211
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2421211-05
Client ID: CAN 475 SHELF 13
Sample Location:

Date Collected: 04/18/24 10:00
Date Received: 04/18/24
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	0.037	0.020	--	0.182	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2421211

Project Number: CANISTER QC BAT **Report Date:** 05/22/24

Air Canister Certification Results

Lab ID: L2421211-05
Client ID: CAN 475 SHELF 13
Sample Location:

Date Collected: 04/18/24 10:00
Date Received: 04/18/24
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	96		60-140

Project Name: REMINGTON RAND BUILDING
Project Number: 2191060

Lab Number: L2424289
Report Date: 05/22/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2424289-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2424289-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2424289-03A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	REMINGTON RAND BUILDING	**Lab Number:**	L2424289
Project Number:	2191060	**Report Date:**	05/22/24

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	REMINGTON RAND BUILDING	**Lab Number:**	L2424289
Project Number:	2191060	**Report Date:**	05/22/24

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	REMINGTON RAND BUILDING	**Lab Number:**	L2424289
Project Number:	2191060	**Report Date:**	05/22/24

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 5/3/24

ALPHA Job #: L2424289

Client Information

Client: LaBella Associates
Address: 300 Pearl St
Buffalo NY
Phone:
Fax:
Email: akoons@labellapc.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: ~~KBM~~ Remington Rand
Project Location: 184 Sweeney St
Project #: 2191060
Project Manager: Chris Kibler
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

Building
☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
24289-01	IA-1	5/2/24	08:17	14:37	-29.73	-10.91	AA	AK	2.7L	3024	0101	X					
02	SS-Port	↓	08:14	14:41	-29.72	-16.64	SV	↓	↓	173	01366	X					
03	OA-1	↓	08:19	14:27	-29.52	-10.58	AA	↓	↓	2213	0348	X					

ANALYSIS

CC Chris Kibler on results email

*SAMPLE MATRIX CODES

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
	5/2/24 1540		5/2/24 1540
	5/2/24 1746		5/3/24 0100
	5/3/24 500		5/3/24 ~~500~~ 07
			5/3/24 0500

5/3/24 0700 5/3/24 0700