

2023 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 12, 2023



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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, 2022, to May 20, 2023.

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 19, 2023; 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 SOC.

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 19, 2023, 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-Slab 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 19, 2023, 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-Vent-01). 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. No new tenant spaces have been occupied during the reporting period; therefore, only a sub-slab venting system sample was collected. Prior to sample collection, the in-line fan of the SSDS was confirmed to be active. The sample was 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 location from May 2023 sampling event is depicted on Figure 3. Table 1 includes a summary of field sampling information for the most recent sample collected on May 19, 2023. Laboratory results associated with the sub-slab air sample 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 sample collected during this reporting period, several VOCs were detected in the sub-slab vent port air sample collected and submitted for analysis. All detected VOC concentrations in the air sample were below Building Assessment and Survey Evaluation (BASE) database 90th percentile values and/or May 2017 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 2022 and May 2023 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 19, 2023, sample 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, and collection of a sub-slab 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 sub-slab port 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 and sub-slab port air sampling was performed on May 19, 2023, 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

FIGURES



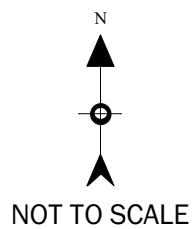
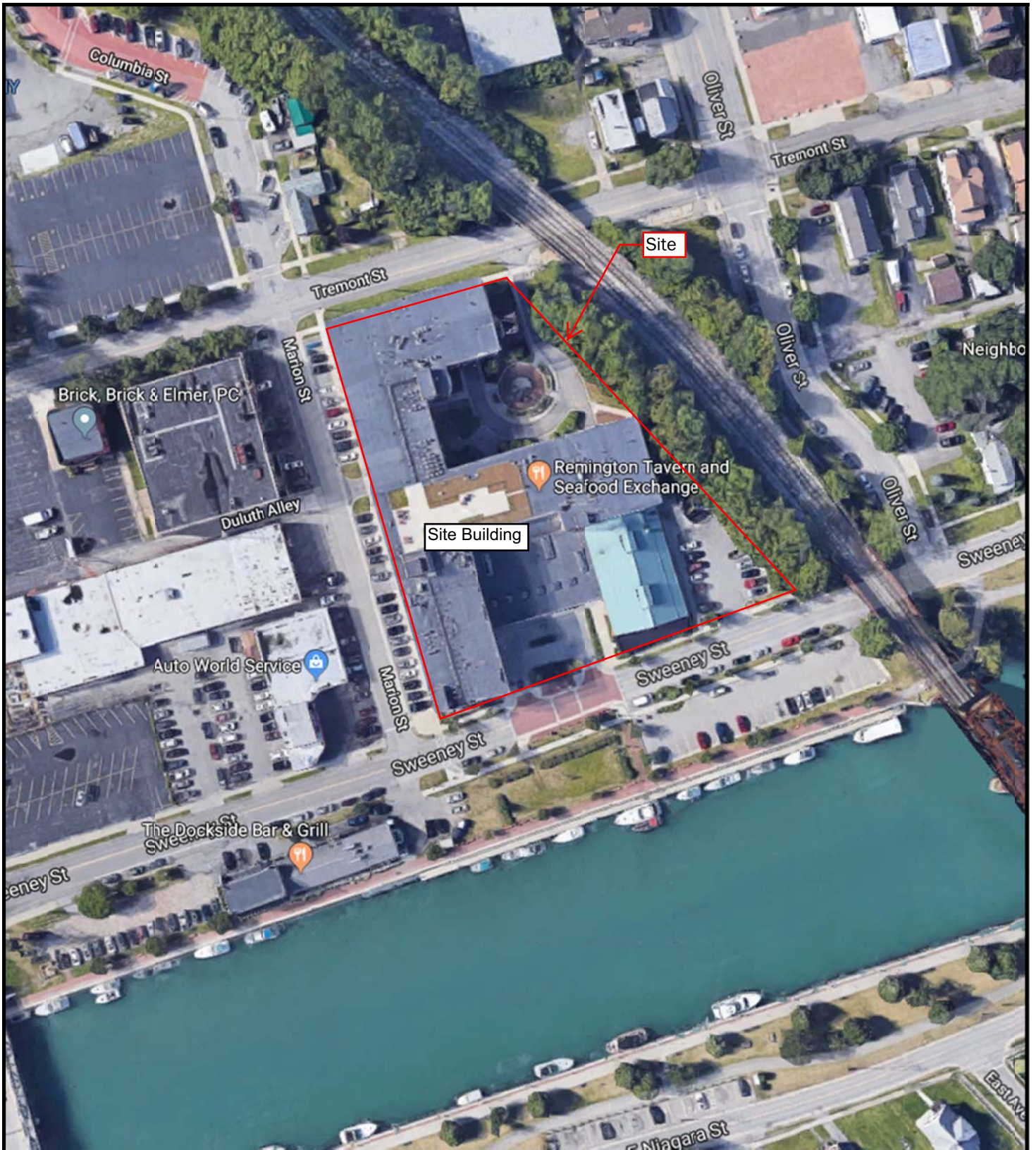
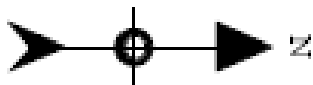
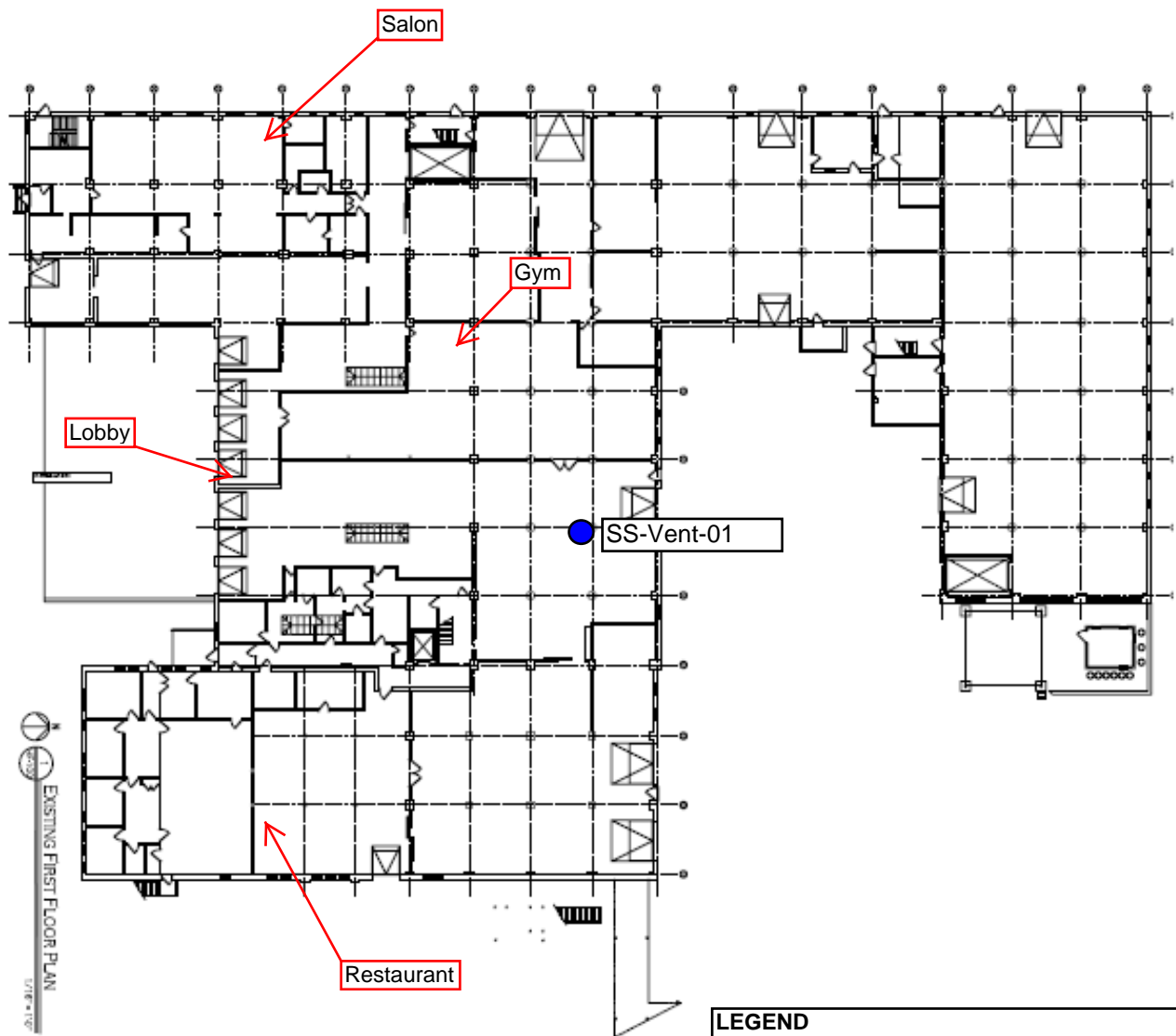


FIGURE 2 SITE BASE MAP

184 & 185 Sweeney Street
North Tonawanda, New York 14120



PROJECT NO. 2191060



NOT TO SCALE

FIGURE 3
SUB-SLAB PORT SAMPLING LOCATION

184 Sweeney Street
North Tonawanda, New York 14210



PROJECT NO. 2191060

TABLES

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

Sample ID	SS-Vent-01
Location	Parking Garage
Date	5/19/2023
Canister Number	188
Regulator Number	0560
Start Time	8:13
Reading (in Hg)	-29.53
End Time	15:28
Reading (in Hg)	-9.28

- Date: 5/19/2023
- Temperature: 68° F
- Barometric Pressure: 29.40 in
- Wind Direction: SSW at 14 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	OD-3	ID-8	SS Vent Port-2	OD-4	SS Vent Port-3	SS-Vent-01	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	
Sample Location	Indoor	Indoor	Indoor	Vent Port	Outdoor	Indoor	Outdoor	Indoor	Vent Port	Outdoor	Vent Port	Vent Port	
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	
VOCs EPA T0-15													
Ethylbenzene	ND	ND	ND	2.25	ND	ND	ND	ND	1.01	ND	1.9	ND	5.7
Trichlorofluoromethane	1.15	1.15	1.15	1.15	1.12	1.64	1.28	ND	ND	ND	ND	ND	18.1
n-Hexane	0.775	0.878	ND	3.23	ND	2.88	1.61	0.733	ND	ND	ND	ND	10.2
tert-Butyl alcohol	ND	ND	ND	ND	ND	ND	ND	1.89	ND	ND	ND	ND	NL
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.28	10
Benzene	1.57	1.80	1.27	6.55	ND	1.65	ND	1.63	2.55	ND	ND	1.38	9.4
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.27 J	ND	1.9
Tetrachloroethylene	0.298	0.644	0.298	ND	ND	ND	ND	0.163	ND	0.746	0.21 J	ND	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	43
1,1,1-Trichloroethane	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	4.2
1,2,4-Trimethylbenzene	ND	ND	ND	3.01	ND	ND	ND	ND	1.03	ND	1.9	ND	9.5
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.59 J	ND	3.7
o-Xylene	ND	ND	ND	3.04	ND	ND	ND	ND	1.23	ND	2.3	ND	7.9
1,1,2-Trichlorotrifluoroethane	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	NL
Total xylenes	ND	ND	ND	8.04	ND	1.82	ND	2.18	4.64	ND	9	ND	22.2
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NL
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	2.04	12
Methyl Ethyl Ketone	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	NL
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.83 J	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	<1.3
Dibromochloromethane	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	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	3.7
Cyclohexylamine	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	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	16.5
1,1-Dichloroethane	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	<0.9
4-Ethyltoluene	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	98.9
Carbon disulfide	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	5.4
Freon 11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	NL
Freon 12	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	NL
Isopropyl alcohol	22.0	3.42	7.92	7.23	ND	10.1	ND	600	38.1	2.33	7.4 J	19	NL
Methyl tert-butyl ether	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	NL
Ethanol	57.7	29.6	203	174	ND	936	18.0	1,480	275	12.3	ND	122	210
Hexane	ND	ND	ND	ND	ND	ND	ND	0.733	ND	ND	2.5	ND	NL
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.202	ND	ND	<1.9
1,3-Butadiene	ND	ND	ND	0.790	ND	ND	ND	ND	ND	ND	0.30 J	ND	<3.0
Propylene	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 equal to the Method Detection Limit and the concentration is an approximate 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

<p> SANITARY MANHOLE SANITARY CLEAN OUT STORM INLET WATER VALVE FIRE HYDRANT GAS VALVE GAS REGULATOR GAS METER UTILITY POLE ELECTRIC METER TELEPHONE MANHOLE MONITOR WELL </p>	<p> FENCE SANITARY SEWER LINE GAS LINE WATER LINE ELECTRIC WIRES OVERHEAD UTILITY WIRES GUY WIRE </p>	<p> CONC. RECORD MEAS. MEASURED <p>N. NORTH S. SOUTH E. EAST W. WEST</p> <p>No. NUMBER L. LIBER P. PAGE SQ. FT. SQUARE FEET ° DEGREES ' FEET OR MINUTES " INCHES OR SECONDS</p> </p>
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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.
- (MNS) 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

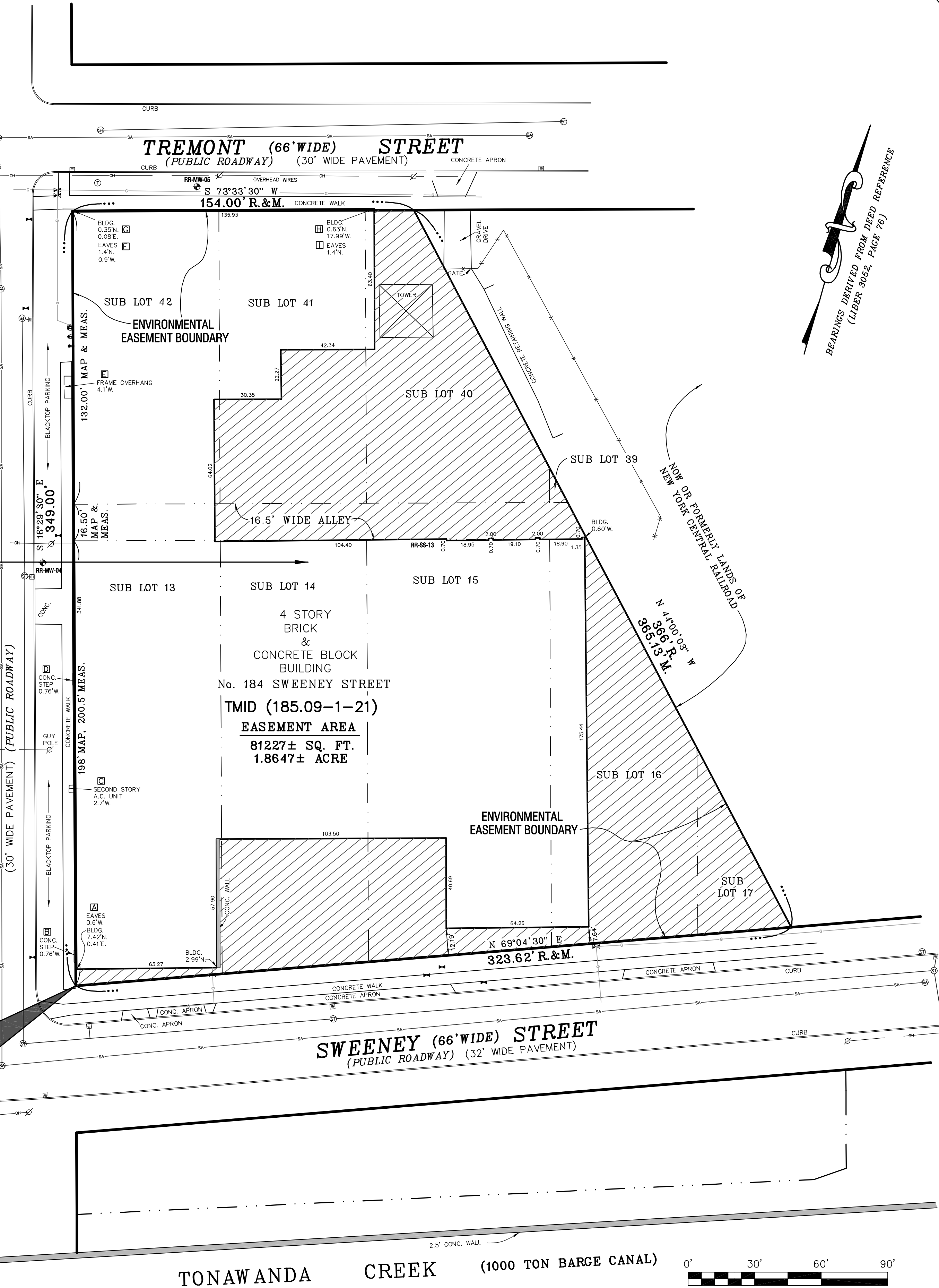
- ☒ Subject property's eave encroaches up to 0.6'W.
☒ Subject property's concrete step encroaches up to 0.76'W.
☒ Subject property's second story air conditioning unit encroaches up to 2.7'W.
☒ Subject property's concrete step encroaches up to 0.76'W.
☒ Subject property's frame overhang encroaches up to 4.1'W.
☒ Subject property's eave encroaches up to 0.6'W. & 0.9'W.
☒ Subject property's building encroaches up to 0.35'N.
☒ Subject property's building encroaches up to 0.63'N.
☒ 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



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 of 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 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: shisurvg@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 19, 2023

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: Partly Cloudy, 65° 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.

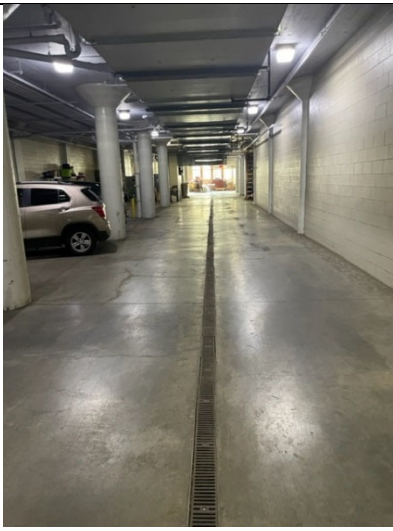
General Comments:

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

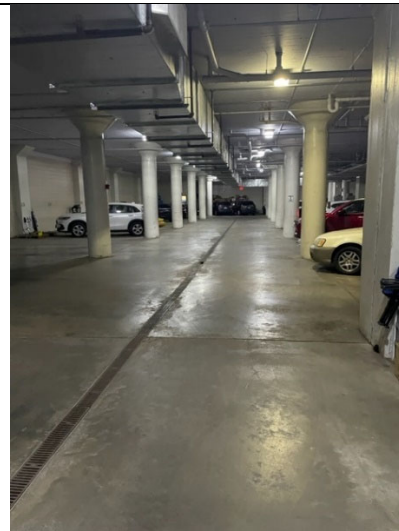
INSPECTOR'S NAME: Andrew Koons

APPENDIX 3

Photographs



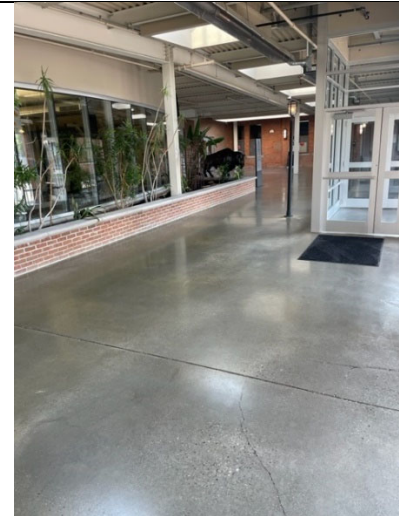
Eastern portion of parking garage facing north



Southern portion of parking garage facing west



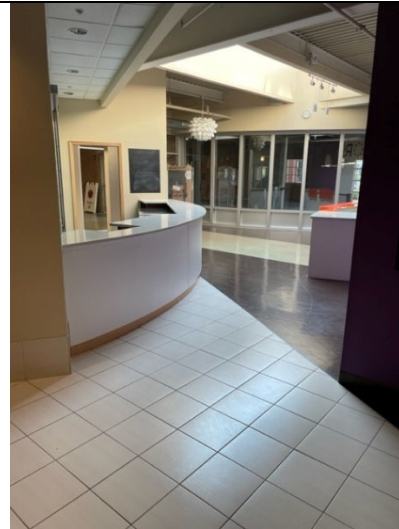
Western portion of parking garage facing north



Main Lobby



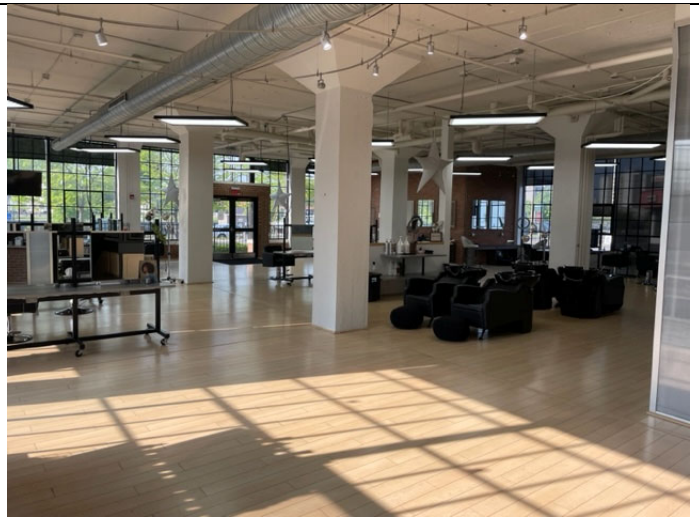
Gym Area



Gym Lobby Area



Storage Area



Salon Area



Salon Products



Front vestibule (southern exterior) of building



Northern exterior of Building



Eastern exterior disposal storage area



Eastern courtyard



Active SSDS fan

APPENDIX 4

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

Site Details

Site No. C932142

Box 1

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, 2022 to May 20, 2023

YES NO

- | | | | |
|----|--|-------------------------------------|-------------------------------------|
| 1. | Is the information above correct? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| | If NO, include handwritten above or on a separate sheet. | | |
| 2. | Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. | Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. | Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development? ☐ ☒

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**ParcelOwnerInstitutional 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**ParcelEngineering 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.

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

☒☐

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

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

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

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

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

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

YES NO

☒☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

**IC CERTIFICATIONS
SITE NO. 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 Street, Buffalo NY 14209,
print name print business address

am certifying as Designanted Representative (Owner or Remedial Party)

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



Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

May 23 2023
Date

EC CERTIFICATIONS

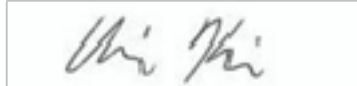
Box 7

Qualified Environmental Professional Signature

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

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

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



Signature of Qualified Environmental Professional, for
the Owner or Remedial Party, Rendering Certification

Stamp
(Required for PE)

5/23/2023
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 5/19/23

Preparer's Affiliation Consultant Phone No. 716.417.9150

Purpose of Investigation PRR certification

1. OCCUPANT:

Interviewed: Y/N (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 (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
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, Gym

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

Other characteristics:

Number of floors 4

Building age _____

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

Ø

Airflow near source

Ø

Outdoor air infiltration

Ø

Infiltration into air ducts

Ø

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

- a. Above grade construction: wood frame concrete stone brick
- b. Basement type: N/A full crawlspace slab other _____
- c. Basement floor: N/A concrete dirt stone other _____
- d. Basement floor: N/A 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: N/A wet damp dry moldy
- i. The basement is: N/A 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)

- | | | |
|----------------------------|------------------|---------------------------------|
| <u>Hot air circulation</u> | 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:

- | | | |
|--------------------|----------|----------|
| <u>Natural Gas</u> | Fuel Oil | Kerosene |
| Electric | Propane | Solar |
| Wood | Coal | |

Domestic hot water tank fueled by: _____

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 + 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

N/A

1st Floor

Restaurant, salon, gym, 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? _____

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? _____

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? outdoors

n. Is there a bathroom exhaust fan? ☒ Y / ☐ N If yes, where vented? outdoors

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)

Yes, use dry-cleaning infrequently (monthly or less)

Yes, work at a dry-cleaning service

☒ No

Unknown

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: N/A

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: N/A

see

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: _____

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

[illegible]

* 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:	L2328412
Client:	LaBella Associates, P.C. 300 Pearl Street Suite 252 Buffalo, NY 14202
ATTN:	Christopher Kibler
Phone:	(716) 551-6281
Project Name:	REMINGTON PRR
Project Number:	Not Specified
Report Date:	06/05/23

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

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (99110), NJ (MA015), NY (11627), NC (685), OH (CL106), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708), USFWS (Permit #206964).

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



Project Name: REMINGTON PRR
Project Number: Not Specified

Lab Number: L2328412
Report Date: 06/05/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2328412-01	SS-VENT-01	SOIL_VAPOR	184 SWEENEY STREET	05/19/23 15:20	05/19/23

Project Name: REMINGTON PRR
Project Number: Not Specified

Lab Number: L2328412
Report Date: 06/05/23

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 PRR
Project Number: Not Specified

Lab Number: L2328412
Report Date: 06/05/23

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on May 12, 2023. The canister certification results are provided as an addendum.

L2328412-01D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to perform a screen analysis. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 06/05/23

AIR

Project Name: REMINGTON PRR**Lab Number:** L2328412**Project Number:** Not Specified**Report Date:** 06/05/23**SAMPLE RESULTS**

Lab ID: L2328412-01 D
 Client ID: SS-VENT-01
 Sample Location: 184 SWEENEY STREET

Date Collected: 05/19/23 15:20
 Date Received: 05/19/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 06/02/23 02:08
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.474	0.260	--	2.34	1.29	--		1.302
Chloromethane	0.262	0.260	--	0.541	0.537	--		1.302
Freon-114	ND	0.260	--	ND	1.82	--		1.302
Vinyl chloride	ND	0.260	--	ND	0.665	--		1.302
1,3-Butadiene	ND	0.260	--	ND	0.575	--		1.302
Bromomethane	ND	0.260	--	ND	1.01	--		1.302
Chloroethane	ND	0.260	--	ND	0.686	--		1.302
Ethanol	65.0	6.51	--	122	12.3	--		1.302
Vinyl bromide	ND	0.260	--	ND	1.14	--		1.302
Acetone	6.20	1.30	--	14.7	3.09	--		1.302
Trichlorofluoromethane	ND	0.260	--	ND	1.46	--		1.302
Isopropanol	7.74	0.651	--	19.0	1.60	--		1.302
1,1-Dichloroethene	ND	0.260	--	ND	1.03	--		1.302
Tertiary butyl Alcohol	ND	0.651	--	ND	1.97	--		1.302
Methylene chloride	0.655	0.651	--	2.28	2.26	--		1.302
3-Chloropropene	ND	0.260	--	ND	0.814	--		1.302
Carbon disulfide	ND	0.260	--	ND	0.810	--		1.302
Freon-113	ND	0.260	--	ND	1.99	--		1.302
trans-1,2-Dichloroethene	ND	0.260	--	ND	1.03	--		1.302
1,1-Dichloroethane	ND	0.260	--	ND	1.05	--		1.302
Methyl tert butyl ether	ND	0.260	--	ND	0.937	--		1.302
2-Butanone	0.690	0.651	--	2.04	1.92	--		1.302
cis-1,2-Dichloroethene	ND	0.260	--	ND	1.03	--		1.302



Project Name: REMINGTON PRR**Lab Number:** L2328412**Project Number:** Not Specified**Report Date:** 06/05/23**SAMPLE RESULTS**

Lab ID: L2328412-01 D
 Client ID: SS-VENT-01
 Sample Location: 184 SWEENEY STREET

Date Collected: 05/19/23 15:20
 Date Received: 05/19/23
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	1.32	0.651	--	4.76	2.35	--		1.302
Chloroform	ND	0.260	--	ND	1.27	--		1.302
Tetrahydrofuran	ND	0.651	--	ND	1.92	--		1.302
1,2-Dichloroethane	ND	0.260	--	ND	1.05	--		1.302
n-Hexane	ND	0.260	--	ND	0.916	--		1.302
1,1,1-Trichloroethane	ND	0.260	--	ND	1.42	--		1.302
Benzene	0.432	0.260	--	1.38	0.831	--		1.302
Carbon tetrachloride	ND	0.260	--	ND	1.64	--		1.302
Cyclohexane	ND	0.260	--	ND	0.895	--		1.302
1,2-Dichloropropane	ND	0.260	--	ND	1.20	--		1.302
Bromodichloromethane	ND	0.260	--	ND	1.74	--		1.302
1,4-Dioxane	ND	0.260	--	ND	0.937	--		1.302
Trichloroethene	ND	0.260	--	ND	1.40	--		1.302
2,2,4-Trimethylpentane	0.302	0.260	--	1.41	1.21	--		1.302
Heptane	ND	0.260	--	ND	1.07	--		1.302
cis-1,3-Dichloropropene	ND	0.260	--	ND	1.18	--		1.302
4-Methyl-2-pentanone	ND	0.651	--	ND	2.67	--		1.302
trans-1,3-Dichloropropene	ND	0.260	--	ND	1.18	--		1.302
1,1,2-Trichloroethane	ND	0.260	--	ND	1.42	--		1.302
Toluene	1.01	0.260	--	3.81	0.980	--		1.302
2-Hexanone	ND	0.260	--	ND	1.07	--		1.302
Dibromochloromethane	ND	0.260	--	ND	2.22	--		1.302
1,2-Dibromoethane	ND	0.260	--	ND	2.00	--		1.302
Tetrachloroethene	ND	0.260	--	ND	1.76	--		1.302
Chlorobenzene	ND	0.260	--	ND	1.20	--		1.302
Ethylbenzene	ND	0.260	--	ND	1.13	--		1.302



Project Name: REMINGTON PRR**Lab Number:** L2328412**Project Number:** Not Specified**Report Date:** 06/05/23**SAMPLE RESULTS**

Lab ID: L2328412-01 D
 Client ID: SS-VENT-01
 Sample Location: 184 SWEENEY STREET

Date Collected: 05/19/23 15:20
 Date Received: 05/19/23
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.521	--	ND	2.26	--		1.302
Bromoform	ND	0.260	--	ND	2.69	--		1.302
Styrene	ND	0.260	--	ND	1.11	--		1.302
1,1,2,2-Tetrachloroethane	ND	0.260	--	ND	1.79	--		1.302
o-Xylene	ND	0.260	--	ND	1.13	--		1.302
4-Ethyltoluene	ND	0.260	--	ND	1.28	--		1.302
1,3,5-Trimethylbenzene	ND	0.260	--	ND	1.28	--		1.302
1,2,4-Trimethylbenzene	ND	0.260	--	ND	1.28	--		1.302
Benzyl chloride	ND	0.260	--	ND	1.35	--		1.302
1,3-Dichlorobenzene	ND	0.260	--	ND	1.56	--		1.302
1,4-Dichlorobenzene	ND	0.260	--	ND	1.56	--		1.302
1,2-Dichlorobenzene	ND	0.260	--	ND	1.56	--		1.302
1,2,4-Trichlorobenzene	ND	0.260	--	ND	1.93	--		1.302
Hexachlorobutadiene	ND	0.260	--	ND	2.77	--		1.302

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



Project Name: REMINGTON PRR

Lab Number: L2328412

Project Number: Not Specified

Report Date: 06/05/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/01/23 15:26

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1786110-4								
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 PRR

Lab Number: L2328412

Project Number: Not Specified

Report Date: 06/05/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/01/23 15:26

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1786110-4								
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 PRR

Lab Number: L2328412

Project Number: Not Specified

Report Date: 06/05/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/01/23 15:26

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1786110-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: REMINGTON PRR

Project Number: Not Specified

Lab Number: L2328412

Report Date: 06/05/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1786110-3								
Dichlorodifluoromethane	89		-		70-130	-		
Chloromethane	89		-		70-130	-		
Freon-114	94		-		70-130	-		
Vinyl chloride	96		-		70-130	-		
1,3-Butadiene	95		-		70-130	-		
Bromomethane	96		-		70-130	-		
Chloroethane	96		-		70-130	-		
Ethanol	109		-		40-160	-		
Vinyl bromide	82		-		70-130	-		
Acetone	94		-		40-160	-		
Trichlorofluoromethane	94		-		70-130	-		
Isopropanol	82		-		40-160	-		
1,1-Dichloroethene	95		-		70-130	-		
Tertiary butyl Alcohol	98		-		70-130	-		
Methylene chloride	93		-		70-130	-		
3-Chloropropene	93		-		70-130	-		
Carbon disulfide	84		-		70-130	-		
Freon-113	94		-		70-130	-		
trans-1,2-Dichloroethene	89		-		70-130	-		
1,1-Dichloroethane	92		-		70-130	-		
Methyl tert butyl ether	88		-		70-130	-		
2-Butanone	86		-		70-130	-		
cis-1,2-Dichloroethene	95		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: REMINGTON PRR

Project Number: Not Specified

Lab Number: L2328412

Report Date: 06/05/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1786110-3								
Ethyl Acetate	93		-		70-130	-		
Chloroform	93		-		70-130	-		
Tetrahydrofuran	82		-		70-130	-		
1,2-Dichloroethane	90		-		70-130	-		
n-Hexane	97		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
Benzene	90		-		70-130	-		
Carbon tetrachloride	99		-		70-130	-		
Cyclohexane	96		-		70-130	-		
1,2-Dichloropropane	98		-		70-130	-		
Bromodichloromethane	96		-		70-130	-		
1,4-Dioxane	96		-		70-130	-		
Trichloroethene	97		-		70-130	-		
2,2,4-Trimethylpentane	97		-		70-130	-		
Heptane	91		-		70-130	-		
cis-1,3-Dichloropropene	101		-		70-130	-		
4-Methyl-2-pentanone	96		-		70-130	-		
trans-1,3-Dichloropropene	87		-		70-130	-		
1,1,2-Trichloroethane	99		-		70-130	-		
Toluene	91		-		70-130	-		
2-Hexanone	88		-		70-130	-		
Dibromochloromethane	96		-		70-130	-		
1,2-Dibromoethane	92		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: REMINGTON PRR

Project Number: Not Specified

Lab Number: L2328412

Report Date: 06/05/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1786110-3								
Tetrachloroethene	92		-		70-130	-		
Chlorobenzene	89		-		70-130	-		
Ethylbenzene	92		-		70-130	-		
p/m-Xylene	92		-		70-130	-		
Bromoform	96		-		70-130	-		
Styrene	92		-		70-130	-		
1,1,2,2-Tetrachloroethane	93		-		70-130	-		
o-Xylene	94		-		70-130	-		
4-Ethyltoluene	88		-		70-130	-		
1,3,5-Trimethylbenzene	90		-		70-130	-		
1,2,4-Trimethylbenzene	97		-		70-130	-		
Benzyl chloride	95		-		70-130	-		
1,3-Dichlorobenzene	91		-		70-130	-		
1,4-Dichlorobenzene	93		-		70-130	-		
1,2-Dichlorobenzene	93		-		70-130	-		
1,2,4-Trichlorobenzene	96		-		70-130	-		
Hexachlorobutadiene	97		-		70-130	-		

Project Name: REMINGTON PRR

Serial_No:06052314:19
Lab Number: L2328412

Project Number:

Report Date: 06/05/23

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2328412-01	SS-VENT-01	0560	Flow 5	05/12/23	423307		-	-	-	Pass	4.5	4.8	6
L2328412-01	SS-VENT-01	188	2.7L Can	05/12/23	423307	L2324032-06	Pass	-29.5	-10.3	-	-	-	-

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

Lab Number: L2324032
Report Date: 06/05/23

Air Canister Certification Results

Lab ID: L2324032-06
Client ID: CAN 2222 SHELF 19
Sample Location:

Date Collected: 05/03/23 11:00
Date Received: 05/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 05/04/23 00:17
Analyst: RAY

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



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

Lab Number: L2324032
Report Date: 06/05/23

Air Canister Certification Results

Lab ID: L2324032-06
Client ID: CAN 2222 SHELF 19
Sample Location:

Date Collected: 05/03/23 11:00
Date Received: 05/03/23
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2324032
Report Date: 06/05/23

Air Canister Certification Results

Lab ID: L2324032-06
Client ID: CAN 2222 SHELF 19
Sample Location:

Date Collected: 05/03/23 11:00
Date Received: 05/03/23
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2324032
Report Date: 06/05/23

Air Canister Certification Results

Lab ID: L2324032-06
Client ID: CAN 2222 SHELF 19
Sample Location:

Date Collected: 05/03/23 11:00
Date Received: 05/03/23
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2324032**Project Number:** CANISTER QC BAT**Report Date:** 06/05/23**Air Canister Certification Results**

Lab ID: L2324032-06

Date Collected: 05/03/23 11:00

Client ID: CAN 2222 SHELF 19

Date Received: 05/03/23

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	105		60-140
Bromochloromethane	107		60-140
chlorobenzene-d5	110		60-140

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

Lab Number: L2324032
Report Date: 06/05/23

Air Canister Certification Results

Lab ID: L2324032-06
Client ID: CAN 2222 SHELF 19
Sample Location:

Date Collected: 05/03/23 11:00
Date Received: 05/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 05/04/23 00:17
Analyst: RAY

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

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

Lab Number: L2324032
Report Date: 06/05/23

Air Canister Certification Results

Lab ID: L2324032-06
Client ID: CAN 2222 SHELF 19
Sample Location:

Date Collected: 05/03/23 11:00
Date Received: 05/03/23
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2324032
Report Date: 06/05/23

Air Canister Certification Results

Lab ID: L2324032-06
Client ID: CAN 2222 SHELF 19
Sample Location:

Date Collected: 05/03/23 11:00
Date Received: 05/03/23
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	105		60-140
bromochloromethane	109		60-140
chlorobenzene-d5	110		60-140



Project Name: REMINGTON PRR**Lab Number:** L2328412**Project Number:** Not Specified**Report Date:** 06/05/23**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

NA Absent

Container Information**Container ID** **Container Type**

L2328412-01A Canister - 2.7 Liter

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

Project Name: REMINGTON PRR**Lab Number:** L2328412**Project Number:** Not Specified**Report Date:** 06/05/23

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 PRR
Project Number: Not Specified

Lab Number: L2328412
Report Date: 06/05/23

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 PRR**Lab Number:** L2328412**Project Number:** Not Specified**Report Date:** 06/05/23**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.)

Project Name: REMINGTON PRR
Project Number: Not Specified

Lab Number: L2328412
Report Date: 06/05/23

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



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

Revision 19

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Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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



CHAIN OF CUSTODY

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

Client Information

Client: LaBella Associates
Address: 300 Pearl Street
Buffalo, NY

Phone:

Fax:

Email: ckibler@labellapc.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

Project Information

Project Name:	Remington RRR
Project Location:	184 Sweeney Street
Project #:	
Project Manager:	Chris Kibler
ALPHA Quote #:	

Turn-Around Time

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

Date Due: Time:

Date Rec'd in Lab: 5/20/23

Report Information - Data Deliverables

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

ALPHA Job #: L2328412

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
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ANALYSIS

TO-15 ☐
TO-15 SIM ☐
APH ☐ Substrate Non-petroleum HCs ☐
Fixed Gases ☐
Sulfides & Mercaptans by TO-15 ☐

All Columns Below Must Be Filled Out

[illegible]

*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:

and Ken
9 Rpt APL
R. Manos

5/19/23 1520
5/19/23 1521
600
5/20/23 0720

NED 5-19-23 1520
R. Manos
5/20/23 0830
5/20/23 0600
5/20/23 0720