

ANNUAL INSPECTION REPORT

**Former Cleaners Sales and Equipment Corp. Site
135 Kent Avenue
Brooklyn, NY 11249
NYSDEC BCP Number: C224177**

Prepared for
135 Kent LLC
135 Kent Ave
Brooklyn, NY 11249-3154

Prepared by
The logo for Integral Engineering P.C. features the word "integral" in a blue, lowercase, sans-serif font. A thin, curved line starts from the bottom of the letter 'i' and sweeps upwards and to the right, ending under the letter 'l'. Below the word "integral", the words "engineering p.c." are written in a smaller, blue, lowercase, sans-serif font.
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June 7, 2024

Affiliated with Integral Consulting Inc.

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ACRONYMS AND ABBREVIATIONS

AGV	air guideline value
BCP	Brownfield Cleanup Program
CCR	construction completion report
EC	engineering control
HEPA	high-efficiency particulate air
iwc	inches of water column
Integral	Integral Engineering, P.C.
IRM	interim remedial measure
NYSDEC	New York State Department of Environmental Conservation
OM&M	operation, maintenance, and monitoring
PCE	tetrachloroethylene
SSDS	sub-slab depressurization system
VMP	vacuum monitoring point

1 INTRODUCTION

Integral Engineering, P.C. (Integral) presents this annual inspection report for August 1, 2021 through December 31, 2023, on behalf of 135 Kent LLC, detailing the operation, maintenance, and monitoring of the interim remedial measures (IRMs) installed at 135 Kent Avenue (Block 2333, Lot 5), Brooklyn, New York (the property or Site). The Site is currently enrolled in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) and is listed as NYSDEC Site No. C224177.

The findings of the Site Soil Vapor Intrusion Report¹ indicated that soil vapor intrusion of tetrachloroethylene (PCE) was occurring at the Site. Several IRMs were installed at the Site to mitigate PCE vapor intrusion: air filtration units were placed in all commercial and residential spaces, and a sub-slab depressurization system (SSDS) was installed. IRM maintenance, monitoring, and reporting are performed on a monthly basis in accordance with BCP requirements.

An operation, maintenance, and monitoring (OM&M) plan² and construction completion report³ (CCR) were prepared for the Site after the SSDS was constructed and confirmed to be operational by a professional engineer. This annual report has been prepared in conformance with the requirements for annual certification as denoted in the OM&M and CCR.

1.1 SITE DESCRIPTION

The Site is located in a mixed-use area of the Williamsburg section of the Borough of Brooklyn (Figure 1). The Site is bounded to the northeast by North 6th Street, to the southeast and to the southwest by mixed commercial/residential buildings, and to the northwest by Kent Avenue (Figure 2). The adjoining property to the south, located at 149 Kent Avenue, Brooklyn, New York, received a Certificate of Completion under the NYSDEC BCP (Site No. C224159).

The Site comprises one tax lot identified on the Kings County tax map as Block 2333, Lot 5, and is currently zoned as M1-2/R6A (mixed use residential). The entire lot is developed with a two story commercial/residential building (measuring approximately 125 ft by 100 ft). Figure 2 presents a Site plan with the first floor building layout as it existed at the time of the 2023 annual monitoring

¹ Soderberg, J.V. 2014. Former Cleaners Sales & Equipment Corp., Site No. C224177, Soil Vapor Intrusion Report. John V. Soderberg, P.E. on behalf of 135 Kent Avenue Management Corp. February 2014.

² Soderberg, J.V. 2015. Sub-Slab Depressurization System, Site No. C224177, Operation, Maintenance and Monitoring Plan. John V. Soderberg, P.E. on behalf of 135 Kent Avenue Management Corp., October 2015.

³ Soderberg, J.V. 2016. Former Cleaners Sales & Equipment Corp., Sub-Slab Depressurization System Construction Completion Report, Site No. C224177, Soil Vapor Intrusion Report. John V. Soderberg, P.E. on behalf of 135 Kent Avenue Management Corp., March 2016.

inspection. The first floor of the building was previously divided into individual commercial tenant spaces and storage areas; in October 2023, the non-structural walls on the first floor were demolished, except for the walls surrounding the deli tenant. An elevator is located in the southeastern portion of the building. A small cellar utility room measuring approximately 20 ft by 10 ft, exists beneath the northernmost corner of the first floor. The second floor contains nine residential apartments (Figure 3).

1.2 PURPOSE OF THIS REPORT

This report has been prepared in conformance with the annual certification requirements outlined in the Site OM&M plan and CCR. The report is organized as follows:

- Introduction—Presents a description of the property and the purpose of the report.
- Engineering Controls—Presents a summary of the engineering controls (ECs) installed at the property, the modifications or enhancements made to the ECs, if any, and an evaluation of the ECs and monitoring plan.
- Site Inspections and IRM Repairs—Presents a summary of monthly monitoring, the results of annual inspections, and a discussion of maintenance and repairs performed on the ECs, if any.
- Conclusions and Recommendations.
- Certification—Presents the signature and seal of the professional engineer to certify that the engineering controls are in place, are performing properly, and remain effective.

2 ENGINEERING CONTROLS

This section presents a summary of the ECs installed at the property, the modifications or enhancements made to the ECs, if any, and an evaluation of the ECs and the monitoring plan.

2.1 SUMMARY OF ENGINEERING CONTROLS

The Site has the following primary ECs, as described in the following subsections:

- Active SSDS to create negative pressure across the slab (lower pressure below the slab)
- Air filtration units (installed as a temporary solution to address indoor soil vapor intrusion prior to installation of the SSDS).

2.1.1 Active SSDS

The Site SSDS was installed on June 20, 2014, as an IRM.⁴ A 3-horsepower Rotron vacuum motor functions as the SSDS blower. Six vertical vacuum wells (suction points) were installed to a depth of 5 ft below the existing concrete floor and are indicated as locations V-1 through V-6 on Figure 2. The wells are connected via PVC piping to the blower and then to two vapor-phase carbon treatment units in the SSDS Area, located near the back hallway and elevator on the first floor (Figure 2). The blower exhaust is routed from the SSDS Area to an exhaust stack on the roof (Figure 4). Ten sub-slab vacuum monitoring points (VMPs) were installed in 2014 for the measurement of sub-slab differential pressure. Several VMP locations have been reinstalled since 2014; the VMP locations during the December 27, 2023, annual inspection are indicated as PV-x on Figure 2.

The OM&M Plan, dated October 2015, provides details regarding SSDS monitoring and maintenance procedures.⁵ Monthly monitoring and maintenance activities are documented in progress reports submitted to NYSDEC. Differential pressure is recorded from the VMPs, and airflow velocity is measured from suction points on the vacuum well risers on a monthly basis. Monthly progress reports submitted through November 2016 by John Soderberg, P.E., indicated that the SSDS was fully operational during that period. Integral began submitting monthly progress reports in January 2017 and has continued to do so through March 2024.

The SSDS was installed with a Sensaphone 400 alarm system that is directly connected to a telephone line. The Sensaphone 400 is designed to call user-identified Site contacts in the event the SSDS is not operational, and this alarm has proven to be functional in the past. During the

⁴ Soderberg (2015). See fn. 2.

⁵ Soderberg (2015). See fn. 2.

2020 SSDS monitoring events, Integral noted ongoing issues with the Verizon phone line for the Sensaphone system. The 135 Kent LLC building management restored the telephone line connection in 2021, and the Sensaphone 400 alarm system has since been continuously functional. Integral periodically replaces the Sensaphone 400 batteries and reprograms it to notify local Integral staff in the event the SSDS is not running.

Though it was installed as an IRM, the active SSDS is considered a permanent engineering control. The active SSDS will not be discontinued unless prior written approval is granted by NYSDEC. If monitoring data indicate that the SSDS is no longer required, a proposal to discontinue the SSDS will be submitted to NYSDEC and the New York State Department of Health.

2.1.2 Air Filtration Units

AirPura model C600 and R600 air filtration units were installed at the Site building between January and April 2014 as a temporary solution to address indoor soil vapor intrusion prior to installation of the SSDS. Air filtration units were installed on the first floor in the commercial retail spaces and in the rear hallway by the elevator shaft. Two air filtration units were installed in the second-floor hallways, one at each end of the common hallway, and two units were installed in each second-floor apartment unit. The air filtration units continued to operate after installation of the SSDS in June 2014, and an additional air filtration unit was added to the second-floor hallway in 2018. The air filtration units contain high-efficiency particulate air (HEPA) and carbon filters. These filters require periodic change out and are routinely monitored in conjunction with other maintenance activities. Replacement air filters have additionally been installed when monthly inspections reveal that one or more air filters were damaged or missing.

Modifications were made to the type of air filtration units used at the Site in 2020, when units needed to be replaced in several commercial and residential spaces, because the AirPura R600 and C600 units were not available. On July 15, 2020, NYSDEC approved the use of the AustinAir Healthmate HM400, which uses HEPA and carbon filters. Eight AustinAir Healthmate HM 400 units were subsequently installed at the Site.

2.2 MODIFICATIONS OR ENHANCEMENTS TO THE ENGINEERING CONTROLS

No modifications or enhancements to the air filtration units or SSDS and associated VMPs were made from August 2021 through December 2023, except for the maintenance and repairs noted in Section 3, below.

3 SITE INSPECTIONS AND REPAIRS

This section presents a summary of monthly monitoring information, indoor air sampling results, and a discussion of maintenance and repairs made to the ECs between August 1, 2021 and December 31, 2023.

3.1 MONTHLY MONITORING

Site ECs are observed on a monthly basis. Observations made during August 1, 2021–December 31, 2023 monthly monitoring generally indicate the Site SSDS and air filtration units are operating without issue. An overview of the monthly monitoring data is provided below.

3.1.1 SSDS Monitoring Summary

Differential pressure measurements from VMPs and airflow velocity measurements from velocity ports (V-x) were collected as part of monthly monitoring activities from August 2021 through December 2023. Table 1 presents airflow velocity measurements, Table 2 contains differential pressure measurements, and Table 3 contains pressure readings collected from the gauges located before, between, and after the SSDS carbon treatment drums. The compiled monthly monitoring reports are provided as Appendix A.

3.1.1.1 Airflow Velocity Measurements

August 2021–December 2023 SSDS airflow velocity measurements were generally consistent at each suction point, and overall, they ranged from 764 to 2,576 ft per minute (Table 1, Figure 5). The following are notable airflow measurement observations:

- The suction points, except for V-1, appear to show an increasing airflow trend, with V-4 showing the most significant increase.
- V-6 fluctuated significantly between May 2022 and February 2023.
- Airflow for four of the suction points decreased in September 2023 while one (V-1) increased. Corresponding (slight) increases in sub-slab negative pressure were observed in several of the VMPs.

With the generally increasing airflow, we did not observe a corresponding decrease in sub-slab negative pressure, which would typically be expected.

3.1.1.2 Differential Pressure Measurements

August 2021–December 2023 VMP data collected generally indicated the SSDS generated a negative differential pressure (meaning lower pressure below the slab) sub-slab conditions at the Site (Table 2, Figure 6):

- Generally consistent negative differential pressure was measured in VMPs PV-1R, PV-2R and replacement point PV-2RR, PV-3, PV-4R, PV5-R, PV-7RR, PV-8, and PV-10R.
- The reinstallation of PV-2R (now named PV-2RR) successfully reconnected this VMP to the sub-slab environment, and we observed a significant increase in negative pressure, which was likely due to increased proximity to suction location V-4.
- PV-3 displayed significant fluctuations in differential pressure, with the measurements remaining negative.
- Negative and positive differential pressure measurements were recorded at VMP PV11RR; this VMP was reinstalled in February 2020 due to concern that it was not connected to sub-slab conditions. The positive differential pressure measurements continue intermittently, despite the reinstallation. We recommend that an additional suction pit be installed near this location.
- Negative and positive differential pressure measurements were recorded at VMP PV-6RR. It is possible that PV-6RR was not installed deeply enough to connect with sub-slab conditions (a second concrete slab was noted beneath the building slab during the February 2020 reinstallation of PV-11RR). We recommend that PV-6RR be reinstalled and that an additional suction pit be installed near this location (may be the same suction pit as near PV-11RR).

3.1.1.3 SSDS Drum Pressure Readings

Pressure readings from the pre- and post-lead drum SSDS gauges, PI102 and PI103,⁶ respectively, are collected during each monthly monitoring event to monitor SSDS blower function (Table 3). The SSDS gauge readings recorded from August 2021 through December 2023 are consistent: gauge PI102 pressure readings ranged from 43 to 46 inches of water column (iwc) and gauge PI103 pressure readings ranged from 30 to 33 iwc.

3.1.2 Air Filtration Units

Air filtration units in accessible commercial spaces and in the residential hallways are observed during the monthly monitoring events. When air filtration units are identified as missing,

⁶ Gauge “101” does not presently exist. This number is reserved for a future vacuum indicator, if installed.

Integral provides air filtration units to commercial and residential tenants. Tables 4 and 5 present a summary of building air filtration units as noted during spring 2022 and February 2024 maintenance events. Information regarding air filtration unit maintenance is provided in Section 3.5.3, below.

3.2 INDOOR AIR SAMPLING

Integral performed indoor air sampling at the Site during the 2022–2023 heating season, as required by NYSDEC, in accordance with the NYSDEC-approved August 2021 work plan.⁷ Integral initiated collection of the following air samples on March 23, 2023, and continued for the listed duration below:

- One indoor air sample from the Site cellar (8-hour duration)
- Five indoor air samples from Site first-floor hallways and vacant commercial spaces (8-hour duration)
- Two indoor air samples from the second-floor hallway (8-hour duration)
- Nine indoor air samples from second-floor residential spaces (24-hour duration)
- Two outdoor (ambient) air samples (one 8-hour duration and one 24-hour duration).

The samples were picked up by Alpha Analytical (now Pace) and analyzed for volatile organic compounds via EPA Method TO-15. Seven compounds were analyzed by EPA Method TO-15 SIM to meet a laboratory reporting limit of 0.20 µg/m³ or less: 1,1,1-trichloroethane, 1,1-dichloroethene, carbon tetrachloride, *cis*-1,2-dichloroethylene, PCE, trichloroethylene, and vinyl chloride. The analytical laboratory report is provided as Appendix B and the data usability summary report is provided as Appendix C.

Table 6 presents the air sample analytical data alongside the New York State Department of Health air guideline values (AGVs). One result exceeded an AGV: the PCE concentration in cellar sample IA23-06 was 37.2 µg/m³ and exceeded the AGV of 30 µg/m³. Air samples collected from the cellar during the March 2018 and March 2022 sampling events also exceeded the AGV for PCE, with PCE concentrations of 73.2 µg/m³ and 47.7 µg/m³, respectively.⁸ The cellar is not an occupied space and is used solely for access to utilities. The compiled tenant notification letters providing the results of the 2023 air sampling event are provided as Appendix D.

⁷ Integral. 2021. Indoor Air Sampling Work Plan, Former Cleaner Sales and Equipment Corp. Site, 135 Kent Avenue, Brooklyn. Integral Engineering, P.C., on behalf of 135 Kent Avenue Management Corp. August.

⁸ Integral. 2022. Remedial Investigation Phase 1 Report, Former Cleaner Sales and Equipment Corp. Site, 135 Kent Avenue, Brooklyn. Integral Engineering, P.C., on behalf of 135 Kent LLC. October.

3.3 SEVERE CONDITION INSPECTIONS

No severe condition inspections were conducted from August 1, 2021 through December 31, 2023.

3.4 ANNUAL INSPECTIONS

Integral performed annual inspections of the Site ECs on December 8, 2022, and December 27, 2023. The annual inspections included collection of differential pressure measurements from the VMPs, collection of airflow velocity measurements and valve positions for the SSDS vapor wells, collection of SSDS pressure gauge readings, review of SSDS connections and piping including the rooftop exhaust stacks, and observations as to the location and operation of accessible air filtration units. SSDS measurements from the inspection events are presented in Tables 1 through 3. Photographs from the annual inspections are provided in Appendix E. The differential pressure and airflow velocity data collected during the annual inspections were comparable to those collected at the Site during the monthly monitoring events. Based on observations and measurements collected during the annual inspections, the ECs were functioning as designed.

During the December 27, 2023, annual inspection, water was heard in two sections of SSDS piping that were connected to SSDS suction points V-5 and V-6. Regarding V-6, the valve was temporarily opened to allow water to drain back into the suction pit. Following 15 minutes of draining, the valve was opened and water was no longer heard in that section of SSDS piping. Regarding V-5, Integral identified a low spot in the piping that led to collection of condensate. In January 2024, 135 Kent LLC installed a support to remove the low spot and to allow for water drainage. Water was not heard within the V-5 or V-6 piping during the February 2024 monitoring event.

3.5 ENGINEERING CONTROL MAINTENANCE AND REPAIRS

The Site monitoring data for the SSDS and air filtration units are reviewed monthly to identify the need for maintenance and/or repairs. The 135 Kent LLC building management is in regular communication with Integral regarding building activities and has reached out when issues are noted with the SSDS. The sections below provide additional details regarding EC maintenance and repairs performed from August 2021 through December 2023.

3.5.1 Slab Opening

The 135 Kent LLC building management repaired wastewater lines within the first-floor slab on October 12, 2021. Representatives for 135 Kent LLC documented hallway slab repairs and provided photographs to NYSDEC on October 13, 2021.

Integral performed monthly SSDS monitoring and reviewed slab repairs on October 18, 2021. The SSDS and alarm system were operating, and SSDS monitoring data were consistent with prior monitoring events. Integral noted that VMP PV-2R, located to the left of the hallway bathroom entrance, was covered during the slab repair. Integral notified 135 Kent LLC of the need to repair minor cracks observed in the center hallway slab and coordinated installation of a VMP to replace PV-2R.

Integral observed installation of replacement VMP PV-2RR on November 11, 2021, and collected a pressure reading from PV-2RR of -0.408 iwc several hours after installation, indicating vacuum beneath the slab at this location. Differential pressure readings at VMP PV-2RR have ranged from -0.399 to -0.429 iwc since the VMP was reinstalled (Table 2); these readings are several orders magnitude greater pressure than those observed at the previous VMP and reflect a better connection to sub-slab conditions.

Memoranda documenting the slab repairs and the VMP PV-2RR installation were submitted to NYSDEC, with the final document dated December 16, 2022 (attached as Appendix F).

3.5.2 Repair to SSDS Suction Well V-1

On September 5, 2023, building management for 135 Kent LLC notified Integral that there was a visible crack in the PVC piping for SSDS vertical well V-1, near the base of the PVC piping and cement floor, and 135 Kent LLC repaired it the same day. It is unknown how that damage occurred. The rear hallway is accessible only to building management and residential tenants, and not to commercial tenants on the first floor. No work was being performed by the building management in the rear hallway. With direction from Integral, the vertical pipe was repaired by 135 Kent LLC on September 5, 2023, by replacing the cracked section of PVC with new PVC pipe and sealing the connections with PVC primer and glue.

Integral inspected the repair to the vertical well on September 7, 2023, and observed no signs of leakage (visually or audibly). The cement where the pipe was reconnected was patched and no cracks were observed. Airflow through the V-1 vertical well was measured at 2,379 ft/min, consistent with previous readings from this well (typically between 2,000 and 2,500 ft/min). Pressure readings from the SSDS vapor monitoring points nearest to that piping connection both showed negative pressure, and the readings were consistent with previous readings at the site. No issues were reported with this vertical well in the subsequent months of monitoring.

3.5.3 Air Filtration Unit Maintenance

Integral conducted air filtration unit maintenance on February 23, 2022. The 135 Kent LLC building management notified residential tenants to leave air filtration units in the second floor hallway so that Integral and the building supervisor could perform maintenance without entering apartments. Residential tenants from apartments C-2, C-7, and C-11 did not provide

their units for maintenance; Apartment C-5 residential tenants indicated the air filtration unit they had was loud and requested a new one. Integral performed follow-up air filtration unit maintenance in March and April 2022, and provided new air filtration units for several commercial spaces and Apartment C-5. Table 4 presents a summary of building air filtration units and maintenance status as recorded during spring 2022 maintenance events.

Integral performed air filtration unit maintenance and filter changeout on February 29, 2024. We cleaned the accessible units and replaced the units' carbon and pre-filter materials. One residential tenant did not provide access to their air filtration units (and also did not provide access in spring 2022); 135 Kent LLC will attempt to coordinate with this tenant to perform air filtration unit maintenance during an upcoming monthly monitoring event. Three residential tenants appear to have discarded one or both of their air filters. Integral notified 135 Kent LLC of the air filter deficiency and requested that they purchase and install new filters, as appropriate. We may need NYSDEC to reiterate to the residents the requirement to not discard, and to keep operating, the air filters. Table 5 presents a summary of building air filtration units as recorded during the February 29, 2024, maintenance event.

3.6 EVALUATION OF THE ENGINEERING CONTROLS AND MONITORING PLAN

Based on a review of the monthly progress reports and the annual inspection, Integral concludes that, as a whole, the ECs are functioning as intended, and that the monitoring plan is effective. The SSDS is generally functioning as designed and the air filtration units are installed. We recommend that an additional suction point be installed near PV-6RR and PV-11RR. We suggest that these annual monitoring reports be submitted to NYSDEC by March 1 following each reporting (calendar) year.

4 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of monthly monitoring and annual inspection, Integral concludes that the ECs are generally performing as designed. We do not recommend changes to the monitoring plan. We suggest that these annual monitoring reports be submitted to NYSDEC by March 1 following each reporting (calendar) year.

We recommend that an additional suction point be installed near PV-6RR and PV-11RR.

CERTIFICATION

I, Keith P. Brodock, P.E., certify that I am currently a registered professional engineer licensed by the State of New York and that this Annual Inspection Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the Division of Environmental Remediation *Technical Guidance for Site Investigation and Remediation* (DER-10) and the *Construction Completion Report* dated March 18, 2016.

I certify that all the information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Keith P. Brodock, P.E., of Integral Engineering, P.C., am certifying as 135 Kent LLC's designated Site Representative.



089004

6/20/2024

NYS Professional Engineer #

Date

Signature

Figures

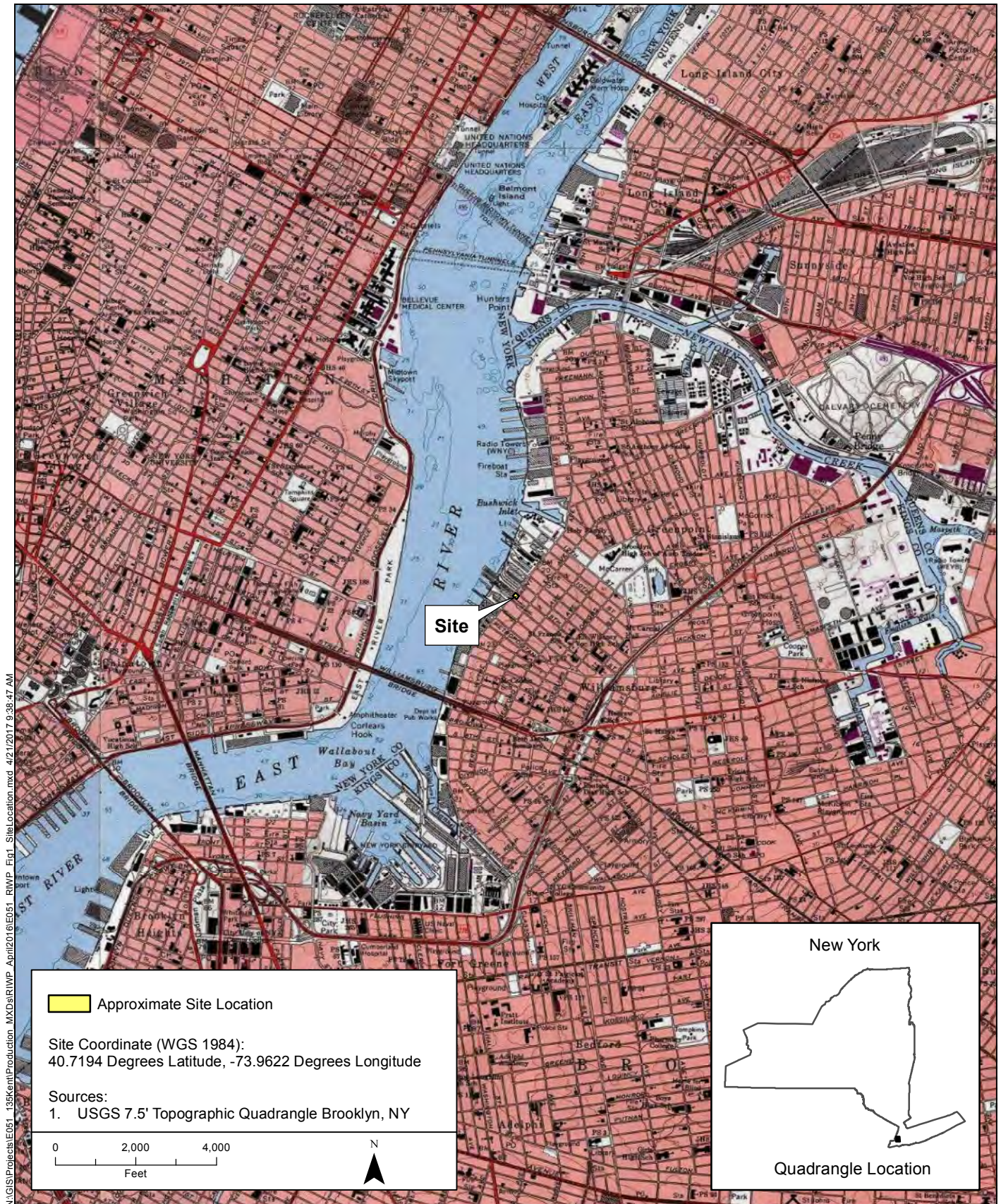
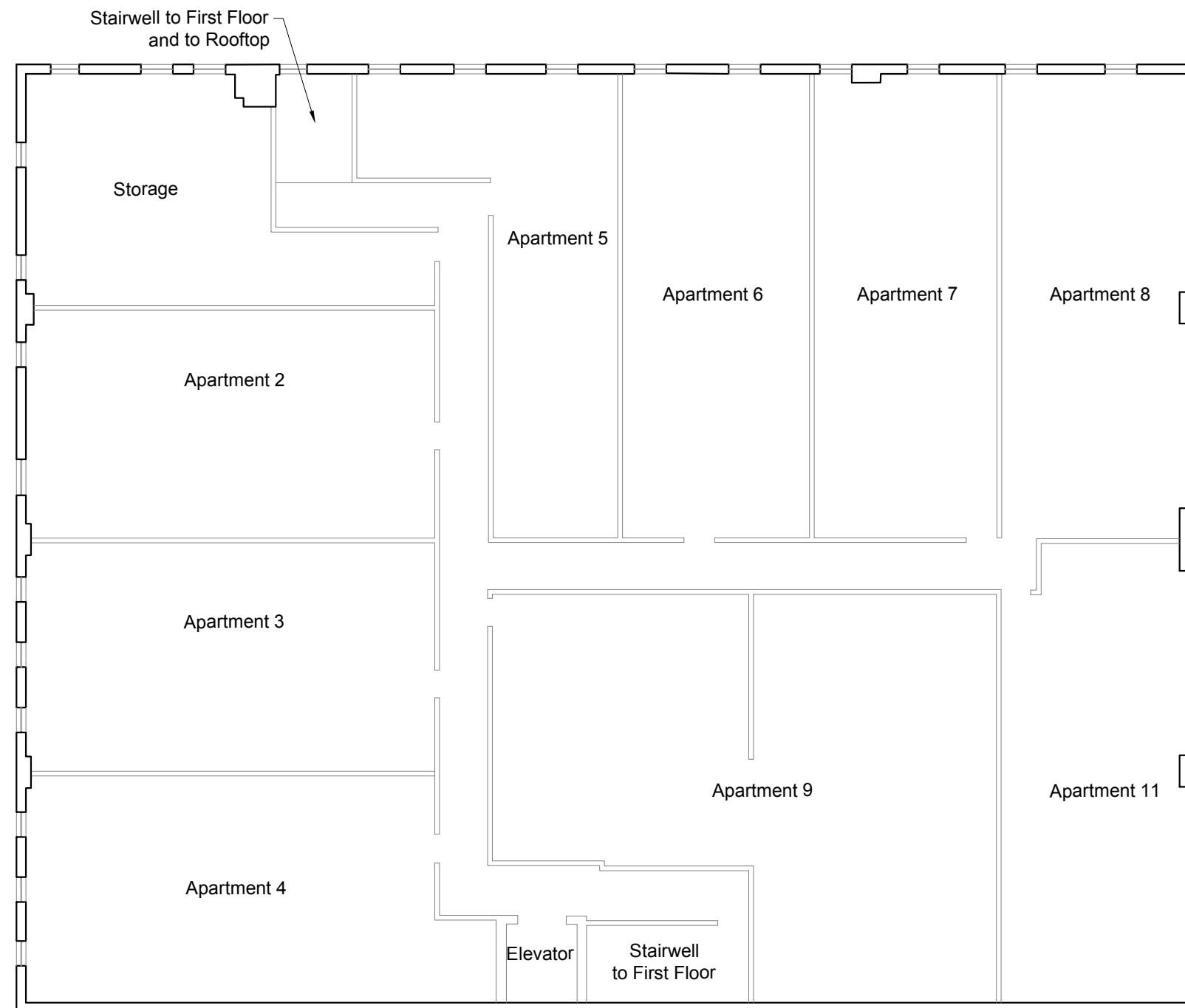


Figure 1.
 Site Location
 135 Kent Avenue, Brooklyn, NY

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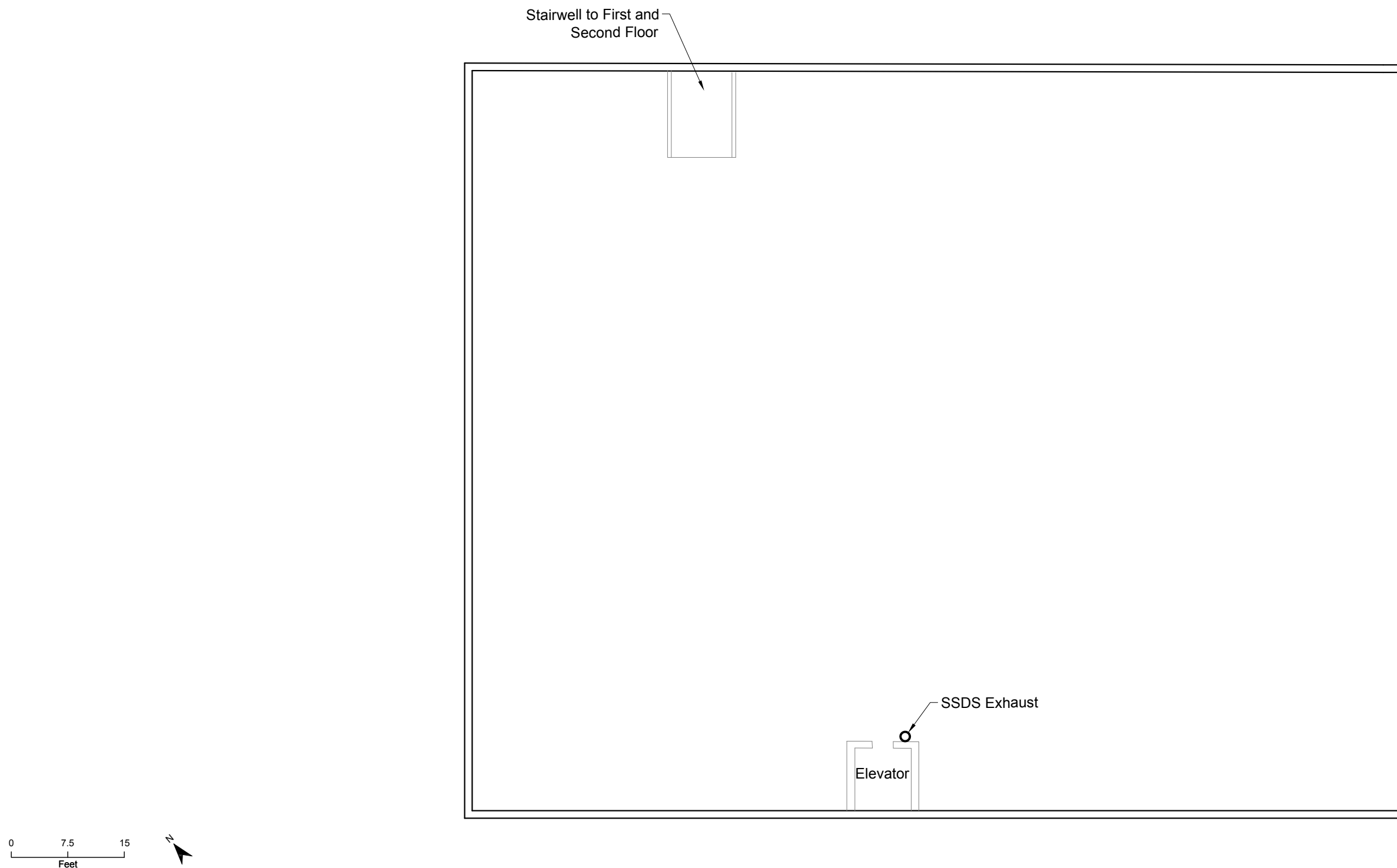


Sources:
1. Second Floor and Mezzanines, Figure-3b,
Franklin Estrella R.A., March 31, 2006

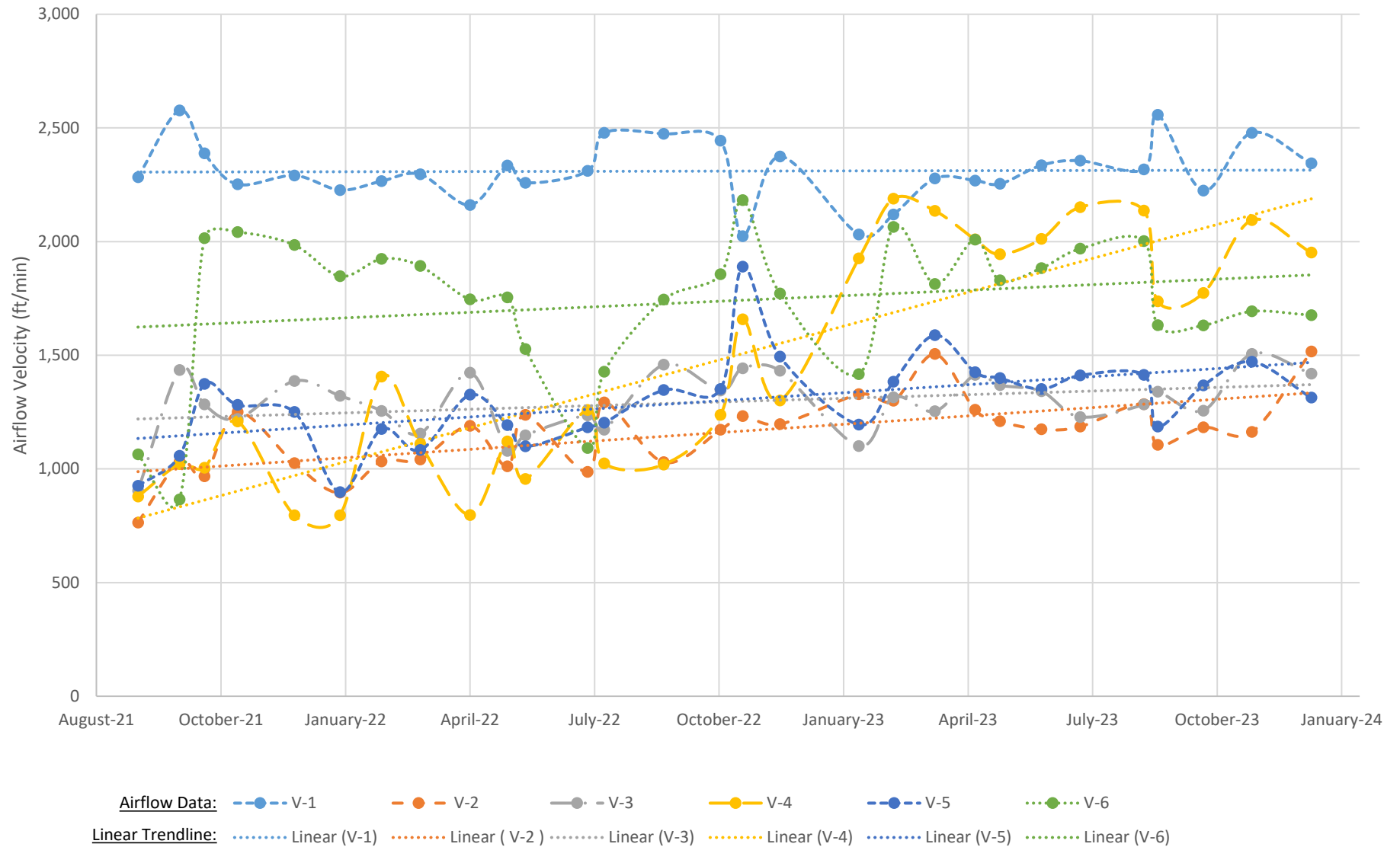
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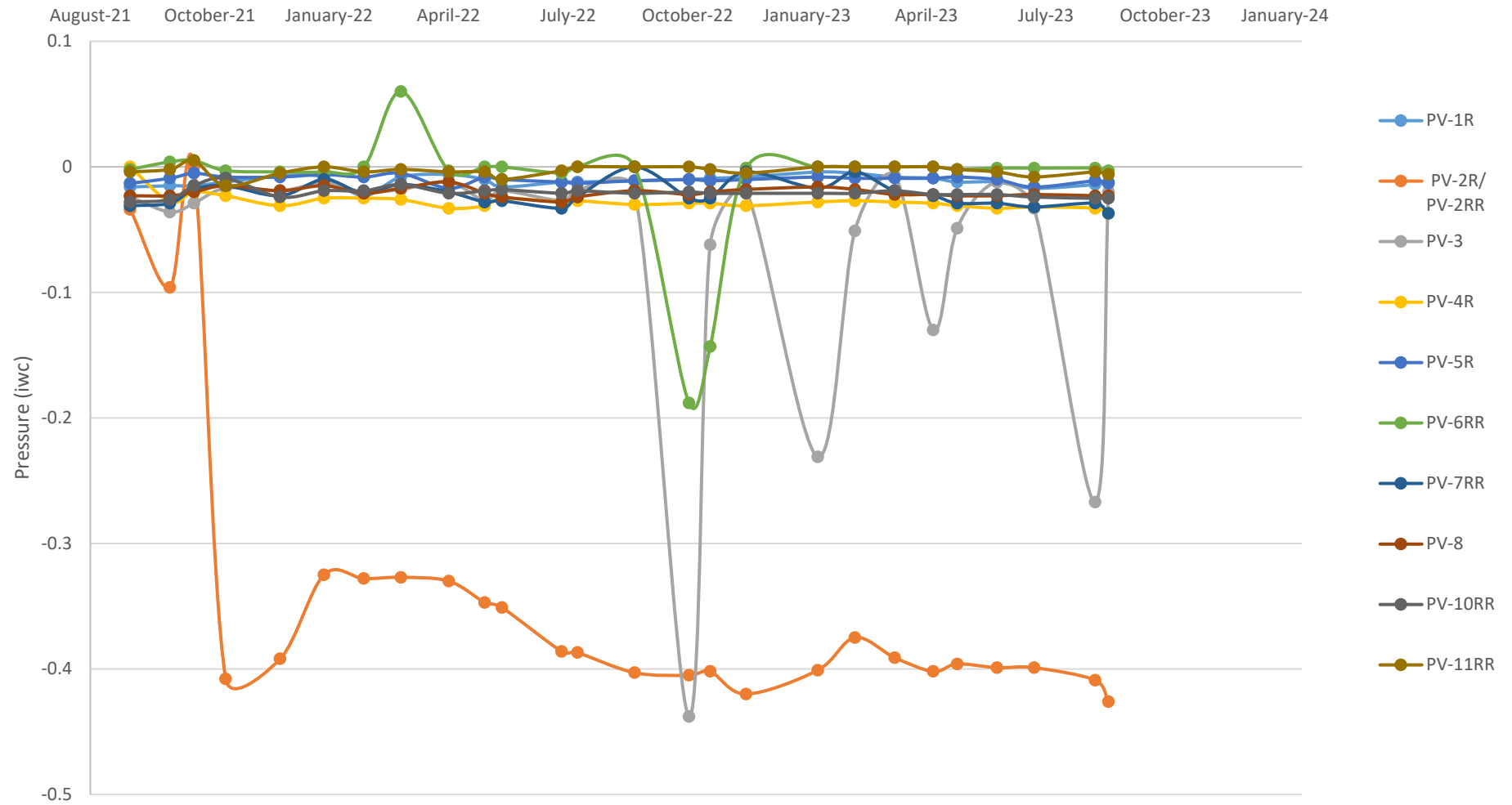
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Airflow Velocity



Differential Pressure



Note:
Negative pressure indicates lower pressure below the slab than above.

Tables

Table 1. August 2021–December 2023 SSDS Airflow Velocity Monitoring Data

Monitoring Date	Airflow Velocity (ft/min)					
	V-1	V-2	V-3	V-4	V-5	V-6
8/31/2021	2,283	764	904	878	925	1,064
9/30/2021	2,576	1032	1435	1021	1057	865
10/18/2021	2,387	967	1,283	1,005	1,374	2,015
11/11/2021	2,251	1,250	1,219	1,208	1,281	2,041
12/22/2021	2,290	1,025	1,386	796	1,250	1,985
1/24/2022	2,226	895	1,321	796	898	1,847
2/23/2022	2,265	1,033	1,255	1,406	1,175	1,923
3/23/2022	2,295	1,041	1,155	1,110	1,083	1,892
4/28/2022	2,160	1,189	1,423	797	1,326	1,745
5/25/2022	2,334	1,011	1,079	1,121	1,192	1,754
6/7/2022	2,258	1,237	1,147	955	1,099	1,527
7/22/2022	2,310	986	1,235	1,259	1,183	1,092
8/3/2022	2,478	1,292	1,172	1,024	1,203	1,427
9/15/2022	2,473	1,029	1,458	1,019	1,347	1,744
10/26/2022	2,443	1,172	1,345	1,237	1,351	1,856
11/11/2022	2,023	1,232	1,442	1,658	1,889	2,182
12/8/2022	2,374	1,197	1,431	1,301	1,494	1,771
2/3/2023	2,031	1,328	1,100	1,925	1,195	1,416
2/28/2023	2,118	1,299	1,315	2,188	1,383	2,064
3/30/2023	2,277	1,505	1,253	2,135	1,588	1,813
4/28/2023	2,268	1,260	1,413	2,009	1,425	2,008
5/16/2023	2,253	1,209	1,368	1,944	1,399	1,829
6/15/2023	2,335	1,174	1,341	2,011	1,351	1,883
7/13/2023	2,355	1,186	1,228	2,151	1,411	1,968
8/28/2023	2,317	1,285	1,283	2,136	1,413	2,002
9/7/2023	2,557	1,105	1,339	1,737	1,186	1,632
10/10/2023	2,223	1,183	1,256	1,773	1,367	1,631
11/14/2023	2,478	1,162	1,505	2,094	1,471	1,693
12/27/2023	2,344	1,516	1,419	1,951	1,313	1,676

Notes:

SSDS = sub-slab depressurization system

Table 2. August 2021–December 2023 SSDS Differential Pressure Data

Monitoring Date	Differential Pressure (inches of water column)									
	PV-1R	PV-2R/ PV-2RR	PV-3	PV-4R	PV-5R	PV-6RR	PV-7RR	PV-8	PV-10RR	PV-11RR
8/31/2021	-0.016	-0.034	-0.024	--	-0.013	-0.002	-0.031	-0.023	-0.028	-0.004
9/30/2021	-0.015	-0.096	-0.036	-0.028	-0.009	0.004	-0.029	-0.023	-0.026	-0.002
10/18/2021	-0.015	--	-0.029	-0.020	-0.005	0.005	-0.018	-0.020	-0.015	0.005
11/11/2021	-0.012	-0.408	-0.017	-0.023	-0.008	-0.003	-0.015	-0.015	-0.009	-0.015
12/22/2021	-0.007	-0.392	-0.019	-0.031	-0.008	-0.004	-0.023	-0.019	-0.024	-0.005
1/24/2022	-0.008	-0.325	-0.013	-0.025	-0.006	-0.004	-0.010	-0.015	-0.019	0.000
2/23/2022	-0.023	-0.328	-0.020	-0.025	-0.008	0.000	-0.021	-0.021	-0.019	-0.004
3/23/2022	-0.008	-0.327	-0.018	-0.026	-0.005	0.060	-0.014	-0.017	-0.014	-0.002
4/28/2022	-0.006	-0.330	-0.012	-0.033	-0.017	-0.003	-0.020	-0.012	-0.021	-0.004
5/25/2022	-0.010	-0.347	-0.027	-0.031	-0.008	0.000	-0.028	-0.021	-0.019	-0.004
6/7/2022	-0.016	-0.351	-0.019	-0.025	-0.010	0.000	-0.027	-0.024	-0.018	-0.010
7/22/2022	-0.012	-0.386	-0.027	-0.028	-0.012	-0.005	-0.033	-0.028	-0.021	-0.003
8/3/2022	-0.012	-0.387	-0.019	-0.027	-0.013	0.000	-0.024	-0.024	-0.019	0.000
9/15/2022	-0.011	-0.403	-0.019	-0.030	-0.011	0.000	--	-0.019	-0.021	0.000
10/26/2022	-0.010	-0.405	-0.438	-0.029	-0.010	-0.188	-0.025	-0.022	-0.020	0.000
11/11/2022	-0.009	-0.402	-0.062	-0.029	-0.011	-0.143	-0.025	-0.020	-0.021	-0.002
12/8/2022	-0.008	-0.420	-0.019	-0.031	-0.010	-0.001	-0.004	-0.018	-0.021	-0.005
1/31/2023	-0.004	-0.401	-0.231	-0.028	-0.008	0.005	-0.017	-0.016	-0.021	0.007
2/28/2023	-0.005	-0.375	-0.051	-0.027	-0.009	0.007	-0.004	-0.018	-0.021	0.006
3/30/2023	-0.008	-0.391	-0.007	-0.028	-0.009	0.004	-0.019	-0.022	-0.019	0.007
4/28/2023	-0.009	-0.402	-0.130	-0.029	-0.009	0.000	-0.023	-0.022	-0.022	0.005
5/16/2023	-0.012	-0.396	-0.049	-0.031	-0.008	-0.002	-0.029	-0.023	-0.022	-0.002
6/15/2023	-0.012	-0.399	-0.012	-0.033	-0.010	-0.001	-0.029	-0.023	-0.022	-0.004
7/13/2023	-0.017	-0.399	-0.033	-0.032	-0.016	-0.001	-0.032	-0.022	-0.024	-0.008
8/28/2023	-0.014	-0.409	-0.267	-0.033	-0.011	-0.001	-0.029	-0.023	-0.025	-0.004
9/7/2023	-0.012	-0.426	-0.020	-0.037	-0.013	-0.003	-0.037	-0.023	-0.025	-0.006
10/10/2023	-0.010	-0.455	-0.024	-0.033	-0.008	-0.001	-0.027	-0.026	-0.025	-0.001
11/14/2023	-0.009	-0.499	-0.016	-0.028	-0.005	-0.001	-0.027	-0.028	-0.027	0.003
12/27/2023	-0.008	-0.462	-0.015	-0.027	-0.007	0.000	-0.023	-0.018	-0.023	-0.488

Notes:

-- = data not available, monitoring point was not accessible

SSDS = sub-slab depressurization system

Table 3. August 2021–December 2023 SSDS Gauge Monitoring Data

Monitoring Date	Pressure (inches of water column)		
	Gauge PI102 (before SSDS lead drum)	Gauge PI103 (after SSDS lead drum)	Gauge PI104 (after SSDS lag drum)
8/31/2021	44	30	18
9/30/2021	44	30	18
10/18/2021	44	30	18
11/11/2021	45	30	19
12/22/2021	44	30	18
1/24/2022	44	33	18
2/23/2022	44	33	19
3/23/2022	45	33	19
4/28/2022	44	32	18
5/25/2022	45	33	19
6/7/2022	44	32	19
7/22/2022	44	32	19
8/3/2022	44	32	19
9/15/2022	45	33	18
10/26/2022	45	32	19
11/11/2022	45	33	18
12/8/2022	46	33	19
1/31/2023	43	32	19
2/28/2023	44	32	18
3/30/2023	45	33	19
4/28/2023	46	33	19
5/16/2023	44	33	18
6/15/2023	45	32	19
7/13/2023	44	32	19
8/28/2023	45	33	19
9/7/2023	44	32	18
10/10/2023	46	32	17
11/14/2023	46	32	18
12/27/2023	43	31	19

Notes:

SSDS = sub-slab depressurization system

Table 4. Spring 2022 Air Filtration Unit Inventory

Floor	Area Type	Area	Number of Units	Unit Type (AirPura: C600/R600; Austin)	Notes
1st	Commercial	Vintage Twin (former Designers Collab.)	2	Austin (2 units)	Two new Austin units placed in commercial space on 3/14/2022.
1st	Hallway	Bathroom	1	Austin	
1st	Hallway	Rear hallway	1	R600	
1st	Vacant/Storage	Rear of Building near V-5	5	R600 (3 units), C600 (2 units)	
1st	Vacant/Storage	Rear of Building near V-5	3	Austin (3 units)	
2nd	Hallway	Center hallway	4	Austin, R600 (3 units)	
2nd	Hallway	Hallway near elevator shaft	1	R600	
2nd	Residential	Apartment C-2	2	R600 (2 units)	Did not provide access to units for maintenance in spring 2022.
2nd	Residential	Apartment C-3	2	R600, C600	
2nd	Residential	Apartment C-4	2	R600, C600	
2nd	Residential	Apartment C-5	2	Austin	Two new Austin units requested in February 2022 due to noise issues with AirPura units.
2nd	Residential	Apartment C-6	2	R600 (2 units)	
2nd	Residential	Apartment C-7	2	R600 (2 units)	Did not provide access to units for maintenance in spring 2022. Tenant confirmed air filtration units in apartment during air sampling.
2nd	Residential	Apartment C-8	2	R600 (2 units)	
2nd	Residential	Apartment C-9/C-10	3	R600 (2 units), C600	
2nd	Residential	Apartment C-11	1	R600	Did not provide access to units for maintenance in spring 2022.

Notes:

NA = not applicable

Table 5. February 2024 Air Filtration Unit Inventory

Floor	Area Type	Area	Number of Units	Unit Type (AirPura: C600/R600; Austin)	Notes
1st	Commercial	Vacant Commercial Space	3	R600 (2 units), C600	
1st	Hallway	Rear hallway	1	R600	
2nd	Hallway	Center hallway	3	Austin, R600 (2 units)	Integral to remove one unit from center hallway and move to apartment needing an additional unit.
2nd	Hallway	Hallway near elevator shaft	1	R600	
2nd	Residential	Apartment C-2	2	R600 (2 units)	
2nd	Residential	Apartment C-3	2	Austin, R600	
2nd	Residential	Apartment C-4	2	R600, C600	
2nd	Residential	Apartment C-5	1	Austin	Resident indicated they have one unit, building management notified to provide additional unit.
2nd	Residential	Apartment C-6	0		Resident indicated they no longer have any units, building management notified to provide two units.
2nd	Residential	Apartment C-7	1	R600	Resident indicated they have one unit, building management notified to provide additional unit.
2nd	Residential	Apartment C-8	2	R600 (2 units)	
2nd	Residential	Apartment C-9/C-10	4	R600 (2 units), C600, Austin	
2nd	Residential	Apartment C-11	1	R600	Did not provide access to units for maintenance in spring 2022.

Notes:

Except where noted above, units listed were maintained on February 29, 2024.

Table 6. March 2023 Air Sample Results

		Location ID:	OA23-01	OA23-02	IA23-01	IA23-02	IA23-03	IA23-04	IA23-05	IA23-06	IA23-09
		Sample Location:	Sidewalk	Sidewalk	Vacant	SSDS Room	Rear Hallway	Center Hallway	Vacant	Cellar	Rear Hallway
		Floor:	Outside	Outside	1st Floor	1st Floor	1st Floor	1st Floor	1st Floor	Cellar	2nd Floor
		Collection Period:	8-hr	24-hr	8-hr	8-hr	8-hr	8-hr	8-hr	8-hr	8-hr
		Sample Date:	3/29/2023	3/29/2023	3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
		Lab Sample ID:	L2316803-07	L2316803-08	L2316803-21	L2316803-02	L2316803-03	L2316803-04	L2316803-05	L2316803-06	L2316803-09
Parameter	Analysis	NYSDOH AGV	Units	Result	Result	Result	Result	Result	Result	Result	Result
1,1,1-Trichloroethane	TO15-SIM	NS	µg/m ³	0.109 U	0.109 U	0.109 UJ	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U
1,1,2,2-Tetrachloroethane	TO15-LL	NS	µg/m ³	1.37 U	1.37 U	1.37 UJ	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane	TO15-LL	NS	µg/m ³	1.09 U	1.09 U	1.09 UJ	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	TO15-LL	NS	µg/m ³	0.809 U	0.809 U	0.809 UJ	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	TO15-SIM	NS	µg/m ³	0.079 U	0.079 U	0.079 UJ	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
1,2,4-Trichlorobenzene	TO15-LL	NS	µg/m ³	1.48 U	1.48 U	1.48 UJ	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	TO15-LL	NS	µg/m ³	0.983 U	0.983 U	0.983 UJ	1.31	0.983 U	0.983 U	0.983 U	1.02
1,2-Dibromoethane	TO15-LL	NS	µg/m ³	1.54 U	1.54 U	1.54 UJ	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	TO15-LL	NS	µg/m ³	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	TO15-LL	NS	µg/m ³	0.809 U	0.809 U	0.809 UJ	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	TO15-LL	NS	µg/m ³	0.924 U	0.924 U	0.924 UJ	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene	TO15-LL	NS	µg/m ³	0.983 U	0.983 U	0.983 UJ	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene	TO15-LL	NS	µg/m ³	0.442 U	0.442 U	0.442 UJ	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	TO15-LL	NS	µg/m ³	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	TO15-LL	NS	µg/m ³	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	TO15-LL	NS	µg/m ³	0.721 U	0.721 U	0.721 UJ	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	TO15-LL	NS	µg/m ³	0.934 U	0.934 U	0.934 UJ	0.934 U	0.934 U	2	0.934 U	0.934 U
2-Butanone	TO15-LL	NS	µg/m ³	1.47 U	1.47 U	1.47 UJ	1.47 U	1.47 U	1.47 U	1.47 U	1.52
2-Hexanone	TO15-LL	NS	µg/m ³	0.82 U	0.82 U	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
3-Chloropropene	TO15-LL	NS	µg/m ³	0.626 U	0.626 U	0.626 UJ	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
4-Ethyltoluene	TO15-LL	NS	µg/m ³	0.983 U	0.983 U	0.983 UJ	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
4-Methyl-2-pentanone	TO15-LL	NS	µg/m ³	2.05 U	2.05 U	2.05 UJ	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U
Acetone	TO15-LL	NS	µg/m ³	9.67	5.51	6.18 J	16	10.9	9.24	16.5	21.7
Benzene	TO15-LL	NS	µg/m ³	0.642	0.639 U	0.687 J	0.706	0.639 U	0.639 U	0.639 U	0.639 U
Benzyl chloride	TO15-LL	NS	µg/m ³	1.04 U	1.04 U	1.04 UJ	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	TO15-LL	NS	µg/m ³	1.34 U	1.34 U	1.34 UJ	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	TO15-LL	NS	µg/m ³	2.07 U	2.07 U	2.07 UJ	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	TO15-LL	NS	µg/m ³	0.777 U	0.777 U	0.777 UJ	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon disulfide	TO15-LL	NS	µg/m ³	0.623 U	0.623 U	0.623 UJ	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U
Carbon tetrachloride	TO15-SIM	NS	µg/m ³	0.598 J	0.635 J	0.566 J	0.635 J	0.566 J	0.604 J	0.61 J	0.604 J
Chlorobenzene	TO15-LL	NS	µg/m ³	0.921 U	0.921 U	0.921 UJ	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	TO15-LL	NS	µg/m ³	0.528 U	0.528 U	0.528 UJ	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	TO15-LL	NS	µg/m ³	0.977 U	0.977 U	0.977 UJ	0.977 U	0.977 U	0.977 U	13.5	1.13
Chloromethane	TO15-LL	NS	µg/m ³	1.02	0.995	1.12 J	1.12	0.985	1.03	1.08	1.16
cis-1,2-Dichloroethene	TO15-SIM	NS	µg/m ³	0.079 U	0.079 U	0.079 UJ	0.079 U	0.079 U	0.111	0.868	0.079 U
cis-1,3-Dichloropropene	TO15-LL	NS	µg/m ³	0.908 U	0.908 U	0.908 UJ	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	TO15-LL	NS	µg/m ³	0.688 U	0.688 U	0.688 UJ	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U

Table 6. March 2023 Air Sample Results

		Location ID:	OA23-01	OA23-02	IA23-01	IA23-02	IA23-03	IA23-04	IA23-05	IA23-06	IA23-09
		Sample Location:	Sidewalk	Sidewalk	Vacant	SSDS Room	Rear Hallway	Center Hallway	Vacant	Cellar	Rear Hallway
		Floor:	Outside	Outside	1st Floor	1st Floor	1st Floor	1st Floor	1st Floor	Cellar	2nd Floor
		Collection Period:	8-hr	24-hr	8-hr	8-hr	8-hr	8-hr	8-hr	8-hr	8-hr
		Sample Date:	3/29/2023	3/29/2023	3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
		Lab Sample ID:	L2316803-07	L2316803-08	L2316803-21	L2316803-02	L2316803-03	L2316803-04	L2316803-05	L2316803-06	L2316803-09
Parameter	Analysis	NYSDOH AGV	Units	Result	Result	Result	Result	Result	Result	Result	Result
Dibromochloromethane	TO15-LL	NS	µg/m ³	1.7 U	1.7 U	1.7 UJ	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	TO15-LL	NS	µg/m ³	2.51	2.51	2.49 J	2.49	2.44	2.51	2.51	2.53
Ethanol	TO15-LL	NS	µg/m ³	18.2	9.76	15 J	93.8	44.5	11.9	84	9.97
Ethyl Acetate	TO15-LL	NS	µg/m ³	1.8 U	1.8 U	11.9 J	3.17	1.8 U	1.8 U	1.8 U	1.8 U
Ethylbenzene	TO15-LL	NS	µg/m ³	0.869 U	0.869 U	0.869 UJ	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U
Freon-113	TO15-LL	NS	µg/m ³	1.53 U	1.53 U	1.53 UJ	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
Freon-114	TO15-LL	NS	µg/m ³	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Heptane	TO15-LL	NS	µg/m ³	0.82 U	0.82 U	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	TO15-SIM	NS	µg/m ³	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ
Isopropanol	TO15-LL	NS	µg/m ³	1.68	1.23 U	2.43 J	11.1	5.01	1.87	11.1	1.35
Methyl tert butyl ether	TO15-LL	NS	µg/m ³	0.721 U	0.721 U	0.721 UJ	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
Methylene chloride	TO15-LL	60	µg/m ³	1.92	1.74 U	1.74 UJ	6.18	2.53	1.74 U	1.74 U	1.74 U
n-Hexane	TO15-LL	NS	µg/m ³	0.705 U	0.705 U	0.705 UJ	1	0.705 U	0.705 U	0.705 U	0.705 U
o-Xylene	TO15-LL	NS	µg/m ³	0.869 U	0.869 U	0.869 UJ	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U
p/m-Xylene	TO15-LL	NS	µg/m ³	1.74 U	1.74 U	1.74 UJ	1.9	1.74 U	1.74 U	1.74 U	1.74 U
Styrene	TO15-LL	NS	µg/m ³	0.852 U	0.852 U	0.852 UJ	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U
Tertiary butyl Alcohol	TO15-LL	NS	µg/m ³	1.52 U	1.52 U	1.52 UJ	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U
Tetrachloroethene	TO15-SIM	30	µg/m ³	2.07	0.203	4.53 J	2.38	1.94	1.27	5.15	37.2
Tetrahydrofuran	TO15-LL	NS	µg/m ³	1.47 U	1.47 U	1.47 UJ	15.6	1.47 U	1.47 U	1.47 U	1.47 U
Toluene	TO15-LL	NS	µg/m ³	4.26	1.89	1.56 J	4.26	3.05	2.53	2.33	3.11
trans-1,2-Dichloroethene	TO15-LL	NS	µg/m ³	0.793 U	0.793 U	0.793 UJ	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,3-Dichloropropene	TO15-LL	NS	µg/m ³	0.908 U	0.908 U	0.908 UJ	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethene	TO15-SIM	2	µg/m ³	0.107 U	0.107 U	0.107 UJ	0.107 U	0.107 U	0.107 U	0.333	0.93
Trichlorofluoromethane	TO15-LL	NS	µg/m ³	1.32	1.32	1.26 J	1.35	1.29	1.31	1.32	1.29
Vinyl bromide	TO15-LL	NS	µg/m ³	0.874 U	0.874 U	0.874 UJ	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	TO15-SIM	NS	µg/m ³	0.051 U	0.051 U	0.051 UJ	0.051 U	0.051 U	0.051 U	0.051 U	0.077

Notes:
NS = no standard
NYSDOH AGV = New York State Department of Health air guideline value
J = Estimated result
U = Parameter analyzed but not detected, laboratory reporting limit shown

Results exceeding NYSDOH AGVs are in **bold**.

Vinyl chloride, 1,1,1-trichloroethene, 1,1-dichloroethene, cis-1,2-dichloroethene, carbon tetrachloride, tetrachloroethene, and trichloroethene analyzed by laboratory method TO-15 SIM; all other parameters analyzed by TO-15.

Table 6. March 2023 Air Sample Results

		Location ID:	IA23-10	IA23-11	IA23-12	IA23-13	IA23-14	IA23-15	IA23-16	IA23-17	IA23-18	IA23-19
		Sample Location:	Center Hallway	Apt. C-2	Apt. C-3	Apt. C-4	Apt. C-5	Apt. C-6	Apt. C-7	Apt. C-8	Apt. C-9	Apt. C-11
		Floor:	2nd Floor	2nd Floor	2nd Floor	2nd Floor	2nd Floor	2nd Floor	2nd Floor	2nd Floor	2nd Floor	2nd Floor
		Collection Period:	8-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr
		Sample Date:	3/29/2023	3/30/2023	3/30/2023	3/30/2023	3/30/2023	3/30/2023	3/30/2023	3/30/2023	3/30/2023	3/30/2023
		Lab Sample ID:	L2316803-11	L2316803-12	L2316803-13	L2316803-14	L2316803-15	L2316803-16	L2316803-17	L2316803-18	L2316803-19	L2316803-20
Parameter	Analysis	NYSDOH AGV	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,1,1-Trichloroethane	TO15-SIM	NS	µg/m ³	0.109 U	0.109 UJ	0.109 UJ	0.109 UJ	0.109 U	0.109 UJ	0.109 U	0.109 U	0.109 U
1,1,2,2-Tetrachloroethane	TO15-LL	NS	µg/m ³	1.37 U	1.37 UJ	1.37 UJ	1.37 UJ	1.37 U	1.37 UJ	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane	TO15-LL	NS	µg/m ³	1.09 U	1.09 UJ	1.09 UJ	1.09 UJ	1.09 U	1.09 UJ	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	TO15-LL	NS	µg/m ³	0.809 U	0.809 UJ	0.809 UJ	0.809 UJ	0.809 U	0.809 UJ	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	TO15-SIM	NS	µg/m ³	0.079 U	0.079 UJ	0.079 UJ	0.079 UJ	0.079 U	0.079 UJ	0.079 U	0.079 U	0.079 U
1,2,4-Trichlorobenzene	TO15-LL	NS	µg/m ³	1.48 U	1.48 UJ	1.48 UJ	1.48 UJ	1.48 U	1.48 UJ	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	TO15-LL	NS	µg/m ³	0.983 U	1.78 J	1.8 J	3.27 J	3.94	2.48 J	1.45	1.18	2.89
1,2-Dibromoethane	TO15-LL	NS	µg/m ³	1.54 U	1.54 UJ	1.54 UJ	1.54 UJ	1.54 U	1.54 UJ	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	TO15-LL	NS	µg/m ³	1.2 U	1.2 UJ	1.2 UJ	1.2 UJ	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	TO15-LL	NS	µg/m ³	0.809 U	0.809 UJ	0.809 UJ	0.809 UJ	0.809 U	0.809 UJ	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	TO15-LL	NS	µg/m ³	0.924 U	0.924 UJ	0.924 UJ	0.924 UJ	0.924 U	0.924 UJ	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene	TO15-LL	NS	µg/m ³	0.983 U	0.983 UJ	0.983 UJ	1.32 J	1.64	1.11 J	0.983 U	0.983 U	1.08
1,3-Butadiene	TO15-LL	NS	µg/m ³	0.442 U	0.442 UJ	0.442 UJ	0.442 UJ	0.442 U	0.442 UJ	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	TO15-LL	NS	µg/m ³	1.2 U	1.2 UJ	1.2 UJ	1.2 UJ	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	TO15-LL	NS	µg/m ³	1.2 U	1.2 UJ	1.2 UJ	1.2 UJ	1.2 U	1.2 UJ	1.2 U	1.2 U	1.41
1,4-Dioxane	TO15-LL	NS	µg/m ³	0.721 U	0.721 UJ	0.721 UJ	0.721 UJ	0.721 U	0.721 UJ	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	TO15-LL	NS	µg/m ³	0.934 U	0.934 UJ	0.934 UJ	0.934 UJ	0.934 U	0.934 UJ	0.934 U	0.934 U	0.934 U
2-Butanone	TO15-LL	NS	µg/m ³	2.13	2.17 J	1.82 J	1.54 J	2.04	2.14 J	1.7	6.31	1.8
2-Hexanone	TO15-LL	NS	µg/m ³	0.82 U	0.82 UJ	0.82 UJ	0.82 UJ	0.82 U	0.82 UJ	0.82 U	0.82 U	0.82 U
3-Chloropropene	TO15-LL	NS	µg/m ³	0.626 U	0.626 UJ	0.626 UJ	0.626 UJ	0.626 U	0.626 UJ	0.626 U	0.626 U	0.626 U
4-Ethyltoluene	TO15-LL	NS	µg/m ³	0.983 U	0.983 UJ	0.983 UJ	0.983 UJ	0.983 U	0.983 UJ	0.983 U	0.983 U	0.983 U
4-Methyl-2-pentanone	TO15-LL	NS	µg/m ³	2.05 U	2.05 UJ	2.05 UJ	2.05 UJ	2.05 U	2.05 UJ	2.05 U	2.05 U	2.05 U
Acetone	TO15-LL	NS	µg/m ³	53.4	91.7 J	41.6 J	37.1 J	44.7	43.7 J	36.3	125	53
Benzene	TO15-LL	NS	µg/m ³	0.639 U	0.639 UJ	0.783 J	0.639 UJ	0.639 U	0.965 J	0.639 U	0.639 U	0.639 U
Benzyl chloride	TO15-LL	NS	µg/m ³	1.04 U	1.04 UJ	1.04 UJ	1.04 UJ	1.04 U	1.04 UJ	1.04 U	1.04 U	1.04 U
Bromodichloromethane	TO15-LL	NS	µg/m ³	1.34 U	1.34 UJ	1.34 UJ	1.34 UJ	1.34 U	1.34 UJ	1.34 U	1.34 U	1.34 U
Bromoform	TO15-LL	NS	µg/m ³	2.07 U	2.07 UJ	2.07 UJ	2.07 UJ	2.07 U	2.07 UJ	2.07 U	2.07 U	2.07 U
Bromomethane	TO15-LL	NS	µg/m ³	0.777 U	0.777 UJ	0.777 UJ	0.777 UJ	0.777 U	0.777 UJ	0.777 U	0.777 U	0.777 U
Carbon disulfide	TO15-LL	NS	µg/m ³	0.623 U	0.623 UJ	0.623 UJ	0.623 UJ	0.623 U	0.623 UJ	0.623 U	0.623 U	0.623 U
Carbon tetrachloride	TO15-SIM	NS	µg/m ³	0.598 J	0.862 J	1.62 J	0.811 J	0.673 J	0.648 J	0.61 J	0.654 J	0.591 J
Chlorobenzene	TO15-LL	NS	µg/m ³	0.921 U	0.921 UJ	0.921 UJ	0.921 UJ	0.921 U	0.921 UJ	0.921 U	0.921 U	0.921 U
Chloroethane	TO15-LL	NS	µg/m ³	0.528 U	0.528 UJ	0.528 UJ	0.528 UJ	0.528 U	0.528 UJ	0.528 U	0.528 U	0.528 U
Chloroform	TO15-LL	NS	µg/m ³	1.82	3.11 J	2.5 J	2.42 J	3.57	1.93 J	1.14	2.67	1.37
Chloromethane	TO15-LL	NS	µg/m ³	1.23	1.91 J	1.37 J	1.23 J	1.22	1.62 J	1.11	1.13	1.15
cis-1,2-Dichloroethene	TO15-SIM	NS	µg/m ³	0.079 U	0.206 J	0.135 J	0.111 J	0.079	0.079 UJ	0.079 U	0.079 U	0.079 U
cis-1,3-Dichloropropene	TO15-LL	NS	µg/m ³	0.908 U	0.908 UJ	0.908 UJ	0.908 UJ	0.908 U	0.908 UJ	0.908 U	0.908 U	0.908 U
Cyclohexane	TO15-LL	NS	µg/m ³	0.688 U	0.688 UJ	0.688 UJ	0.688 UJ	0.688 U	0.688 UJ	0.688 U	0.688 U	0.688 U

Table 6. March 2023 Air Sample Results

		Location ID:	IA23-10	IA23-11	IA23-12	IA23-13	IA23-14	IA23-15	IA23-16	IA23-17	IA23-18	IA23-19
		Sample Location:	Center Hallway	Apt. C-2	Apt. C-3	Apt. C-4	Apt. C-5	Apt. C-6	Apt. C-7	Apt. C-8	Apt. C-9	Apt. C-11
		Floor:	2nd Floor	2nd Floor	2nd Floor	2nd Floor	2nd Floor	2nd Floor	2nd Floor	2nd Floor	2nd Floor	2nd Floor
		Collection Period:	8-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr
		Sample Date:	3/29/2023	3/30/2023	3/30/2023	3/30/2023	3/30/2023	3/30/2023	3/30/2023	3/30/2023	3/30/2023	3/30/2023
		Lab Sample ID:	L2316803-11	L2316803-12	L2316803-13	L2316803-14	L2316803-15	L2316803-16	L2316803-17	L2316803-18	L2316803-19	L2316803-20
Parameter	Analysis	NYSDOH AGV	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result
Dibromochloromethane	TO15-LL	NS	µg/m ³	1.7 U	1.7 UJ	1.7 UJ	1.7 UJ	1.7 U	1.7 UJ	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	TO15-LL	NS	µg/m ³	2.53	2.59 J	2.63 J	2.63 J	2.5	2.51 J	2.52	2.55	2.47
Ethanol	TO15-LL	NS	µg/m ³	226	364 J	360 J	401 J	177	175 J	207	505	182
Ethyl Acetate	TO15-LL	NS	µg/m ³	19.7	2.76 J	2.96 J	2.98 J	2.26	3.86 J	10.5	55.5	2.71
Ethylbenzene	TO15-LL	NS	µg/m ³	1.4	0.869 UJ	1.02 J	0.869 UJ	0.869 U	0.869 UJ	0.869 U	0.869 U	0.869 U
Freon-113	TO15-LL	NS	µg/m ³	1.53 U	1.53 UJ	1.53 UJ	1.53 UJ	1.53 U	1.53 UJ	1.53 U	1.53 U	1.53 U
Freon-114	TO15-LL	NS	µg/m ³	1.4 U	1.4 UJ	1.4 UJ	1.4 UJ	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U
Heptane	TO15-LL	NS	µg/m ³	0.82 U	1.12 J	0.82 UJ	0.82 UJ	1.14	0.877 J	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	TO15-SIM	NS	µg/m ³	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ
Isopropanol	TO15-LL	NS	µg/m ³	45.2	10.1 J	20.9 J	21.9 J	43.8	20.9 J	25.3	77.7	14.2
Methyl tert butyl ether	TO15-LL	NS	µg/m ³	0.721 U	0.721 UJ	0.721 UJ	0.721 UJ	0.721 U	0.721 UJ	0.721 U	0.721 U	0.721 U
Methylene chloride	TO15-LL	60	µg/m ³	1.74 U	1.74 UJ	1.74 UJ	1.74 UJ	1.74 U	1.74 UJ	1.74 U	1.74 U	1.74 U
n-Hexane	TO15-LL	NS	µg/m ³	0.705 U	0.705 UJ	0.705 UJ	0.846 J	0.705 U	0.705 UJ	0.705 U	0.705 U	0.705 U
o-Xylene	TO15-LL	NS	µg/m ³	0.869 U	0.869 UJ	0.869 UJ	0.869 UJ	1.39	1.36 J	0.869 U	0.869 U	0.869 U
p/m-Xylene	TO15-LL	NS	µg/m ³	2.63	1.74 UJ	1.8 J	1.74 UJ	2.41	5.21 J	1.74 U	1.74 U	1.74 U
Styrene	TO15-LL	NS	µg/m ³	0.852 U	0.852 UJ	0.852 UJ	0.852 UJ	0.852 U	0.852 UJ	0.852 U	0.852 U	0.852 U
Tertiary butyl Alcohol	TO15-LL	NS	µg/m ³	1.52 U	1.52 UJ	1.52 UJ	1.52 UJ	1.52 U	1.52 UJ	1.52 U	1.52 U	1.52 U
Tetrachloroethene	TO15-SIM	30	µg/m ³	3.9	7.12 J	4.6 J	4.65 J	3.68	2.8 J	2.6	2.01	2.92
Tetrahydrofuran	TO15-LL	NS	µg/m ³	1.57	1.47 UJ	3.27 J	5.34 J	1.47 U	1.47 UJ	1.47 U	1.47 U	1.47 U
Toluene	TO15-LL	NS	µg/m ³	2.09	3.13 J	3.17 J	2.34 J	3.4	2.8 J	1.61	1.72	2.04
trans-1,2-Dichloroethene	TO15-LL	NS	µg/m ³	0.793 U	0.793 UJ	0.793 UJ	0.793 UJ	0.793 U	0.793 UJ	0.793 U	0.793 U	0.793 U
trans-1,3-Dichloropropene	TO15-LL	NS	µg/m ³	0.908 U	0.908 UJ	0.908 UJ	0.908 UJ	0.908 U	0.908 UJ	0.908 U	0.908 U	0.908 U
Trichloroethene	TO15-SIM	2	µg/m ³	0.107 U	0.177 J	0.183 J	0.172 J	0.118	0.107 UJ	0.107 U	0.107 U	0.107 U
Trichlorofluoromethane	TO15-LL	NS	µg/m ³	1.36	1.37 J	1.36 J	1.31 J	1.35	1.31 J	1.34	1.4	1.31
Vinyl bromide	TO15-LL	NS	µg/m ³	0.874 U	0.874 UJ	0.874 UJ	0.874 UJ	0.874 U	0.874 UJ	0.874 U	0.874 U	0.874 U
Vinyl chloride	TO15-SIM	NS	µg/m ³	0.051 U	0.051 UJ	0.179 J	0.069 J	0.051 U	0.051 UJ	0.051 U	0.051 U	0.051 U

Notes:
NS = no standard
NYSDOH AGV = New York State Department of Health air guideline value
J = Estimated result
U = Parameter analyzed but not detected, laboratory reporting limit shown

Results exceeding NYSDOH AGVs are in **bold**.

Vinyl chloride, 1,1,1-trichloroethene, 1,1-dichloroethene, cis-1,2-dichloroethene, carbon tetrachloride, tetrachloroethene, and trichloroethene analyzed by laboratory method TO-15 SIM; all other parameters analyzed by TO-15.

Appendix A

Monthly Monitoring Reports



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto and Keith P. Brodock, P.E. Integral Engineering, P.C.

Date: September 10, 2021

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. 224177

Project No.: PE1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. 224177) for the month of August 2021.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Collected sub-slab depressurization system (SSDS) monitoring measurements at vacuum monitoring points (VMPs) and suction points at 135 Kent Avenue.
2. Reviewed building interim remedial measures (IRMs) with a representative of 135 Kent LLC.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on August 31, 2021. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. The results of the August 31, 2021 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. August 31, 2021 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,283	--
V-2	764	--
V-3	904	--
V-4	878	--
V-5	925	--
V-6	1,064	--
VMPs		
PV-1R	--	-0.016
PV-2R	--	-0.034
PV-3	--	-0.024
PV-4R	--	Inaccessible
PV-5R	--	-0.013
PV-6RR	--	-0.002
PV-7RR	--	-0.031
PV-8	--	-0.023
PV-10RR	--	-0.028
PV-11RR	--	-0.004

The Site plan, included as Figure 1, shows the locations of VMPs labeled as PV-x (permanent vapor wells) and SSDS suction points labeled as V-x (vapor wells). The tenants moving into the former Meg Shops space had blocked off VMP PV-4R with storage boxes and it could not be accessed. The building owner has been notified to make this point accessible before the next monitoring event. The airflow velocity data collected on August 31, 2021 were generally comparable to those collected at the Site since December 2016.

Review Building IRMs with 135 Kent LLC Representative

On August 31, 2021, Integral met with Jay Weitzman, a representative of 135 Kent LLC, for a Site walk to review the building IRMs and monthly monitoring protocols. During the Site walk Mr. Weitzman was shown the SSDS treatment room, SSDS piping, and the locations of accessible VMPs and SSDS suction points. In addition, Mr. Weitzman observed the locations of

air filtration units in the building hallways and accessible commercial spaces. He was also shown the Sensaphone SSDS alarm system telephone connection and indicated the building owner will be working with a utility company to repair or replace the connection.

PLANNED ACTIVITIES FOR THE SEPTEMBER 2021 REPORTING PERIOD

The September 2021 monthly monitoring event has not yet been scheduled. The SSDS system is currently operating. Additional details regarding September 2021 activities will be provided in the next monitoring report, due October 10, 2021.

135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 8/31/21
Time Begin: 11:00
Time End: 17:00
Staff: P. McGuire

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.016
PV-2R	-0.034
PV-3	-0.024
PV-4R	inaccessible
PV-5R	-0.013
PV-6RR	-0.002
PV-7RR	-0.031
PV-8	-0.023
PV-10RR	-0.028
PV-11RR	-0.004

SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	2283	0°
V-2	764	0°
V-3	904	15°
V-4	878	45°
V-5	925	45°
V-6	1,064	0°

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	44	no port	
Before lag drum	Gauge PI103 Sample Port	30	14.3	
After lag drum	Gauge PI104 Sample Port	18	15.6	
Ambient Air			0.0	

Is SSDS blower operating: ☒ Yes ☐ No
Is heat exhaust fan operating: ☒ Yes ☐ No
Is Sensaphone operating: Yes ☒ No
Tampering, vandalism, or damage to
SSDS: Yes ☒ No
Exhaust stack: Yes ☒ No



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto and Keith P. Brodock, P.E. Integral Engineering, P.C.

Date: October 11, 2021

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. 224177

Project No.: PE1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. 224177) for the month of September 2021.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we collected sub-slab depressurization system (SSDS) monitoring measurements at vacuum monitoring points (VMPs) and suction points at 135 Kent Avenue.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on September 30, 2021. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. The results of the September 30, 2021 monitoring

event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. September 30, 2021 135 Kent Avenue SSDS Monitoring Results

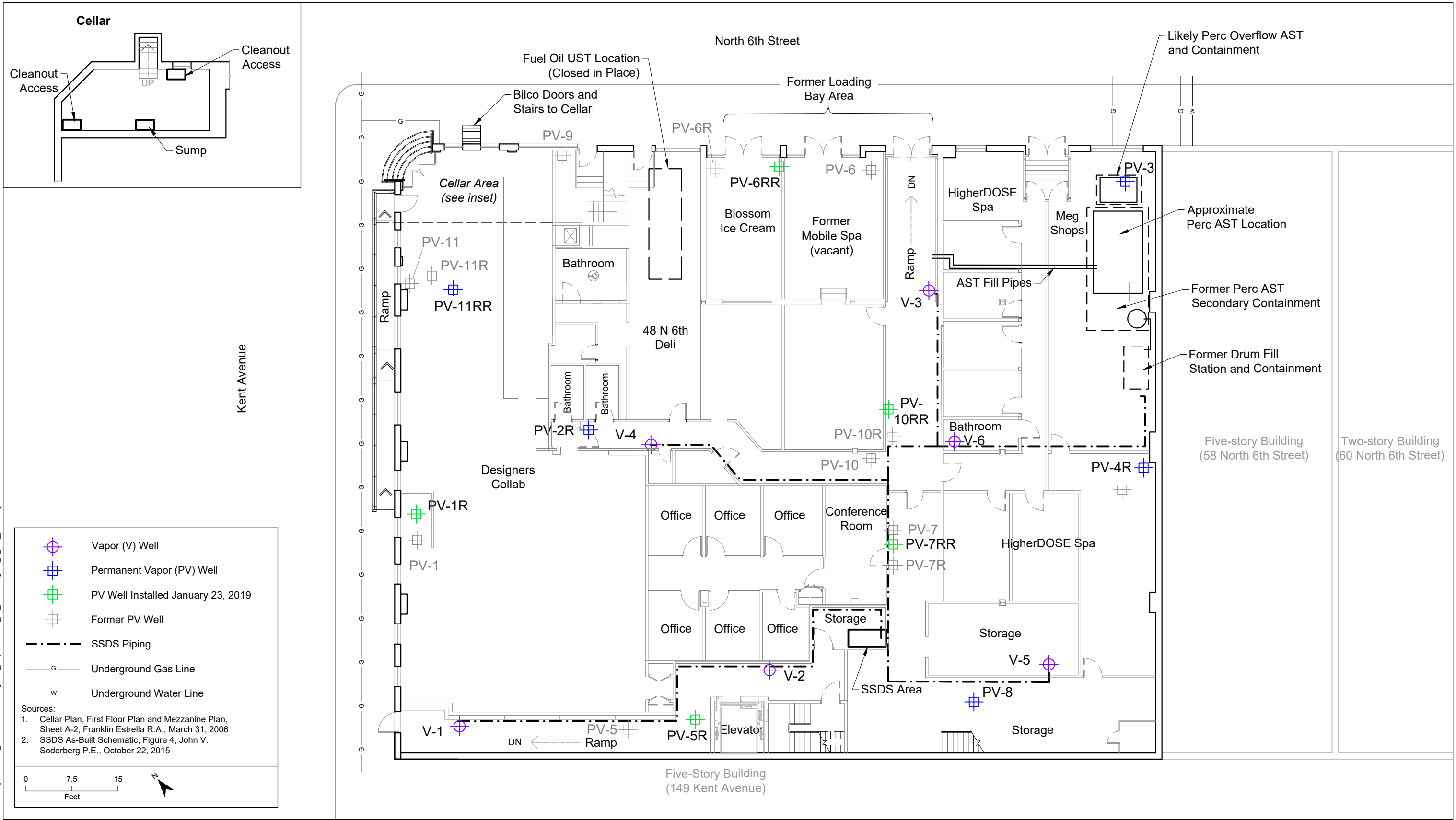
Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,576	--
V-2	1,032	--
V-3	1,435	--
V-4	1,021	--
V-5	1,057	--
V-6	865	--
VMPs		
PV-1R	--	-0.015
PV-2R	--	-0.096
PV-3	--	-0.036
PV-4R	--	-0.028
PV-5R	--	-0.009
PV-6RR	--	0.004
PV-7RR	--	-0.029
PV-8	--	-0.023
PV-10RR	--	-0.026
PV-11RR	--	-0.002

The Site plan, included as Figure 1, shows the locations of VMPs labeled as PV-x (permanent vapor wells) and SSDS suction points labeled as V-x (vapor wells). The airflow velocity data collected on September 30, 2021 were generally comparable to those collected at the Site since December 2016.

PLANNED ACTIVITIES FOR THE SEPTEMBER 2021 REPORTING PERIOD

The October 2021 monthly monitoring event has not yet been scheduled. The SSDS system is currently operating. Additional details regarding October 2021 activities will be provided in the next monitoring report, due November 10, 2021.

N:\GIS\Projects\E051_135Kent\CAD\Progress_Reports\2020_03_March\Figure_1_site_plan.dwg 1/4/2021 11:22:28 AM



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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY



135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 9/30/2021
Time Begin: 11:00
Time End: 17:00
Staff: PM

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.015
PV-2RR	-0.096
PV-3	-0.036
PV-4R	-0.028
PV-5R	-0.009
PV-6RR	0.004
PV-7RR	-0.029
PV-8	-0.023
PV-10RR	-0.026
PV-11RR	-0.002

SSDS Monitoring Point	Flow Velocity (ft/min)
V-1	2,576
V-2	1,032
V-3	1,435
V-4	1,021
V-5	1,057
V-6	865

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	44	no port	
Before lag drum	Gauge PI103 Sample Port	30	2.9	
After lag drum	Gauge PI104 Sample Port	18	4.6	
Ambient Air			0.2	

Is SSDS blower operating:

Yes No

Is heat exhaust fan operating:

Yes No

Is Sensaphone operating:

Yes No

Tampering, vandalism, or damage to

SSDS:

Yes No

Exhaust stack:

Yes No



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto and Keith P. Brodock, P.E. Integral Engineering, P.C.

Date: November 10, 2021

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. 224177

Project No.: PE1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. 224177) for the month of October 2021.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Documented first floor slab conditions following septic line work at 135 Kent Avenue.
2. Collected sub-slab depressurization system (SSDS) monitoring measurements at vacuum monitoring points (VMPs) and suction points at 135 Kent Avenue.

Additional information regarding these actions is provided in the following sections.

Slab Condition Review Following Septic Line Repair

NYSDEC notified Integral and 135 Kent LLC on October 12, 2021 of a tenant concern regarding jackhammering in the building. Michael Weitzman of 135 Kent LLC contacted the building property manager and indicated repairs were being made to the septic line in an existing trench in the first floor center hallway. Mr. Weitzman provided NYSDEC with photographs of slab conditions the following morning, October 13, 2021, showing that the trench in the first floor center hallway had been refilled. The trench was shown to extend from the bathroom behind the 48 N 6th Deli to the ramp hallway adjacent to Higher Dose. Integral reviewed slab conditions on October 18, 2021, and noted VMP PV-2R had been covered when the trench was refilled, and suction point V-4 was functioning. On October 25, 2021, NYSDEC, Mr. Weitzman, and Integral held a conference call to discuss the septic line repair.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on October 18, 2021. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. The results of the October 18, 2021 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. October 18, 2021 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,387	--
V-2	967	--
V-3	1,283	--
V-4	1,005	--
V-5	1,374	--
V-6	2,015	--
VMPs		
PV-1R	--	-0.015
PV-2R	--	Covered
PV-3	--	-0.029
PV-4R	--	-0.020
PV-5R	--	-0.005
PV-6RR	--	+0.005
PV-7RR	--	-0.018
PV-8	--	-0.020
PV-10RR	--	-0.015
PV-11RR	--	+0.005

The Site plan, included as Figure 1, shows the locations of VMPs labeled as PV-x (permanent vapor wells) and SSDS suction points labeled as V-x (vapor wells). PV-2R was covered over during slab repair and was not accessible for monitoring; monitoring point replacement is scheduled for November 11, 2021. Integral noted that the Sensaphone SSDS alarm system telephone connection was restored. Integral replaced the Sensaphone batteries and reprogrammed it to notify Integral should the SSDS stop running.

PLANNED ACTIVITIES FOR THE NOVEMBER 2021 REPORTING PERIOD

The November 2021 monthly monitoring event is scheduled for November 11, 2021. Monitoring point PV-2RR will be installed prior to the monitoring event. The SSDS system is currently operating. Additional details regarding September 2021 activities will be provided in the next monitoring report, due December 10, 2021.

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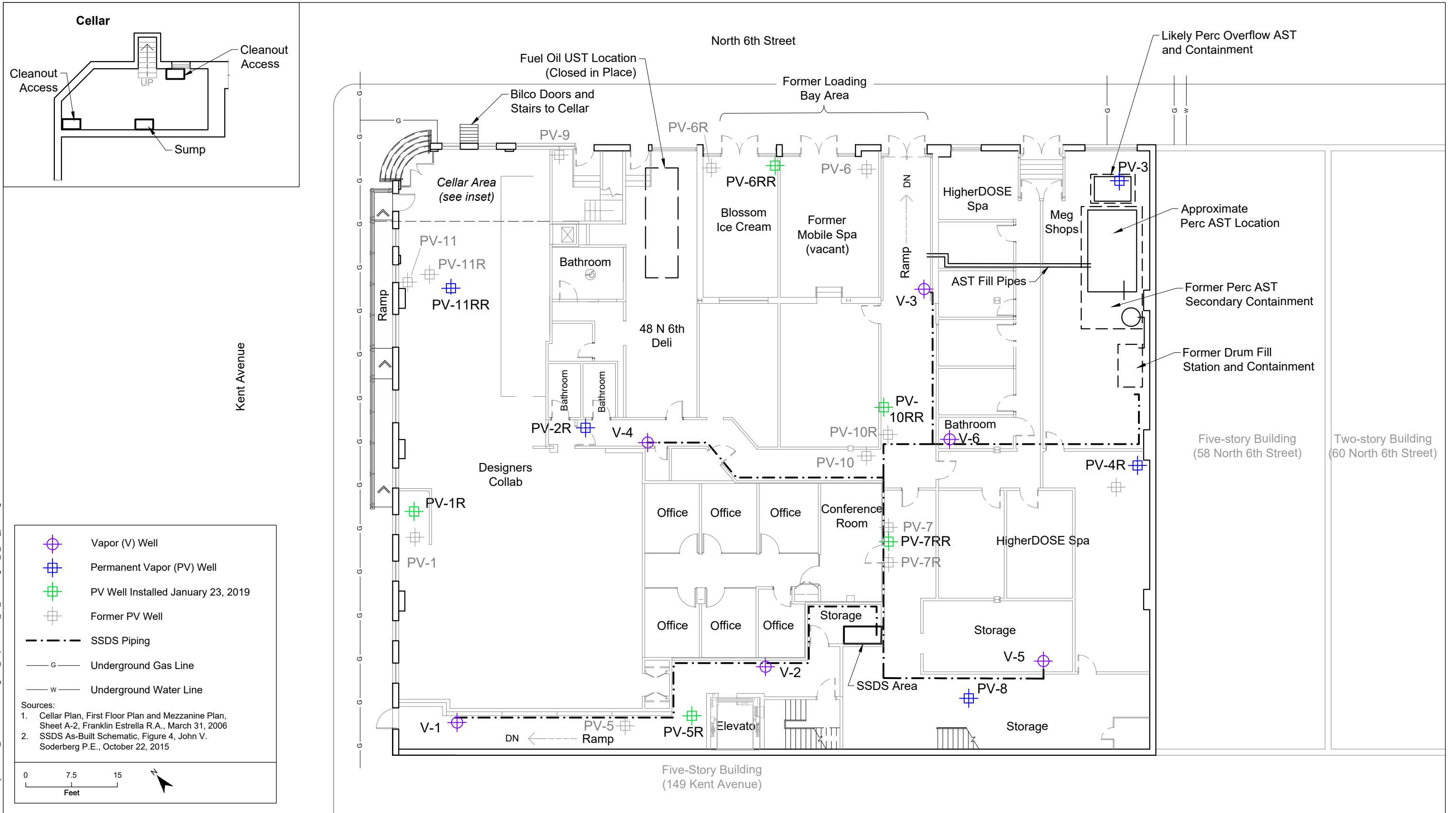


Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY

135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 10/18/21
Time Begin: 11:00
Time End: 1330
Staff: P. McGuire

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.015
PV-2R	Covered with concrete
PV-3	-0.029
PV-4R	-0.020
PV-5R	-0.005
PV-6RR	+0.005
PV-7RR	-0.018
PV-8	-0.020
PV-10RR	-0.015
PV-11RR	+0.005

PV-11R +0.005

SSDS Monitoring Point	Flow Velocity (ft/min)
V-1	2,387
V-2	967
V-3	1,283
V-4	1,005
V-5	1,374
V-6	2,015

Notes: Trench in floor for septic pipe repair from bathroom next to deli to entrance to higher dose, with turn to rear of Mobile Spa & through wall of higher dose bathroom. Ramp next to PV-10RR removed. PV-10RR OK, PV-2R covered with concrete. V-4 is OK.

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	44	no port	
Before lag drum	Gauge PI103 Sample Port	30	3.5	
After lag drum	Gauge PI104 Sample Port	18	3.8	
Ambient Air			0.1	

No carbon air purifiers running in hallway, one stored in bathroom. Two new out of box next to PV-8. One running hallway of higher dose by bathroom.

Is SSDS blower operating:

Yes

No

Is heat exhaust fan operating:

Yes

No

Is Sensaphone operating:

Yes

No

Dial tone on test phone.

Tampering, vandalism, or damage to

SSDS:

Yes

No

Exhaust stack:

Yes

No

New telecom equipment in SSDS cage. lock removed & SSDS cage gate open. Replaced Sensaphone battery & tested.

worker grouting new tile in bathroom for septic pipe repair patch

2 workers & Superintendent/PM replacing sidewalk slabs directly in front of ramp double doors.

Truck: SC

PM claims only doing DOT violation related outside sidewalk repair work, not indoor septic pipe trench work.



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto and Keith P. Brodock, P.E. Integral Engineering, P.C.

Date: December 10, 2021

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. 224177

Project No.: PE1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. 224177) for the month of November 2021.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

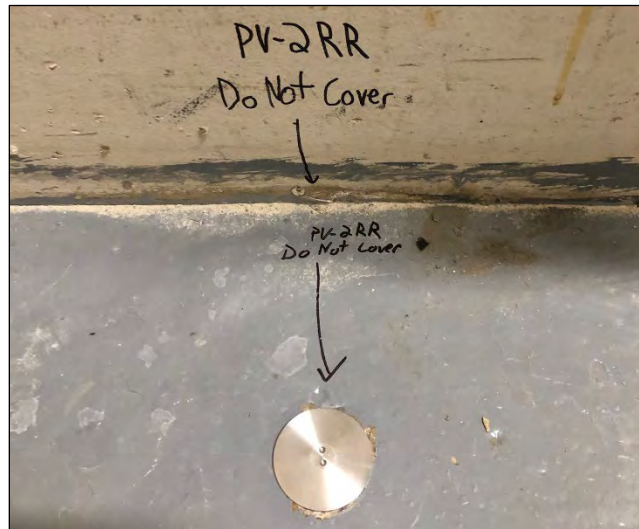
During this reporting period we have completed the following actions:

1. Installed vacuum monitoring point (VMP) PV-2RR to replace VMP PV-2R.
2. Collected sub-slab depressurization system (SSDS) monitoring measurements at VMPs and suction points at 135 Kent Avenue.
3. Coordinated maintenance for the air filtration units and SSDS carbon treatment drums.

Additional information regarding these actions is provided in the following sections.

Vacuum Monitoring Point PV-2RR Installation

The Site plan, included as Figure 1, shows the locations of VMPs labeled as PV-x (permanent vapor wells) and SSDS suction points labeled as V-x (vapor wells). PV-2R was covered over during October 2021 slab repair and was not accessible for monitoring during the October 18, 2021 monitoring event. The monitoring point was replaced as PV-2RR on November 11, 2021 (Figure 1). The photograph below shows the completed VMP and labeling to prevent floor tiling from rendering the point inaccessible.



135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on November 11, 2021 following installation of VMP PV-2RR. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. The results of the November 11, 2021 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. November 11, 2021 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,251	--
V-2	1,250	--
V-3	1,219	--
V-4	1,208	--
V-5	1,281	--
V-6	2,041	--
VMPs		
PV-1R	--	-0.012
PV-2RR	--	-0.408
PV-3	--	-0.017
PV-4R	--	-0.023
PV-5R	--	-0.008
PV-6RR	--	-0.003
PV-7RR	--	-0.015
PV-8	--	-0.015
PV-10RR	--	-0.009
PV-11RR	--	-0.015

In addition to VMP and suction point monitoring, Integral confirmed that the Sensaphone SSDS alarm system telephone was functional. Photoionization detector (PID) readings for the SSDS indicated the carbon in the treatment drums is due to be replaced.

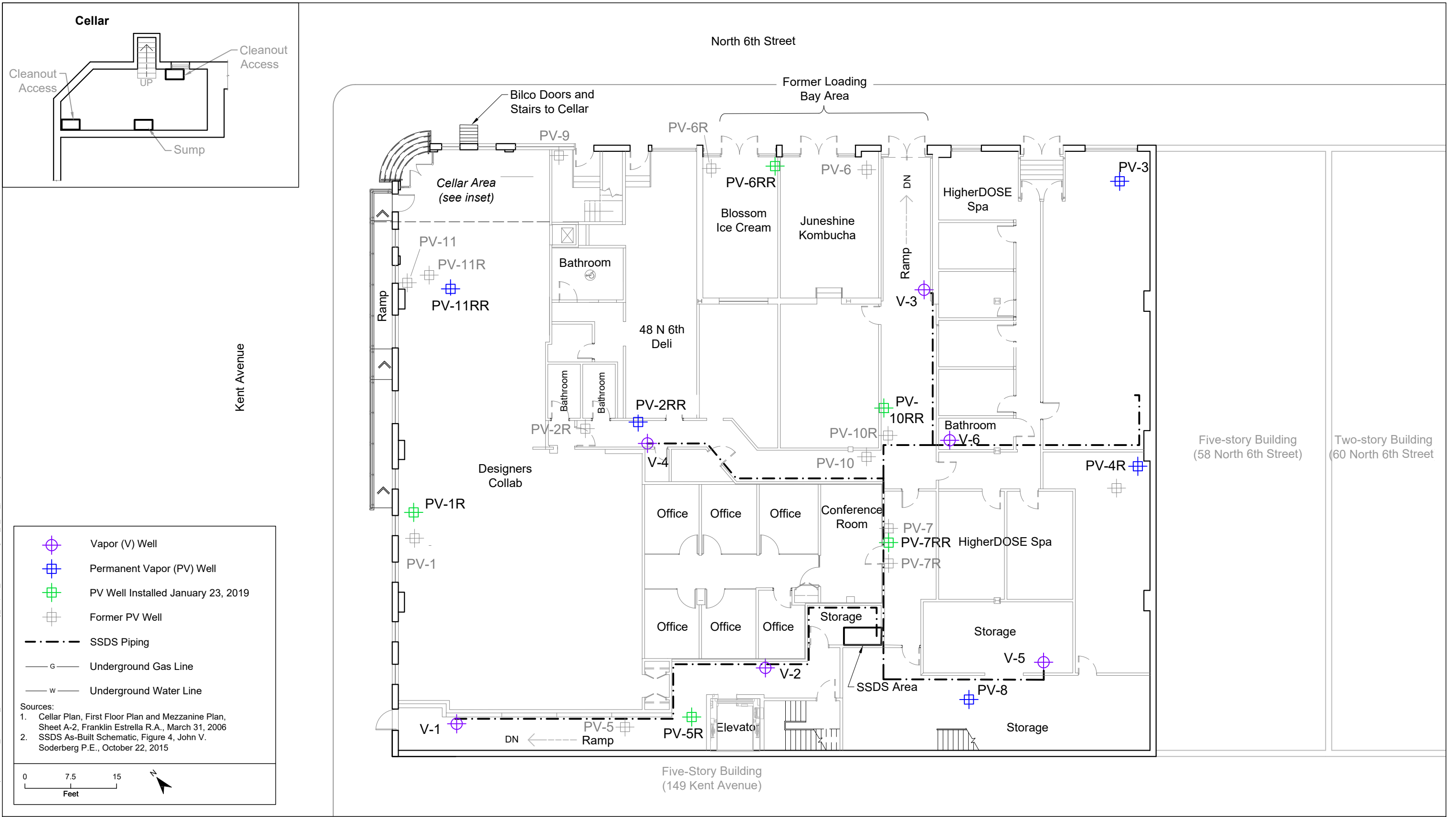
Coordinated Site System Maintenance Activities

Integral was notified by NYSDEC in November 2021 of a residential tenant concern regarding annual maintenance for air filtration units. Air filtration units were previously serviced in February 17, 2021 and are due for maintenance in February 2022. In addition, the SSDS treatment drums are due for carbon replacement. Integral is coordinating these maintenance activities with the 135 Kent Avenue building management, and will provide NYSDEC with a schedule when materials and subcontractors are available.

PLANNED ACTIVITIES FOR THE DECEMBER 2021 REPORTING PERIOD

The December 2021 monthly monitoring event will take place the week of December 20, 2021. Maintenance for the SSDS carbon drums and air filtration units will be coordinated with the 135 Kent Avenue building management. The SSDS system is currently operating. Additional details regarding December 2021 activities will be provided in the next monitoring report, due January 10, 2022.

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135 Kent Avenue
 Site # C224177
 SSDS Monitoring Form

Date: 11/11/21
 Time Begin: 9:30
 Time End: 14:00
 Staff: Patrick McGuire

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.012
PV-2R	-0.408
PV-3	-0.017
PV-4R	-0.023
PV-5R	-0.008
PV-6RR	-0.003
PV-7RR	-0.015
PV-8	-0.015
PV-10RR	-0.009
PV-11RR	-0.015

SSDS Monitoring Point	Flow Velocity (ft/min)
V-1	2,251
V-2	1,250
V-3	6219
V-4	1,208
V-5	1,281
V-6	2,041

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	45	no port	
Before lag drum	Gauge PI103 Sample Port	30	28.5	
After lag drum	Gauge PI104 Sample Port	19	21.0	
Ambient Air		0	0.0	

Is SSDS blower operating: ☒ Yes ☐ No
 Is heat exhaust fan operating: ☒ Yes ☐ No
 Is Sensaphone operating: ☒ Yes ☐ No
 Tampering, vandalism, or damage to
 SSDS: Yes ☒ No
 Exhaust stack: Yes ☒ No



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto and Keith P. Brodock, P.E. Integral Engineering, P.C.

Date: January 10, 2022

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. 224177

Project No.: PE1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. 224177) for the month of December 2021.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Collected sub-slab depressurization system (SSDS) monitoring measurements at VMPs and suction points at 135 Kent Avenue.
2. Coordinated maintenance for the air filtration units.
3. Coordinated indoor air sampling event.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on December 22, 2021. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. The results of the December 22, 2021 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. December 22, 2021 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,290	--
V-2	1,025	--
V-3	1,386	--
V-4	796	--
V-5	1,250	--
V-6	1,985	--
VMPs		
PV-1R	--	-0.007
PV-2RR	--	-0.392
PV-3	--	-0.019
PV-4R	--	-0.031
PV-5R	--	-0.008
PV-6RR	--	-0.004
PV-7RR	--	-0.023
PV-8	--	-0.019
PV-10RR	--	-0.024
PV-11RR	--	-0.005

In addition to VMP and suction point monitoring, Integral confirmed that the Sensaphone SSDS alarm system telephone was functional. The cover for SSDS treatment drum gauge PI103 was missing, but the gauge reading (30 inches of H₂O) was consistent with readings from the last two years. A new cover will be ordered.

Air Filtration Unit Maintenance Coordination

Integral was notified by NYSDEC in December 2021 of a residential tenant concern regarding annual maintenance for air filtration units. Air filtration units were previously serviced in February 17, 2021 and are due for maintenance in February 2022. Integral is coordinating these maintenance activities with the 135 Kent Avenue building management and has inquired with

vendors regarding material availability. Air filtration unit filter materials are available on a regular shipment schedule, and Integral will communicate to NYSDEC when the maintenance is scheduled.

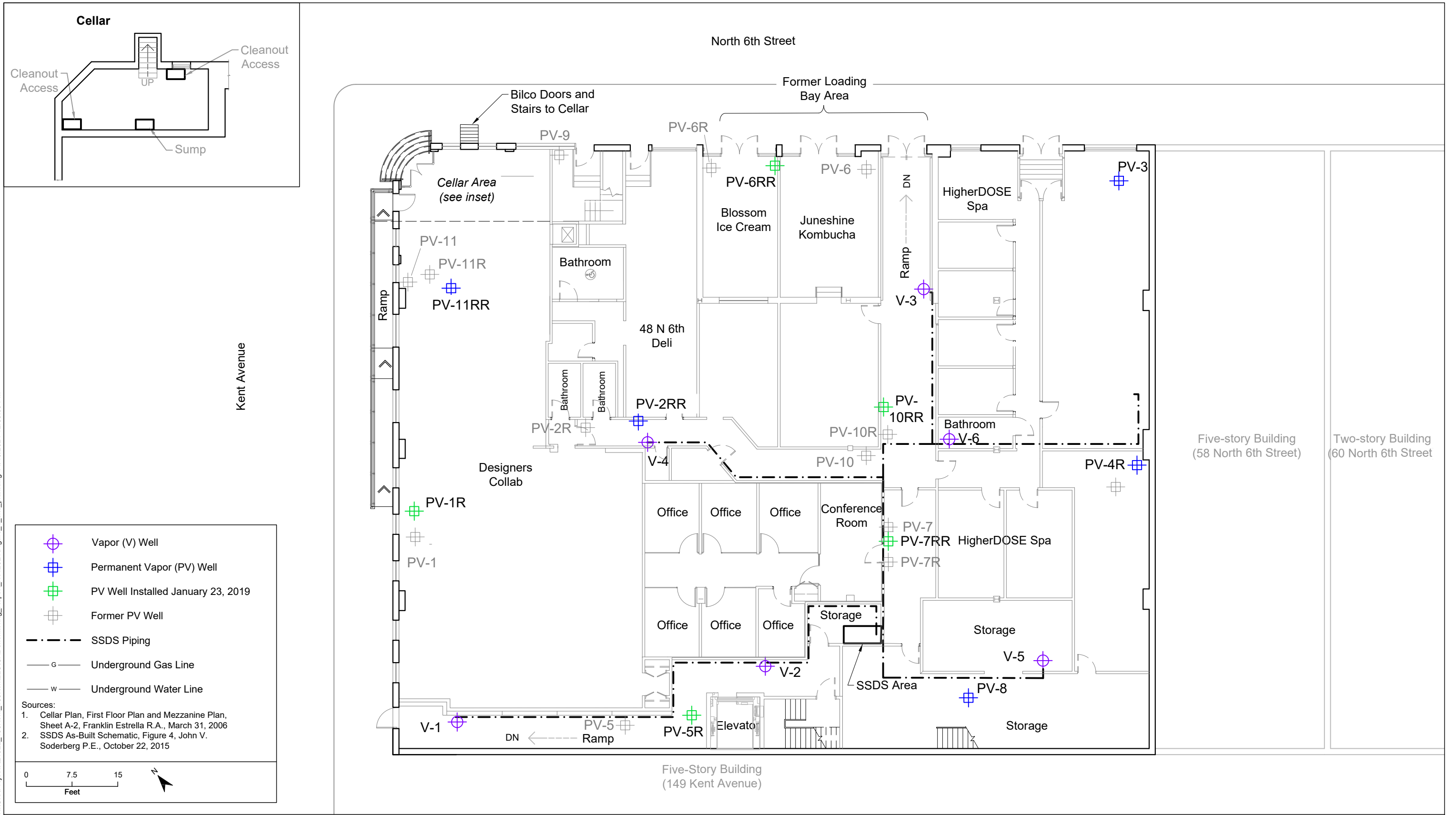
Indoor Air Sampling Coordination

NYSDEC communicated to the prior building owner on May 11, 2021 that indoor air sampling is required at the site during the 2022 heating season. In response to that communication, Integral prepared the August 10, 2021 Indoor Air Sampling Work Plan for Former Cleaner Sales and Equipment Corp. (hereafter referred to as "Work Plan"), approved by NYSDEC on August 25, 2021. Integral is coordinating with the current 135 Kent Avenue building management to obtain a current tenant contact list and schedule indoor air sampling per the approved Work Plan.

PLANNED ACTIVITIES FOR THE JANUARY 2022 REPORTING PERIOD

The January 2022 monthly monitoring event will take place the week of January 17, 2022. Maintenance for the air filtration units is being coordinated with the 135 Kent Avenue building management and a schedule will be provided to tenants and NYSDEC. The timing for indoor air sampling is being discussed with 135 Kent Avenue building management and will be communicated to NYSDEC. The SSDS system is currently operating. Additional details regarding January 2022 activities will be provided in the next monitoring report, due January 10, 2022.

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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY

135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 12/22/21
Time Begin: 11:00
Time End: 13:30
Staff: P. McGuire

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.007
PV-2R	-0.392
PV-3	-0.019
PV-4R	-0.031
PV-5R	-0.008
PV-6RR	-0.004
PV-7RR	-0.023
PV-8	0.019
PV-10RR	-0.024
PV-11RR	0.005

SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	2,290	0°
V-2	1,025	0°
V-3	1,386	15°
V-4	796	45°
V-5	1,250	45°
V-6	1,985	0°

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	44	no port	
Before lag drum	Gauge PI103 Sample Port	30	5.4	
After lag drum	Gauge PI104 Sample Port	18	4.4	
Ambient Air				

Is SSDS blower operating:

Yes

No

Is heat exhaust fan operating:

Yes

No

Is Sensaphone operating:

Yes

No

Tampering, vandalism, or damage to

SSDS:

Yes

No PI103 gauge is missing cover

Exhaust stack:

Yes

No



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: February 10, 2022

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. 224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. 224177) for the month of January 2022.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Collected sub-slab depressurization system (SSDS) monitoring measurements at VMPs and suction points at 135 Kent Avenue.
2. Coordinated maintenance for the air filtration units.
3. Coordinated indoor air sampling event.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on January 24, 2022. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. The results of the January 24, 2022 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. January 24, 2022 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,226	--
V-2	895	--
V-3	1,321	--
V-4	796	--
V-5	898	--
V-6	1,847	--
VMPs		
PV-1R	--	-0.008
PV-2RR	--	-0.325
PV-3	--	-0.013
PV-4R	--	-0.025
PV-5R	--	-0.006
PV-6RR	--	-0.004
PV-7RR	--	-0.010
PV-8	--	-0.015
PV-10RR	--	-0.019
PV-11RR	--	0.000

In addition to VMP and suction point monitoring, Integral confirmed that the Sensaphone SSDS alarm system telephone was functional. The cover for SSDS treatment drum gauge PI103 was missing, but the gauge reading (33 inches of H₂O) was consistent with readings from the last two years. A new cover will be ordered.

Air Filtration Unit Maintenance Coordination

Integral was notified by NYSDEC in December 2021 of a residential tenant concern regarding annual maintenance for air filtration units. Air filtration units were previously serviced in February 17, 2021 and are due for maintenance in February 2022. Integral is coordinating these maintenance activities with the 135 Kent Avenue building management and has planned

maintenance for the week of February 21, 2022.

Indoor Air Sampling Coordination

NYSDEC communicated to the prior building owner on May 11, 2021 that indoor air sampling is required at the site during the 2022 heating season. In response to that communication, Integral prepared the August 10, 2021 Indoor Air Sampling Work Plan for Former Cleaner Sales and Equipment Corp. (hereafter referred to as "Work Plan"), approved by NYSDEC on August 25, 2021. Integral is coordinating with the current 135 Kent Avenue building management to obtain a current tenant contact list and schedule indoor air sampling per the approved Work Plan the week of March 14, 2022.

PLANNED ACTIVITIES FOR THE FEBRUARY 2022 REPORTING PERIOD

The February 2022 monthly monitoring event will take February 17, 2022. Maintenance for the air filtration units is being coordinated with the 135 Kent Avenue building management for the week of February 21, 2022. The timing for indoor air sampling is being coordinated with 135 Kent Avenue building management for the week of March 14, 2022. The SSDS system is currently operating. Additional details regarding February 2022 activities will be provided in the next monitoring report, due March 10, 2022.

135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 1/24/22
Time Begin: 1500
Time End: 1700
Staff: P. McGuire

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.008
PV-2R	-0.325
PV-3	-0.013
PV-4R	-0.025
PV-5R	-0.006
PV-6RR	-0.004
PV-7RR	-0.010
PV-8	-0.015
PV-10RR	-0.019
PV-11RR	0.000

SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	2,226	
V-2	895	
V-3	1,321	
V-4	1,041	
V-5	898	
V-6	1,847	

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	44	no port	
Before lag drum	Gauge PI103 Sample Port	33	4.0	
After lag drum	Gauge PI104 Sample Port	18	3.8	
Ambient Air			0.0	

Is SSDS blower operating: ☒ Yes ☐ No

Is heat exhaust fan operating: ☒ Yes ☐ No

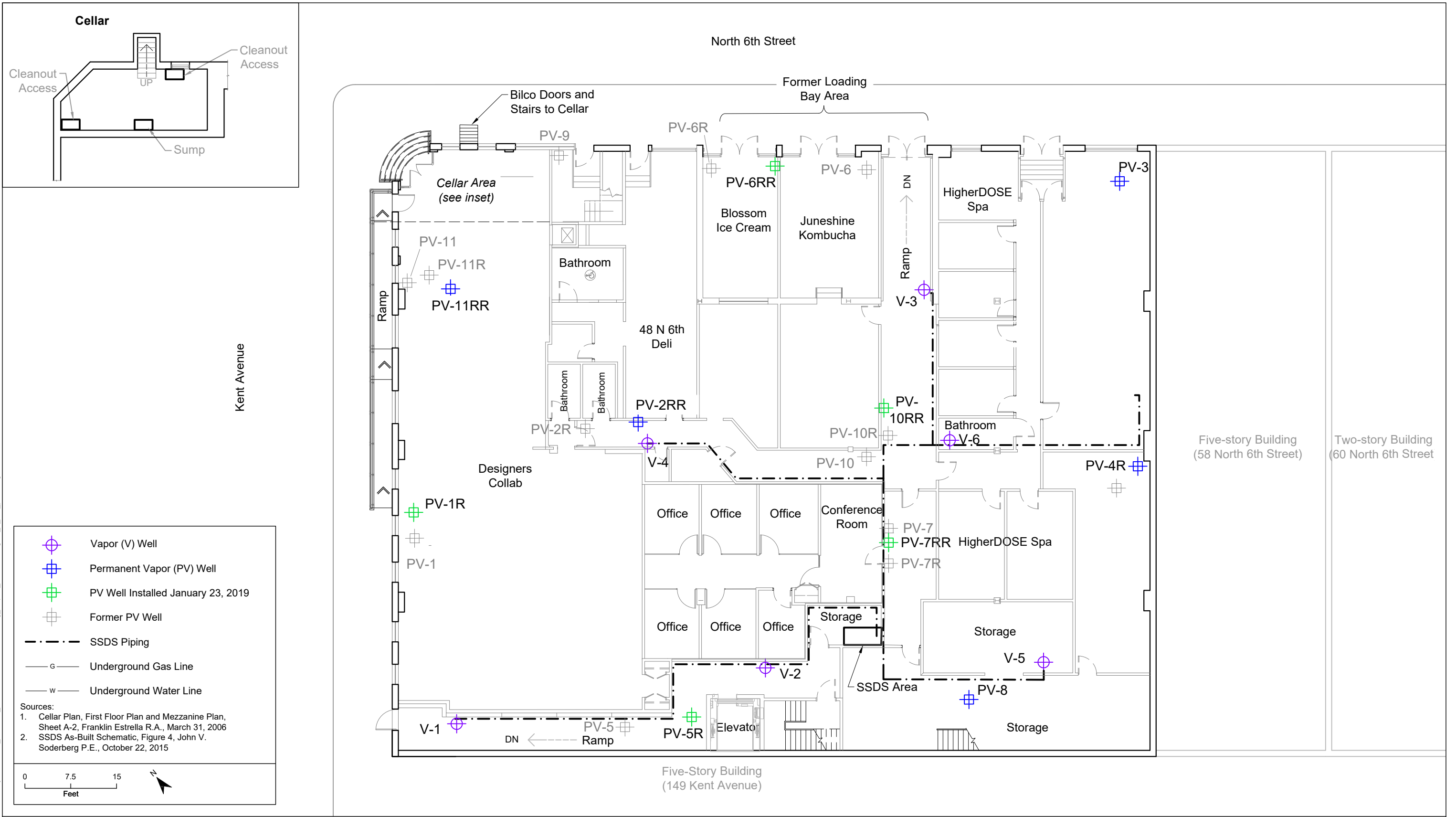
Is Sensaphone operating: ☒ Yes ☐ No

Tampering, vandalism, or damage to

SSDS: Yes ☒ No

Exhaust stack: Yes ☒ No

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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: March 10, 2022

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. 224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. 224177) for the month of February 2022.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Collected sub-slab depressurization system (SSDS) monitoring measurements at VMPs and suction points at 135 Kent Avenue.
2. Reviewed locations and oversaw maintenance of air filtration units.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on February 23, 2022. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. The results of the February 23, 2022 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. February 23, 2022 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,265	--
V-2	1,033	--
V-3	1,255	--
V-4	1,406	--
V-5	1,175	--
V-6	1,923	--
VMPs		
PV-1R	--	-0.023
PV-2RR	--	-0.328
PV-3	--	-0.020
PV-4R	--	-0.025
PV-5R	--	-0.008
PV-6RR	--	0.000
PV-7RR	--	-0.021
PV-8	--	-0.021
PV-10RR	--	-0.019
PV-11RR	--	-0.004

In addition to VMP and suction point monitoring, Integral confirmed that the Sensaphone SSDS alarm system telephone was functional.

Air Filtration Unit Maintenance

Integral was notified by NYSDEC in December 2021 of a residential tenant concern regarding annual maintenance for air filtration units. Air filtration units were previously serviced in February 17, 2021 and were due for maintenance in February 2022. 135 Kent Avenue building management notified tenants to leave air filtration units outside their doors the morning of February 23, 2022 so that Integral and the building supervisor could perform maintenance without accessing their apartments. Air filtration units were cleaned and vacuumed.

Integral prepared the following summary of air filtration units during the maintenance event:

Table 2. February 23, 2022 135 Kent Avenue Air Filtration Unit Summary

Location	Number of Units Maintained	Notes
First Floor (Commercial)		
HigherDOSE	1	
Vacant space	0	Former Mobile Spa storefront, empty.
Blossom	1	
Designers Collab	0	
Center Hallway	1	
Rear Hallway	1	
Second Floor (Residential)		
Apt. C-2	0	Tenant did not put units out as requested
Apt. C-3	2	
Apt. C-4	2	
Apt. C-5	0	Tenant did not put units out as requested
Apt. C-6	2	
Apt. C-7	0	Tenant did not put units out as requested
Apt. C-8	2	
Apt. C-9/C-10	3	
Apt. C-11	0	Tenant did not put units out as requested
Center Hallway	3	
Rear Hallway	1	Tenant did not put units out as requested

Note: There is not an Apartment C-1.

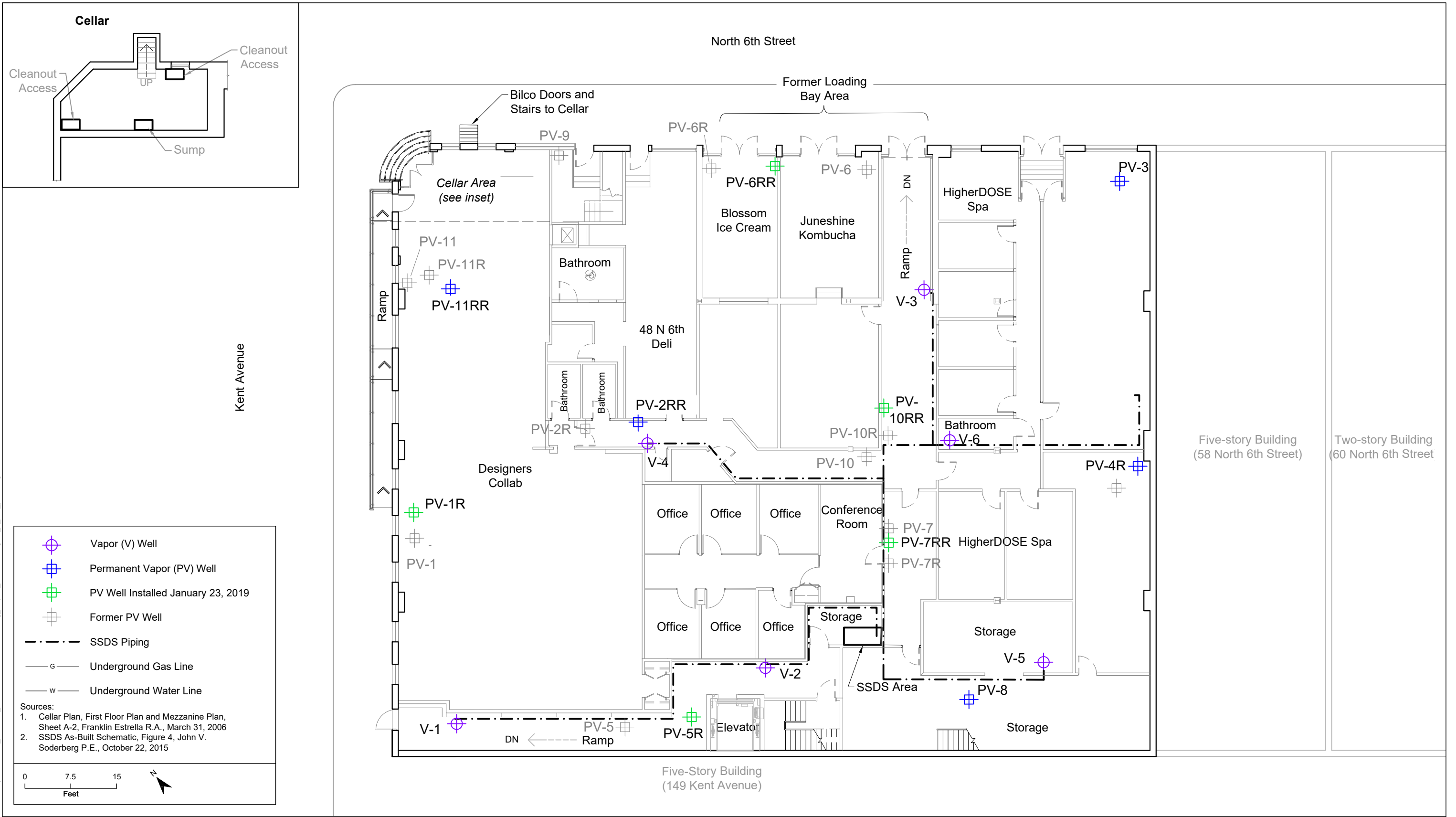
Building management from 135 Kent Avenue is deploying new AustinAir air filtration units to commercial spaces and communicating operation and maintenance requirements to commercial tenants. Building management is following up with non-responsive residential tenants regarding maintenance of air filtration units.

In response to NYSDEC inquiries Integral reviewed manufacturer's specifications for AirPura and AustinAir filtration units. Pre-filter materials will be replaced in all units. Integral will oversee maintenance activities and will provide an updated air filtration unit summary in the March 2022 Monthly Progress Report.

PLANNED ACTIVITIES FOR THE MARCH 2022 REPORTING PERIOD

The March 2022 monthly monitoring event will take March 17, 2022. Maintenance for air filtration units is being coordinated with the 135 Kent Avenue building management. The timing for indoor air sampling is being coordinated with 135 Kent Avenue building management. The SSDS system is currently operating. Additional details regarding March 2022 activities will be provided in the next monitoring report, due April 10, 2022.

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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY

135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 2/23/2022
 Time Begin: 1100
 Time End: 1500
 Staff: P. McGuire

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.023
PV-2R	-0.328
PV-3	-0.020
PV-4R	-0.025
PV-5R	-0.008
PV-6RR	0.000
PV-7RR	-0.021
PV-8	-0.021
PV-10RR	-0.019
PV-11RR	-0.004

SSDS Monitoring Point	Flow Velocity (ft/min)
V-1	2,265
V-2	1,033
V-3	1,255
V-4	1,406
V-5	1,175
V-6	1,923

Notes: Building Super cleaned Air Filters

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	44	no port	
Before lag drum	Gauge PI103 Sample Port	33	4.3	
After lag drum	Gauge PI104 Sample Port	19	3.9	
Ambient Air			0.0	

Is SSDS blower operating: ☒ Yes ☐ No

Is heat exhaust fan operating: ☒ Yes ☐ No

Is Sensaphone operating: ☒ Yes ☐ No

Tampering, vandalism, or damage to

SSDS: Yes ☒ No

Exhaust stack: Yes ☒ No



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: April 11, 2022

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of March 2022.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Collected sub-slab depressurization system (SSDS) monitoring measurements at VMPs and suction points at 135 Kent Avenue.
2. Performed air sampling in occupied tenant spaces throughout 135 Kent Avenue.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on March 23, 2022. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. The results of the March 23, 2022 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. March 23, 2022 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,295	--
V-2	1,041	--
V-3	1,155	--
V-4	1,110	--
V-5	1,083	--
V-6	1,892	--
VMPs		
PV-1R	--	-0.008
PV-2RR	--	-0.327
PV-3	--	-0.018
PV-4R	--	-0.026
PV-5R	--	-0.005
PV-6RR	--	0.06
PV-7RR	--	-0.014
PV-8	--	-0.017
PV-10RR	--	-0.014
PV-11RR	--	-0.002

In addition to VMP and suction point monitoring, Integral confirmed that the Sensaphone SSDS alarm system telephone was functional.

Winter 2021/2022 Air Sampling

Integral collected air samples in accordance with the August 10, 2021 Indoor Air Sampling Work Plan (hereafter referred to as "Work Plan"), approved by NYSDEC on August 25, 2021. Samples were sent to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program-certified analytical laboratory for chemical analysis by United States Environmental Protection Agency (USEPA) Method TO-15 for analysis of volatile organic compounds (VOCs) on a standard turnaround time. Per the Work Plan, the following five

compounds will be analyzed by EPA Method TO-15 SIM to meet a laboratory reporting limit of 0.20 micrograms per cubic meter: or less: trichloroethene, cis 1,2-dichloroethene, 1,1-dichloroethene, carbon tetrachloride, and vinyl chloride.

Integral collected air samples from the following spaces:

Table 2. March 23, 2022 135 Kent Avenue Air Sample Summary

Location	Samples Collected	Duration	Notes
Outdoor (sidewalk)	1	8-hr	
Outdoor (sidewalk)	1	24-hr	
First Floor			
HigherDOSE	2	8-hr	
Vacant space	1	8-hr	
Blossom	1	8-hr	
Bathroom in center hallway	1	8-hr	
Designers Collab	1	8-hr	
Office area	1	8-hr	
SSDS room	1	8-hr	
Hallway near elevator	1	8-hr	
Second Floor			
Apt. C-2	1	24-hr	
Apt. C-3	1	24-hr	
Apt. C-4	1	24-hr	
Apt. C-5	1	24-hr	
Apt. C-6	0	24-hr	Sample not accessible during retrieval period, not run for analysis
Apt. C-7	1	24-hr	
Apt. C-8	1	24-hr	
Apt. C-9/C-10	1	24-hr	
Apt. C-11	1	24-hr	
Center hallway	1	8-hr	
Hallway near elevator	1	8-hr	

Note: There is not an Apartment C-1.

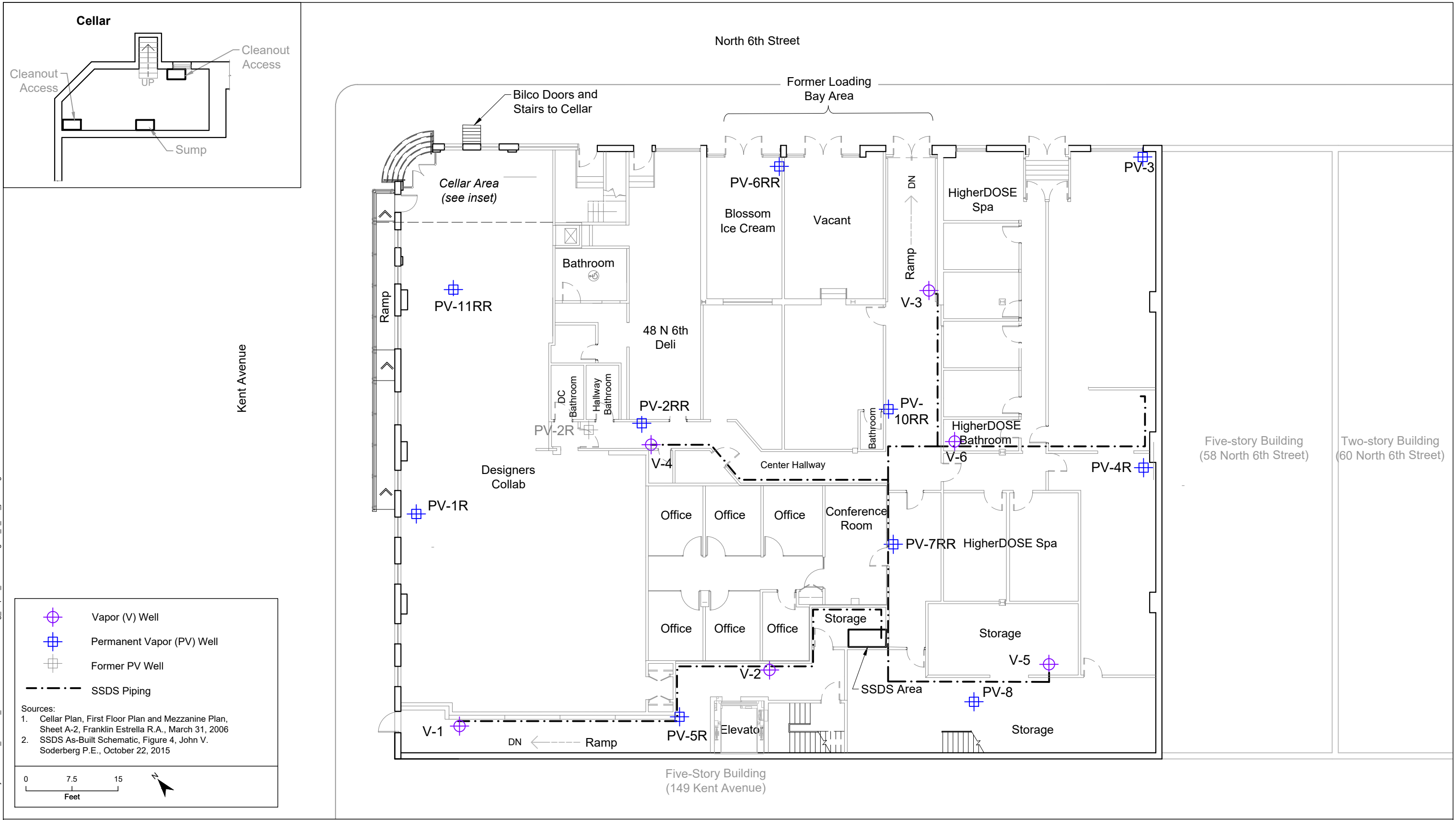
Integral will provide laboratory results to NYSDEC and NYSDOH for review. In addition, Integral is preparing tenant notification letters presenting the air sampling results and will provide a draft of those letters for NYSDEC and NYSDOH review and comment.

PLANNED ACTIVITIES FOR THE APRIL 2022 REPORTING PERIOD

The April 2022 monthly monitoring event will take April 14, 2022. Further maintenance for air filtration units (changeout of pre-filter material) is being coordinated with 135 Kent Avenue

building management and will be performed by an Integral field engineer. The SSDS system is currently operating. Additional details regarding April 2022 activities will be provided in the next monitoring report, due May 10, 2022.

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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY



135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 3/23/22
 Time Begin: 0915
 Time End: 1700
 Staff: Patrick McGuire

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.008
PV-2R	-0.327
PV-3	-0.018
PV-4R	-0.026
PV-5R	-0.05
PV-6RR	+0.06
PV-7RR	-0.014
PV-8	-0.017
PV-10RR	-0.014
PV-11RR	-0.002

SSDS Monitoring Point	Flow Velocity (ft/min)
V-1	2,295
V-2	1041
V-3	1155
V-4	1110
V-5	1083
V-6	1892

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	45	no port	
Before lag drum	Gauge PI103 Sample Port	33	5.0	
After lag drum	Gauge PI104 Sample Port	19	4.4	
Ambient Air			0.0	

Is SSDS blower operating: ☒ Yes ☐ No

Is heat exhaust fan operating: ☒ Yes ☐ No

Is Sensaphone operating: ☒ Yes ☐ No

Tampering, vandalism, or damage to

SSDS: ☐ Yes ☒ No

Exhaust stack: ☐ Yes ☒ No



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: May 10, 2022

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of April 2022.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Collected sub-slab depressurization system (SSDS) monitoring measurements at VMPs and suction points at 135 Kent Avenue.
2. Performed follow-up maintenance for the air filtration units at 135 Kent Avenue.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on April 28, 2022. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. The results of the April 28, 2022 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. April 28, 2022 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,160	--
V-2	1,189	--
V-3	1,423	--
V-4	797	--
V-5	1,326	--
V-6	1,745	--
VMPs		
PV-1R	--	-0.006
PV-2RR	--	-0.330
PV-3	--	-0.012
PV-4R	--	-0.033
PV-5R	--	-0.017
PV-6RR	--	-0.003
PV-7RR	--	-0.020
PV-8	--	-0.012
PV-10RR	--	-0.021
PV-11RR	--	-0.004

In addition to VMP and suction point monitoring, Integral confirmed that the Sensaphone SSDS alarm system telephone was functional.

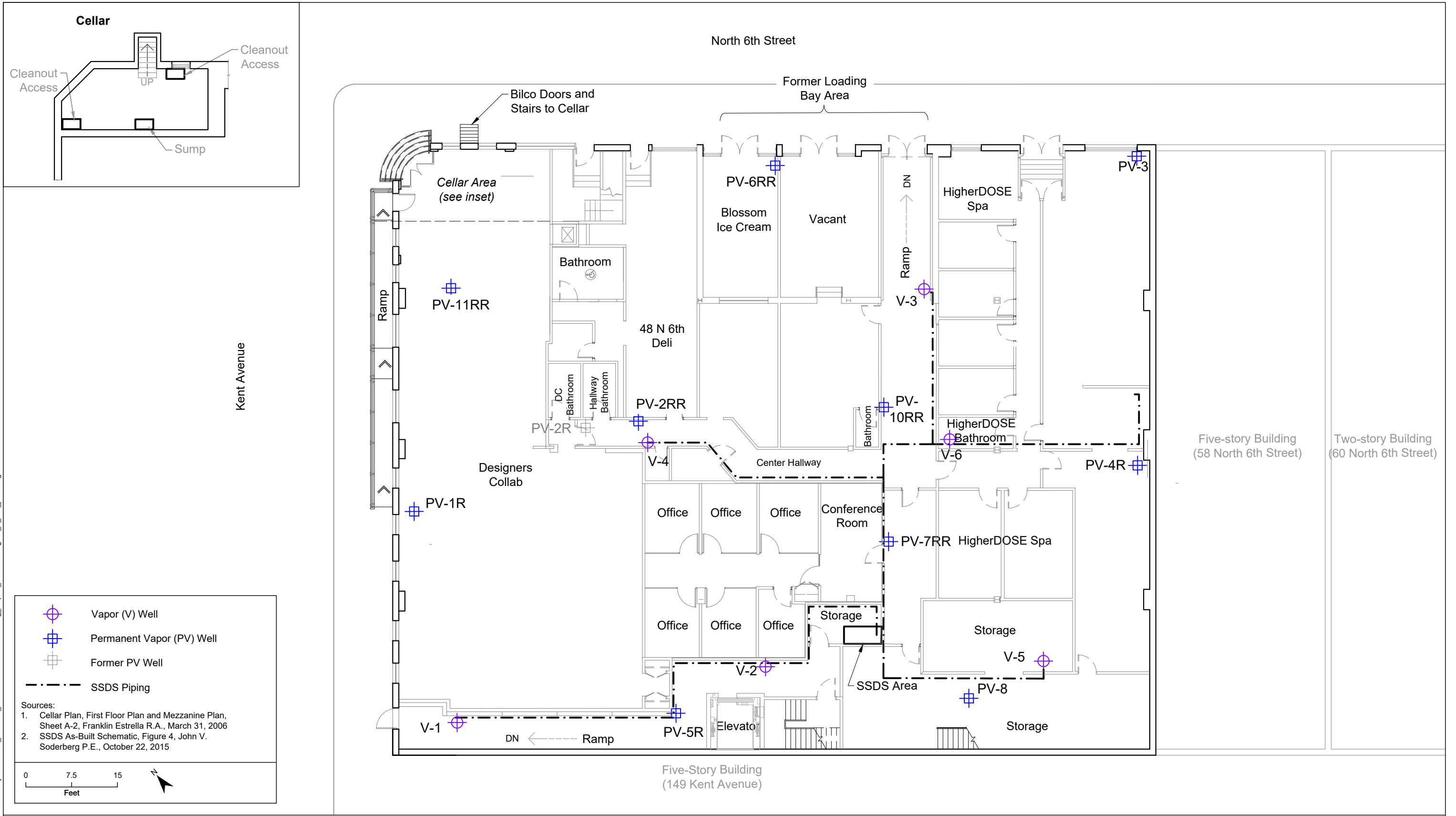
135 Kent Avenue Air Filtration Maintenance

Further maintenance for air filtration units (changeout of pre-filter material) was coordinated with 135 Kent Avenue building management and performed by an Integral field engineer on April 28, 2022. Building management posted physical notices and sent email communication regarding the maintenance event to all tenants. Tenants from residential apartments C-6, C-9, and C-11 did not provide their air filtration units for maintenance; Integral will coordinate with building management and these tenants to perform the pre-filter changeout during the May monitoring event.

PLANNED ACTIVITIES FOR THE MAY 2022 REPORTING PERIOD

The May 2022 monthly monitoring event will take May 25, 2022. The SSDS system is currently operating. Additional details regarding May 2022 activities will be provided in the next monitoring report, due June 10, 2022.

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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY



135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 4/28/22
Time Begin: 1200
Time End: 1530
Staff: P. McGuire

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.006
PV-2R	-0.330
PV-3	-0.012
PV-4R	-0.033
PV-5R	-0.017
PV-6RR	-0.003
PV-7RR	-0.020
PV-8	-0.012
PV-10RR	-0.021
PV-11RR	-0.004

SSDS Monitoring Point	Flow Velocity (ft/min)
V-1	2160
V-2	1189
V-3	1423
V-4	797
V-5	1326
V-6	1,745

0°
0°
15°
45°
45°
0°

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	44	no port	
Before lag drum	Gauge PI103 Sample Port	32	4.4	
After lag drum	Gauge PI104 Sample Port	18	5.1	
Ambient Air			0.0	

Is SSDS blower operating:

Yes

No

Is heat exhaust fan operating:

Yes

No

Is Sensaphone operating:

Yes

No

Tampering, vandalism, or damage to

SSDS:

Yes

No

Exhaust stack:

Yes

No



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: June 10, 2022

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of May 2022.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Collected sub-slab depressurization system (SSDS) monitoring measurements at VMPs and suction points at 135 Kent Avenue.
2. Discussed preparation of an interim remedial measure (IRM) work plan and next steps for offsite properties with NYSDEC and New York State Department of Health (NYSDOH).

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on May 25, 2022. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. The results of the May 25, 2022 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. May 25, 2022 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,334	--
V-2	1,011	--
V-3	1,079	--
V-4	1,121	--
V-5	1,192	--
V-6	1,754	--
VMPs		
PV-1R	--	-0.010
PV-2RR	--	-0.347
PV-3	--	-0.027
PV-4R	--	-0.031
PV-5R	--	-0.008
PV-6RR	--	0.000
PV-7RR	--	-0.028
PV-8	--	-0.021
PV-10RR	--	-0.019
PV-11RR	--	-0.004

In addition to VMP and suction point monitoring, Integral confirmed that the Sensaphone SSDS alarm system telephone was functional.

135 Kent Avenue Air Interim Remedial Measure Work Plan

Integral and representatives for 135 Kent LLC met with NYSDEC and NYSDOH on May 25, 2022 to discuss future plans for the site and offsite properties. Potential plans for the site include excavation on the first floor to bring the building to grade and installation of a soil vapor extraction (SVE) system and vapor barrier. To document the proposed activities, 135 Kent LLC will submit an interim remedial measure (IRM) work plan to NYSDEC and NYSDOH for review and approval. The proposed schedule for this document is as follows:

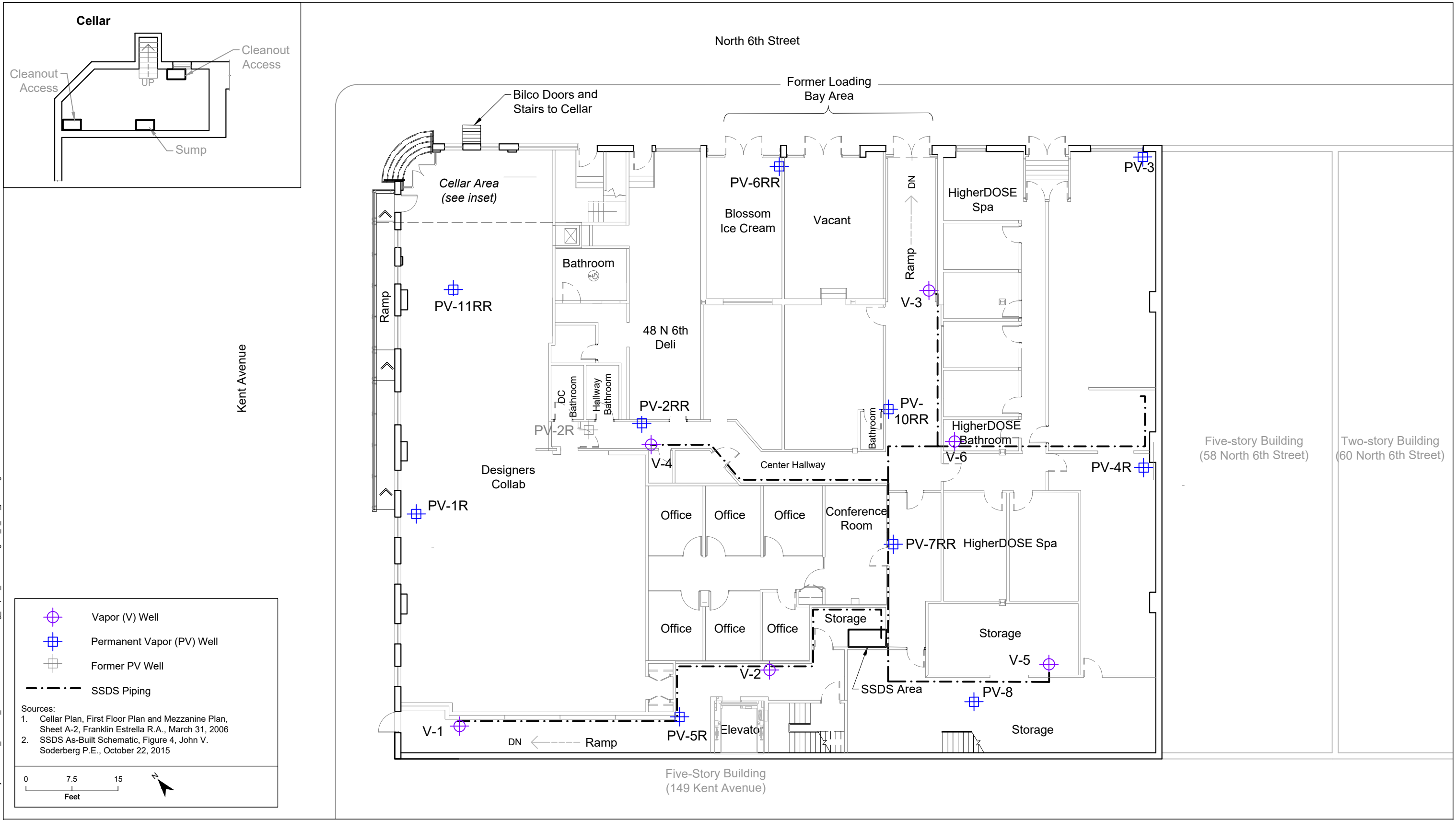
- Submittal of Draft IRM Work Plan to NYSDEC/NYSDOH – 90 days
- NYSDEC/NYSDOH Review – 45 days
- Submittal of Revised Draft IRM Work Plan– 21 days
- Follow-up review by NYSDEC/NYSDOH – 21 days
- Public notice – 45 days

In addition to developing the IRM work plan, Integral and 135 Kent LLC have written property managers for the two offsite properties, 58 North 6th Street and 60 North 6th Street, to obtain access for site walks to gather information needed for installation of active remedial measures at these properties.

PLANNED ACTIVITIES FOR THE JUNE 2022 REPORTING PERIOD

The June 2022 monthly monitoring event will take place June 7, 2022. The SSDS system is currently operating. Integral plans to perform site visits at the two offsite properties in June 2022. Additional details regarding June 2022 activities will be provided in the next monitoring report, due July 10, 2022.

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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY



135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 5/25/22
Time Begin: 1200
Time End: 1545
Staff: P. McGuire

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.010
PV-2RR	-0.347
PV-3	-0.027
PV-4R	-0.031
PV-5R	-0.008
PV-6RR	0.000
PV-7RR	-0.028
PV-8	-0.021
PV-10RR	-0.019
PV-11RR	-0.004

SSDS Monitoring Point	Flow Velocity (ft/min)
V-1	2,334
V-2	1,011
V-3	1,079
V-4	1,121
V-5	1,192
V-6	1,754

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	45	no port	
Before lag drum	Gauge PI103 Sample Port	33	5.0	
After lag drum	Gauge PI104 Sample Port	19	4.4	
Ambient Air				

Is SSDS blower operating: ☒ Yes ☐ No
Is heat exhaust fan operating: ☒ Yes ☐ No
Is Sensaphone operating: ☒ Yes ☐ No
Tampering, vandalism, or damage to
SSDS: Yes ☒ No
Exhaust stack: Yes ☒ No



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: July 10, 2022

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of June 2022.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Collected sub-slab depressurization system (SSDS) monitoring measurements at VMPs and suction points at 135 Kent Avenue.
2. Coordinated site walks and maintenance of vapor intrusion mitigation measures with offsite properties.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on June 7, 2022. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. The results of the June 7, 2022 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. June 7, 2022 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,258	--
V-2	1,237	--
V-3	1,147	--
V-4	955	--
V-5	1,099	--
V-6	1,527	--
VMPs		
PV-1R	--	-0.016
PV-2RR	--	-0.351
PV-3	--	-0.019
PV-4R	--	-0.025
PV-5R	--	-0.010
PV-6RR	--	0.000
PV-7RR	--	-0.027
PV-8	--	-0.024
PV-10RR	--	-0.018
PV-11RR	--	-0.010

In addition to VMP and suction point monitoring, Integral confirmed that the Sensaphone SSDS alarm system telephone was functional.

Offsite Vapor Intrusion Mitigation Measures

In June 2022 Integral and representatives for 135 Kent LLC continued to correspond with property managers for the two offsite properties, 58 North 6th Street and 60 North 6th Street, to obtain access for site walks to gather information needed for installation of active vapor intrusion mitigation measures at these properties. On June 7, 2022, Integral accessed 58 North 6th Street to discuss SSDS pilot testing and review the condition of air filtration units throughout the building. Integral observed six air filtration units operating within the building, with one unit in each of the following spaces: front basement, rear basement, first floor front office space,

first floor music studio, second floor office space, and third floor office space. Integral is coordinating with representatives for 135 Kent LLC to order carbon filter and pre-filter materials necessary for air filtration unit maintenance and will schedule that maintenance once a delivery date is set.

NYSDEC and NYSDOH have required the upgrade of the existing passive SSDS at 60 North 6th Street to an active system. P.W. Grosser Consulting, the environmental consultant for 60 North 6th Street, wrote Integral on June 14, 2022 that “new construction (there will be interior work for a new retailer entering the space) will commence this summer and will include the upgrade of the SSDS.” The communication from P.W. Grosser included preliminary plans for the upgrade of the existing passive SSDS to an active system. Integral forwarded these plans to NYSDEC on June 24, 2022. The plans include an upgrade to the existing electrical system as well as placement of a blower on the roof of the 60 North 6th building. Integral has requested the schedule and detailed plans for this installation and will send this information to NYSDEC.

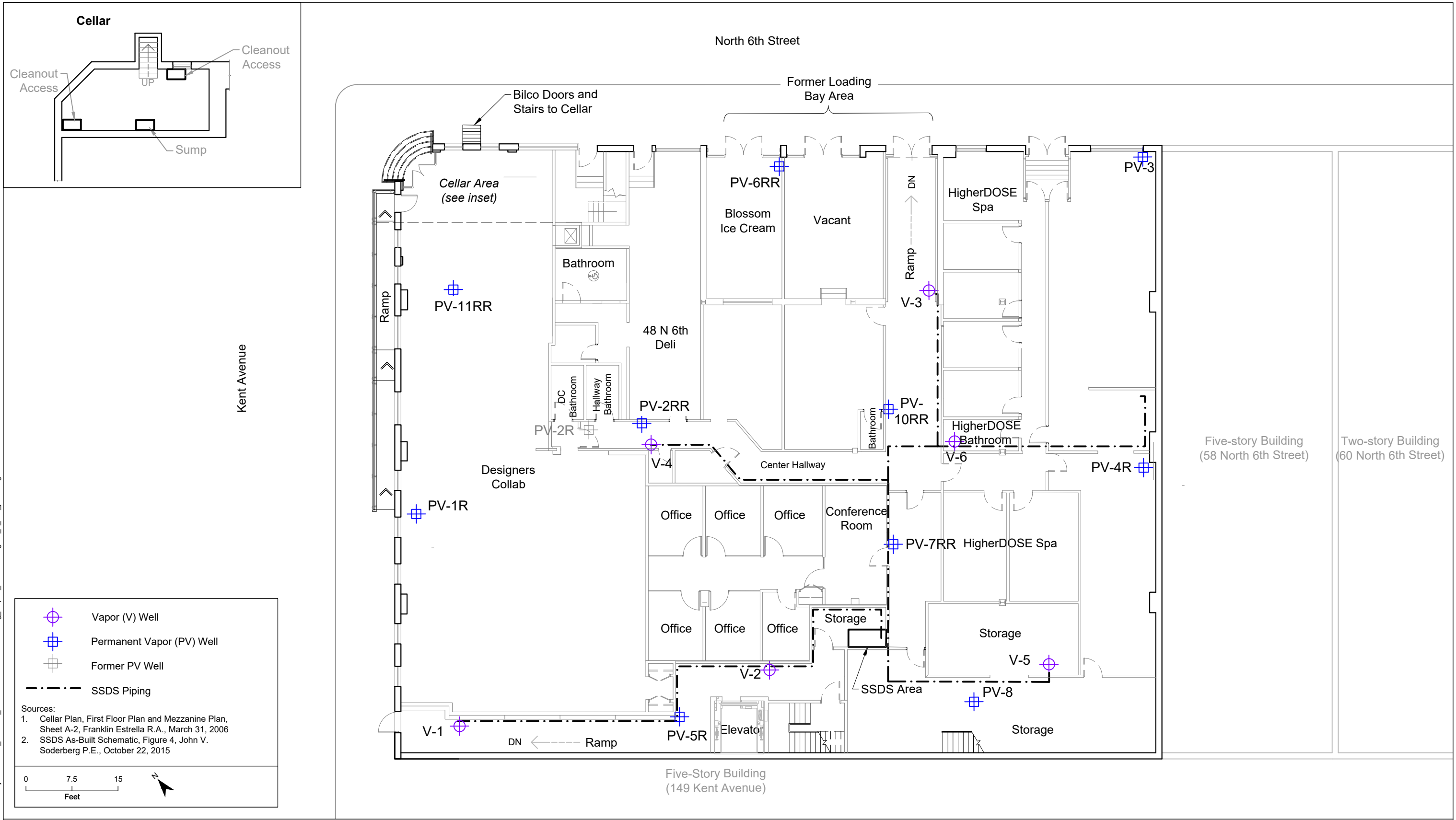
PLANNED ACTIVITIES FOR THE JULY 2022 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the July 2022 reporting period:

- The July 2022 monthly monitoring event is scheduled to take place July 21, 2022.
- Several tenants in the 135 Kent Avenue building have not provided access to their air filtration units for routine maintenance. Prior to the July monitoring event, Integral and representatives for 135 Kent LLC will contact those tenants to request access to their air filtration units.
- Integral plans to perform a site visit at 58 North 6th Street to discuss potential placement of SSDS components.
- Integral will continue to request information from the consultant for 60 North 6th Street regarding the upgrade of the passive SSDS system.
- Integral plans to submit the revised Remedial Investigation Phase 1 Report for 135 Kent Avenue on July 22, 2022.

Additional details regarding July 2022 activities will be provided in the next monitoring report, due August 10, 2022.

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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY



135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 6/7/22
Time Begin: 14:00
Time End: 16:30
Staff: P. McGuire

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.016
PV-2RR	-0.351
PV-3	-0.019
PV-4R	-0.025
PV-5R	-0.010
PV-6RR	0.000
PV-7RR	-0.027
PV-8	-0.024
PV-10RR	-0.018
PV-11RR	-0.010

SSDS Monitoring Point	Flow Velocity (ft/min)
V-1	2,258
V-2	1,237
V-3	1,147
V-4	955
V-5	1,090
V-6	1,527

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	44	no port	
Before lag drum	Gauge PI103 Sample Port	32	4.0	
After lag drum	Gauge PI104 Sample Port	19	5.2	
Ambient Air			0.0	

Is SSDS blower operating: ☒ Yes ☐ No
Is heat exhaust fan operating: ☒ Yes ☐ No
Is Sensaphone operating: ☒ Yes ☐ No
Tampering, vandalism, or damage to
SSDS: Yes ☒ No
Exhaust stack: Yes ☒ No



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: August 10, 2022

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of July 2022.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.
2. Performed a site walk at 135 Kent Avenue in support of the interim remedial measure (IRM).
3. Identified and coordinated repair of slab openings at 135 Kent Avenue.
4. Prepared materials in support of the IRM Work Plan.
5. Performed a site walk at 58 North 6th Street in support of installation of an SSDS at that property.

6. Coordinated maintenance and installation of vapor intrusion mitigation measures with offsite properties.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on July 22, 2022. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. VMPs and suction points are shown on attached Figure 1. The results of the July 22, 2022 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. July 22, 2022 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,310	--
V-2	986	--
V-3	1,235	--
V-4	1,259	--
V-5	1,183	--
V-6	1,092	--
VMPs		
PV-1R	--	-0.012
PV-2RR	--	-0.386
PV-3	--	-0.027
PV-4R	--	-0.028
PV-5R	--	-0.012
PV-6RR	--	-0.005
PV-7RR	--	-0.033
PV-8	--	-0.028
PV-10RR	--	-0.021
PV-11RR	--	-0.003

The SSDS is functioning as designed. In addition to VMP and suction point monitoring, Integral confirmed that the Sensaphone SSDS alarm system was functional.

135 Kent Avenue Site Walk

Integral performed a site visit at 135 Kent Avenue on July 22, 2022 in preparation for implementation of the interim remedial action work plan. Several interior demising walls were observed to have been removed on the first floor of the building. One of the walls that was removed was concealing a structural support beam and vertical sewer pipe. At the base of the

sewer pipe was a pre-existing, irregular slab cutout that was left to accommodate a sewer clean out (attached Photo 1). This area is currently used as storage space, and was previously the office space for the real estate group at the back of the coffee shop (see attached figure). We believe this slab cutout has been in place since the building was converted to commercial space in the early 2000s, but it had been concealed by the demising wall until July 2022.

Integral cleaned out the debris in the slab cutout and observed an approximately 4- by 6-inch area of exposed soil (Photo 1). Integral used a photoionization detector to check the soil and there were no detections of volatile organic compounds. Integral showed the cutout to the building superintendent and requested this that it be filled as soon as possible. Air filtration units are running in that storage space. Representatives from 135 Kent LLC confirmed that the slab cutout was filled with concrete and that the space around the sewer pipe was sealed (Photo 2). Integral confirmed the adequacy of the repair during a site visit on August 3, 2022.

Separately, Blossom ice cream is no longer a tenant as of July 2022 and the space previously occupied by Blossom is now vacant. When reviewing conditions in that space Integral noted two pipe openings that were exposed when Blossom's equipment was removed (Photo 3). Integral noted one opening was filled during the August 3 site visit (Photo 4); and is working with the building superintendent to identify a means of capping the second pipe opening. Air filtration units are running in that space.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral prepared materials for the forthcoming IRM Work Plan in July 2022. The IRM Work Plan will include plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE) system. The proposed schedule for submittal of the IRM Work Plan is October 10, 2022. Integral and representatives from 135 Kent LLC request a teleconference with NYSDEC and NYSDOH in mid-September 2022 to discuss these plans prior to submittal of the IRM Work Plan. Integral will coordinate with NYSDEC and NYSDOH to identify available times for that teleconference.

Offsite Vapor Intrusion Mitigation Measures

Integral continued to correspond with representatives for the owners of the two offsite properties, 58 North 6th Street and 60 North 6th Street, to obtain access for site walks and to gather information needed for installation of active vapor intrusion mitigation measures at these properties.

On July 22, 2022, Integral performed a site walk at 58 North 6th Street to discuss SSDS pilot testing with the building manager and identify potential locations where SSDS piping and components could be installed. During the July 22, 2022 site walk Integral reviewed the condition of air filtration units 58 North 6th Street. Integral observed six air filtration units within the building, with one unit in each of the following spaces: front basement, rear basement, first floor front office space, first floor music studio, second floor office space, and third floor office space. Integral is coordinating with representatives for 135 Kent LLC to order

carbon filter and pre-filter materials necessary for air filtration unit maintenance and will schedule that maintenance once a delivery date is set.

NYSDEC and NYSDOH have required the upgrade of the existing passive SSDS at 60 North 6th Street to an active system. P.W. Grosser Consulting, the environmental consultant for 60 North 6th Street, wrote Integral on June 14, 2022 that “new construction (there will be interior work for a new retailer entering the space) will commence this summer and will include the upgrade of the SSDS.” The communication from P.W. Grosser included preliminary plans for the upgrade of the existing passive SSDS to an active system. Integral forwarded these plans to NYSDEC on June 24, 2022. The plans include an upgrade to the existing electrical system as well as placement of a blower on the roof of the 60 North 6th building. Integral has requested the schedule and detailed plans for this installation and will send information that is provided to NYSDEC.

PLANNED ACTIVITIES FOR THE AUGUST 2022 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the August 2022 reporting period:

- Monthly monitoring. The August 2022 monthly monitoring event took place August 3, 2022.
- Annual reporting. Integral will prepare an annual report for 135 Kent Avenue.
- IRM Work Plan preparation. Integral is preparing the IRM Work Plan, and will coordinate a time in mid-September for a teleconference with NYSDEC and NYSDOH to discuss the scope of the IRM Work Plan.
- Air filtration unit maintenance. Integral will continue to reach out to 135 Kent Avenue tenants that have not responded to requests for air filtration unit maintenance. Integral will coordinate maintenance of air filtration units in 58 North 6th Street with that building’s manager.
- Offsite vapor intrusion mitigation. Integral will continue to request information from the consultant for 60 North 6th Street regarding the upgrade of the passive SSDS system.

Additional details regarding August 2022 activities will be provided in the next monitoring report, due September 10, 2022.

PHOTOGRAPHS FROM JULY 22, 2022 SITE WALK AND SUBSEQUENT SLAB REPAIRS



Photo 1. Slab cutout at base of vertical sewer pipe



Photo 2. Slab cutout at base of vertical sewer pipe filled with concrete

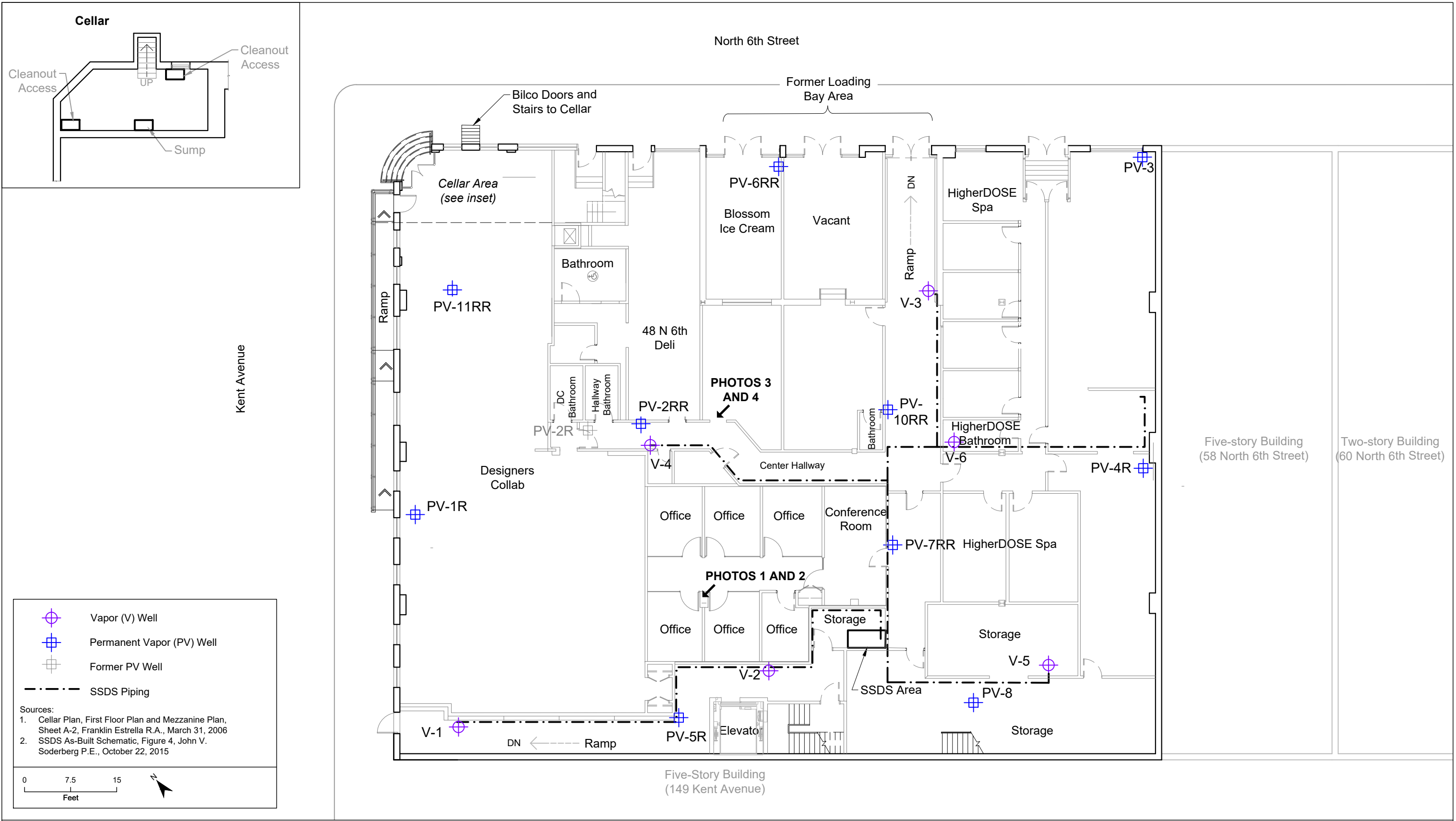


Photo 3. Pipe openings identified in former Blossom ice cream commercial space



Photo 4. Concrete filling pipe opening shown in upper portion of Photo 3

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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY



135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 7/22/22
Time Begin: 9:30
Time End: 16:00
Staff: P. McGinnis, S. Barabito, K. Bradwick

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.012
PV-2RR	-0.086
PV-3	-0.027
PV-4R	-0.028
PV-5R	-0.012
PV-6RR	-0.005
PV-7RR	-0.033
PV-8	-0.028
PV-10RR	-0.021
PV-11RR	-0.003

SSDS Monitoring Point	Flow Velocity (ft/min)
V-1	2310
V-2	486
V-3	1235
V-4	1259
V-5	1183
V-6	1092

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	44	no port	
Before lag drum	Gauge PI103 Sample Port	32	4.6	
After lag drum	Gauge PI104 Sample Port	19	5.4	
Ambient Air			0.0	

Is SSDS blower operating:

Yes

No

Is heat exhaust fan operating:

Yes

No

Is Sensaphone operating:

Yes

No

Tampering, vandalism, or damage to

SSDS:

Yes

No

Exhaust stack:

Yes

No



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: September 12, 2022

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of August 2022.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.
2. Prepared materials in support of the IRM Work Plan.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on August 3, 2022. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. VMPs and suction points are shown on attached Figure 1. The results of the August 3, 2022 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. August 3, 2022 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H₂O)
SSDS Suction Points		
V-1	2,478	--
V-2	1,292	--
V-3	1,172	--
V-4	1,024	--
V-5	1,203	--
V-6	1,427	--
VMPs		
PV-1R	--	-0.012
PV-2RR	--	-0.387
PV-3	--	-0.019
PV-4R	--	-0.027
PV-5R	--	-0.013
PV-6RR	--	0.000
PV-7RR	--	-0.024
PV-8	--	-0.024
PV-10RR	--	-0.019
PV-11RR	--	0.000

Pressure readings at two VMPs, PV-6RR and PV-11RR, fluctuated but did not remain negative or positive and the connection of these VMPs to the subsurface will be further reviewed during the next monitoring event. In addition to VMP and suction point monitoring, Integral confirmed that the Sensaphone SSDS alarm system was functional.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral prepared materials for the forthcoming IRM Work Plan. The IRM Work Plan will include plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE) system. The proposed schedule for submittal of the IRM Work Plan is October 10, 2022. Integral and representatives from 135 Kent LLC request a teleconference with NYSDEC and NYSDOH in mid-September 2022 to discuss these plans prior to submittal of the IRM Work Plan. Integral will coordinate with NYSDEC and NYSDOH to identify available times for that teleconference.

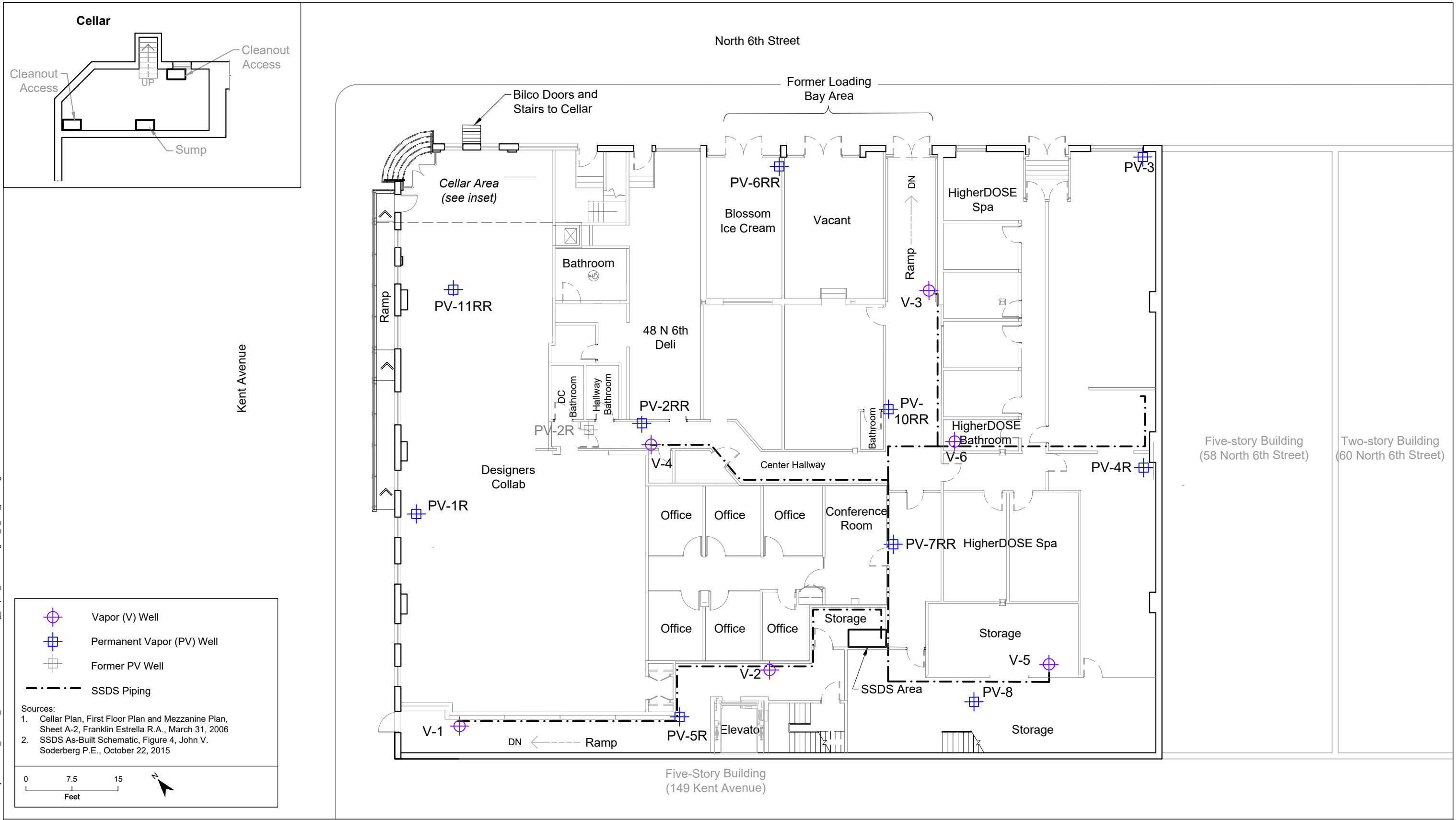
PLANNED ACTIVITIES FOR THE SEPTEMBER 2022 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the September 2022 reporting period:

- Monthly monitoring. The September 2022 monthly monitoring event took place September 3, 2022.
- Annual reporting. Integral will continue to prepare an annual report for 135 Kent Avenue.
- IRM Work Plan preparation. Integral will continue to prepare the IRM Work Plan, and will discuss the scope and progress on that Work Plan via teleconference with NYSDEC and NYSDOH.
- Air filtration unit maintenance. Integral will continue to reach out to 135 Kent Avenue tenants that have not responded to requests for air filtration unit maintenance.
- Offsite vapor intrusion mitigation. Integral will continue to request information from the consultant for 60 North 6th Street regarding the upgrade of the passive SSDS system.

Additional details regarding September 2022 activities will be provided in the next monitoring report, due September 10, 2022.

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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY



135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 8/3/2022
Time Begin: 1300
Time End: 1532
Staff: J. MacIntyre & S. Ennes

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.012
PV-2RR	-0.387
PV-3	-0.019
PV-4R	-0.027
PV-5R	-0.013
PV-6RR	0.000
PV-7RR	-0.024
PV-8	-0.021
PV-10RR	-0.019
PV-11RR	0.000

SSDS Monitoring Point	Flow Velocity (ft/min)
V-1	2478
V-2	10292
V-3	1,172
V-4	1,024
V-5	1,203
V-6	1,427

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	44	no port	
Before lag drum	Gauge PI103 Sample Port	32	3.1	
After lag drum	Gauge PI104 Sample Port	19	3.2	
Ambient Air		0	0.0	

Is SSDS blower operating:

Yes

No

Is heat exhaust fan operating:

Yes

No

Is Sensaphone operating:

Yes

No

Tampering, vandalism, or damage to

SSDS:

Yes

No

Exhaust stack:

Yes

No



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: October 11, 2022

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of September 2022.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.
2. Prepared materials in support of the IRM Work Plan.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on September 15, 2022. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. VMPs and suction points are shown on attached Figure 1. The results of the September 15, 2022 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. September 15, 2022 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H₂O)
SSDS Suction Points		
V-1	2,473	--
V-2	1,029	--
V-3	1,458	--
V-4	1,019	--
V-5	1,347	--
V-6	1,744	--
VMPs		
PV-1R	--	-0.011
PV-2RR	--	-0.403
PV-3	--	-0.019
PV-4R	--	-0.030
PV-5R	--	-0.011
PV-6RR	--	0.000
PV-7RR	--	Inaccessible
PV-8	--	-0.019
PV-10RR	--	-0.021
PV-11RR	--	0.000

Pressure readings at two VMPs, PV-6RR and PV-11RR, fluctuated but did not remain negative or positive and the connection of these VMPs to the subsurface will be further reviewed during the next monitoring event. VMP PV-7RR, located in the rear storage area, was covered by debris from interior wall demolition at the time of monitoring; representatives from 135 Kent LLC are uncovering that monitoring location in advance of the next monitoring event. In addition to VMP and suction point monitoring, Integral confirmed that the Sensaphone SSDS alarm system was functional.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral prepared materials for the forthcoming IRM Work Plan during September 2022. The IRM Work Plan will include plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE)

system. Integral and representatives from NYSDEC and NYSDOH met via teleconference on September 14, 2022 to discuss these plans prior to submittal of the IRM Work Plan. Integral is discussing next steps for the IRM Work Plan with representatives from 135 Kent LLC.

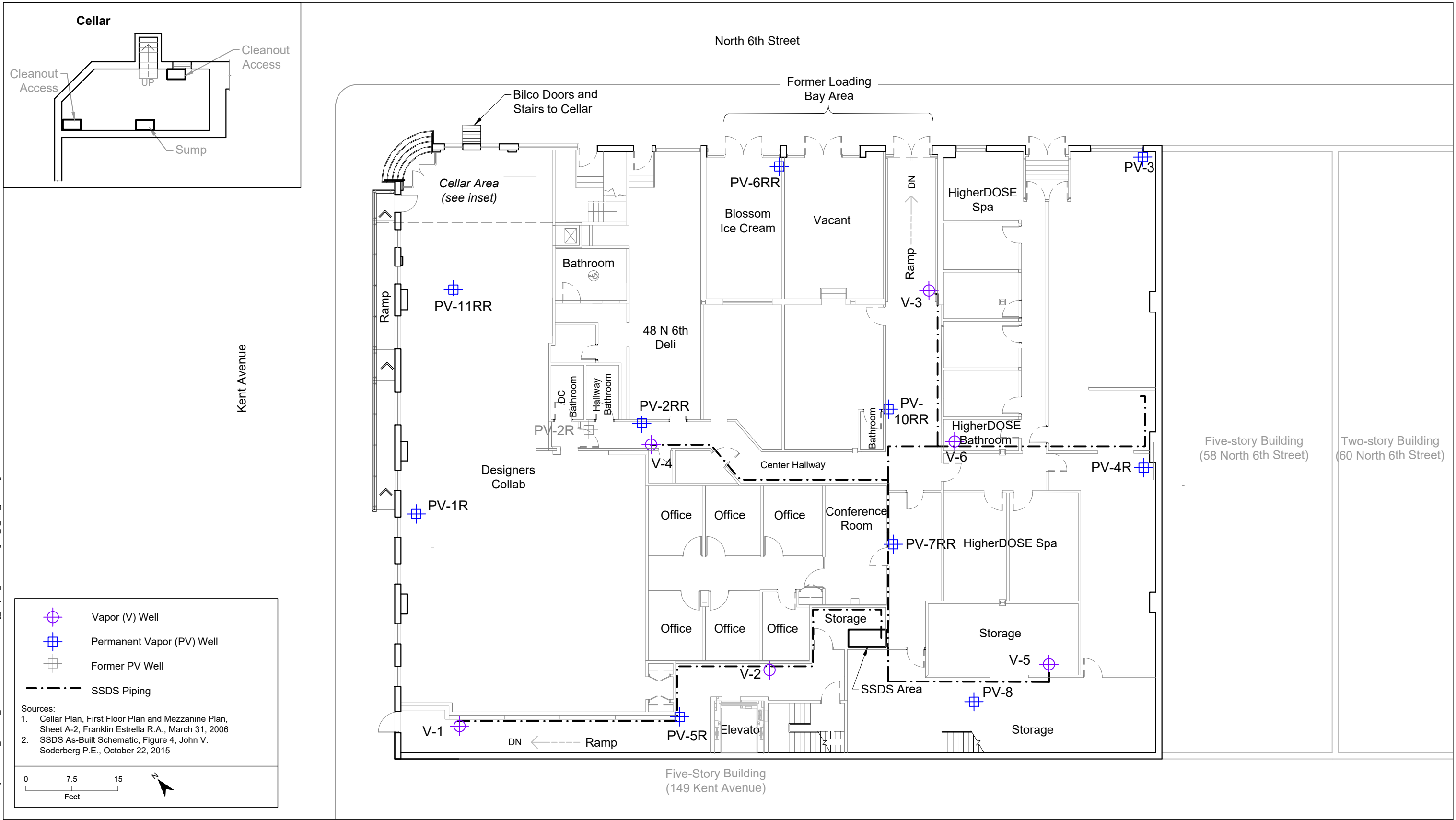
PLANNED ACTIVITIES FOR THE OCTOBER 2022 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the October 2022 reporting period:

- Monthly monitoring. The October 2022 monthly monitoring event is planned for October 24, 2022.
- Annual reporting. Integral will continue to prepare an annual report for 135 Kent Avenue.
- IRM Work Plan preparation. Integral will continue to prepare the IRM Work Plan.
- Air filtration unit maintenance. Integral will continue to reach out to 135 Kent Avenue tenants that have not responded to requests for air filtration unit maintenance.
- Offsite vapor intrusion mitigation. Integral will continue to request information from the consultant for 60 North 6th Street regarding the upgrade of the passive SSDS system.

Additional details regarding October 2022 activities will be provided in the next monitoring report, due November 10, 2022.

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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY



135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 9/15/22
Time Begin: 11:30
Time End: 15:30
Staff: P. McGuire

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.011
PV-2RR	-0.403
PV-3	-0.014
PV-4R	-0.030
PV-5R	-0.011
PV-6RR	0.000
PV-7RR	inaccessible
PV-8	-0.014
PV-10RR	-0.021
PV-11RR	0.000

SSDS Monitoring Point	Flow Velocity (ft/min)
V-1	2,473
V-2	1,029
V-3	1,458
V-4	1,019
V-5	1,347
V-6	1,744

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	45	no port	
Before lag drum	Gauge PI103 Sample Port	33	2.3	
After lag drum	Gauge PI104 Sample Port	18	2.3	
Ambient Air			0.1	

Is SSDS blower operating: ☒ Yes ☐ No
Is heat exhaust fan operating: ☒ Yes ☐ No
Is Sensaphone operating: ☒ Yes ☐ No
Tampering, vandalism, or damage to
SSDS: Yes ☒ No
Exhaust stack: Yes ☒ No



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: November 10, 2022

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of October 2022.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.
2. Prepared materials in support of the IRM Work Plan.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on October 26, 2022. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. VMPs and suction points are shown on attached Figure 1. The results of the October 26, 2022 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. October 26, 2022 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H₂O)
SSDS Suction Points		
V-1	2,443	--
V-2	1,172	--
V-3	1,345	--
V-4	1,237	--
V-5	1,351	--
V-6	1,856	--
VMPs		
PV-1R	--	-0.010
PV-2RR	--	-0.405
PV-3	--	-0.438
PV-4R	--	-0.029
PV-5R	--	-0.010
PV-6RR	--	-0.188
PV-7RR	--	-0.025
PV-8	--	-0.022
PV-10RR	--	-0.020
PV-11RR	--	0.000

In addition to VMP and suction point monitoring, Integral confirmed that the Sensaphone SSDS alarm system was functional.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral prepared materials for the IRM Work Plan during October 2022. The IRM Work Plan will include plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE) system. Integral and representatives from NYSDEC and NYSDOH met via teleconference on September 14, 2022 to discuss these plans prior to submittal of the IRM Work Plan.

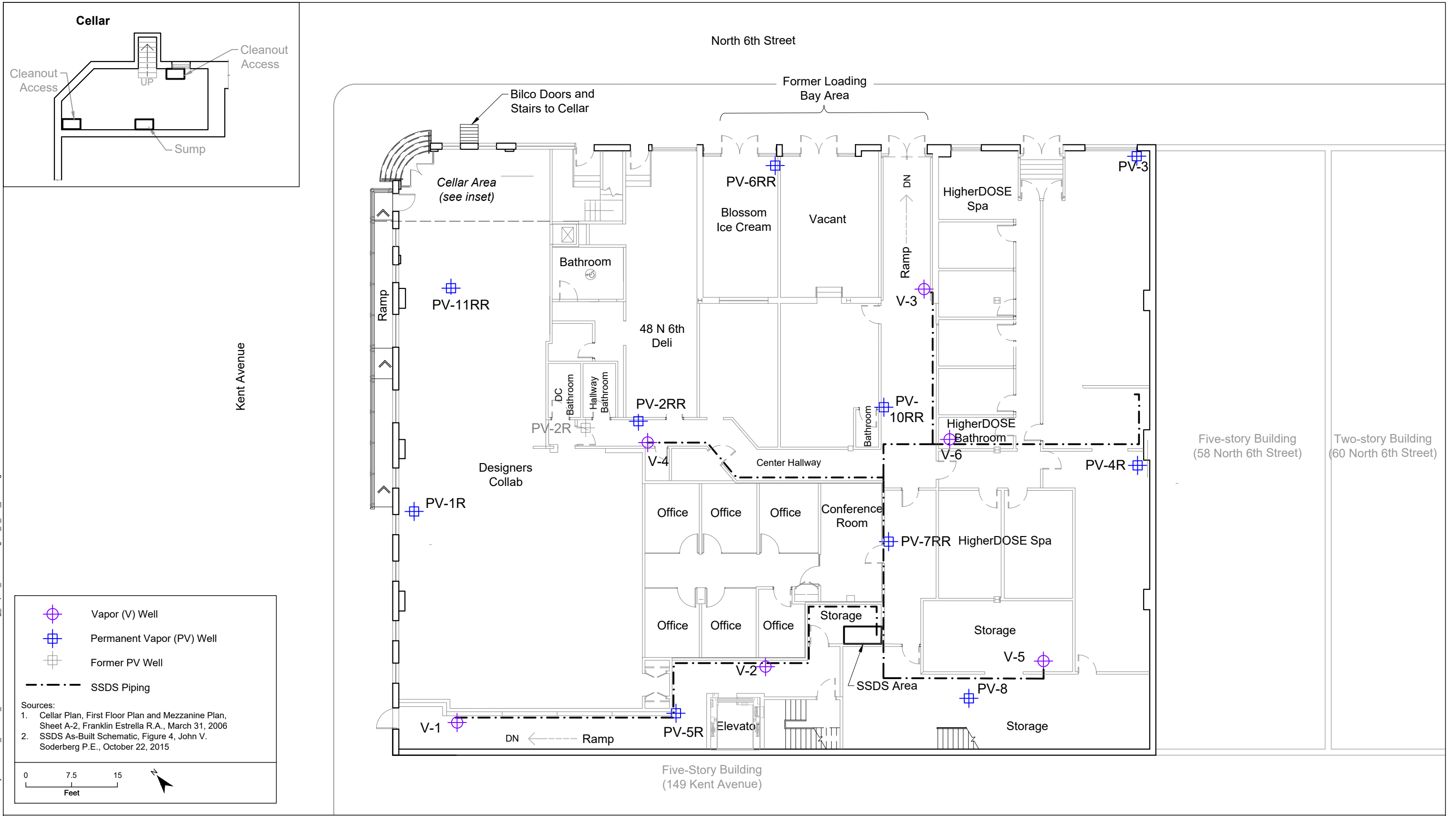
PLANNED ACTIVITIES FOR THE NOVEMBER 2022 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the November 2022 reporting period:

- IRM Work Plan preparation. Integral submitted the IRM Work Plan to NYSDEC and NYSDOH on November 4, 2022.
- Monthly monitoring. The November 2022 monthly monitoring event is planned for November 11, 2022.
- Annual reporting. Integral will continue to prepare an annual report for 135 Kent Avenue.
- Offsite vapor intrusion mitigation. Integral will continue to request information from the consultant for 60 North 6th Street regarding the upgrade of the passive SSDS system.

Additional details regarding November 2022 activities will be provided in the next monitoring report, due December 10, 2022.

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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY



135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 10/26
Time Begin: 1300
Time End: 1530
Staff: P. McGuire & S. Eanes

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.010
PV-2RR	-0.405
PV-3	-0.438
PV-4R	-0.029
PV-5R	-0.010
PV-6RR	-0.188
PV-7RR	-0.025
PV-8	-0.022
PV-10RR	-0.020
PV-11RR	0.000

SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	2443	0°
V-2	1172	45°
V-3	1345	15°
V-4	1237	0°
V-5	1351	45°
V-6	1856	0°

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	45	no port	
Before lag drum	Gauge PI103 Sample Port	32	1.7	
After lag drum	Gauge PI104 Sample Port	19	1.4	
Ambient Air			0.0	

Is SSDS blower operating: ☒ Yes ☐ No
Is heat exhaust fan operating: ☒ Yes ☐ No
Is Sensaphone operating: ☒ Yes ☐ No
Tampering, vandalism, or damage to
SSDS: Yes ☒ No
Exhaust stack: Yes ☒ No



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: December 12, 2022

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of November 2022.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.
2. Submitted the draft Interim Remedial Measures (IRM) Work Plan to NYSDEC.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on November 11, 2022. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. VMPs and suction points are shown on attached Figure 1. The results of the November 11, 2022 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. November 11, 2022 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,023	--
V-2	1,232	--
V-3	1,442	--
V-4	1,658	--
V-5	1,889	--
V-6	2,182	--
VMPs		
PV-1R	--	-0.009
PV-2RR	--	-0.402
PV-3	--	-0.062
PV-4R	--	-0.029
PV-5R	--	-0.011
PV-6RR	--	-0.143
PV-7RR	--	-0.025
PV-8	--	-0.020
PV-10RR	--	-0.021
PV-11RR	--	-0.002

In addition to VMP and suction point monitoring, Integral confirmed that the Sensaphone SSDS alarm system was functional.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral prepared materials for the IRM Work Plan and coordinated planning for the proposed IRM with 135 Kent LLC during November 2022. The IRM Work Plan includes plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE) system. Integral and representatives from NYSDEC and NYSDOH met via teleconference on September 14, 2022 to discuss these plans prior to submittal of the IRM Work Plan. Integral submitted the Draft IRM work plan to NYSDEC on November 4th, 2022.

PLANNED ACTIVITIES FOR THE DECEMBER 2022 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the December 2022 reporting period:

- Proposed Interim Remedial Measure. Integral and 135 Kent LLC discussed the IRM Work Plan with NYSDEC and NYSDOH on December 7, 2022. Per NYSDEC comments, Integral will incorporate the text from the IRM Work Plan into the August 2022 NYSDEC Remedial Action Work Plan template. Integral and 135 Kent LLC will coordinate next steps for the proposed IRM.
- Monthly monitoring. The December 2022 monthly monitoring event and site annual inspection was performed on December 8, 2022.
- Annual reporting. Integral will incorporate the data from the December 2022 monthly monitoring event and site annual inspection into the annual report for 135 Kent Avenue.
- Offsite vapor intrusion mitigation. Integral will request information from the consultant for 60 North 6th Street regarding the upgrade of the passive SSDS system.

Additional details regarding December 2022 activities will be provided in the next monitoring report, due January 10, 2023.

135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: *11/11/2022*
Time Begin: *1307*
Time End: *1540*
Staff: *S. Eanes*

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	<i>-0.009</i>
PV-2RR	<i>-0.402</i>
PV-3	<i>-0.062</i>
PV-4R	<i>-0.029</i>
PV-5R	<i>-0.011</i>
PV-6RR	<i>-0.143</i>
PV-7RR	<i>-0.025</i>
PV-8	<i>-0.020</i>
PV-10RR	<i>-0.021</i>
PV-11RR	<i>-0.002</i>

SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	<i>2023</i>	<i>0</i>
V-2	<i>1232</i>	<i>45</i>
V-3	<i>1442</i>	<i>15</i>
V-4	<i>1658</i>	<i>0</i>
V-5	<i>1889</i>	<i>45</i>
V-6	<i>2182</i>	<i>0</i>

Notes:

weather - raining with low wind
water/moisture observed in V-1 monitoring point port.

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	<i>45</i>	no port	
Before lag drum	Gauge PI103 Sample Port	<i>33</i>	<i>2.2</i>	
After lag drum	Gauge PI104 Sample Port	<i>18</i>	<i>1.8</i>	
Ambient Air			<i>0.1</i>	

Is SSDS blower operating:

☒ Yes No

Is heat exhaust fan operating:

☒ Yes No

Is Sensaphone operating:

☒ Yes No

Tampering, vandalism, or damage to

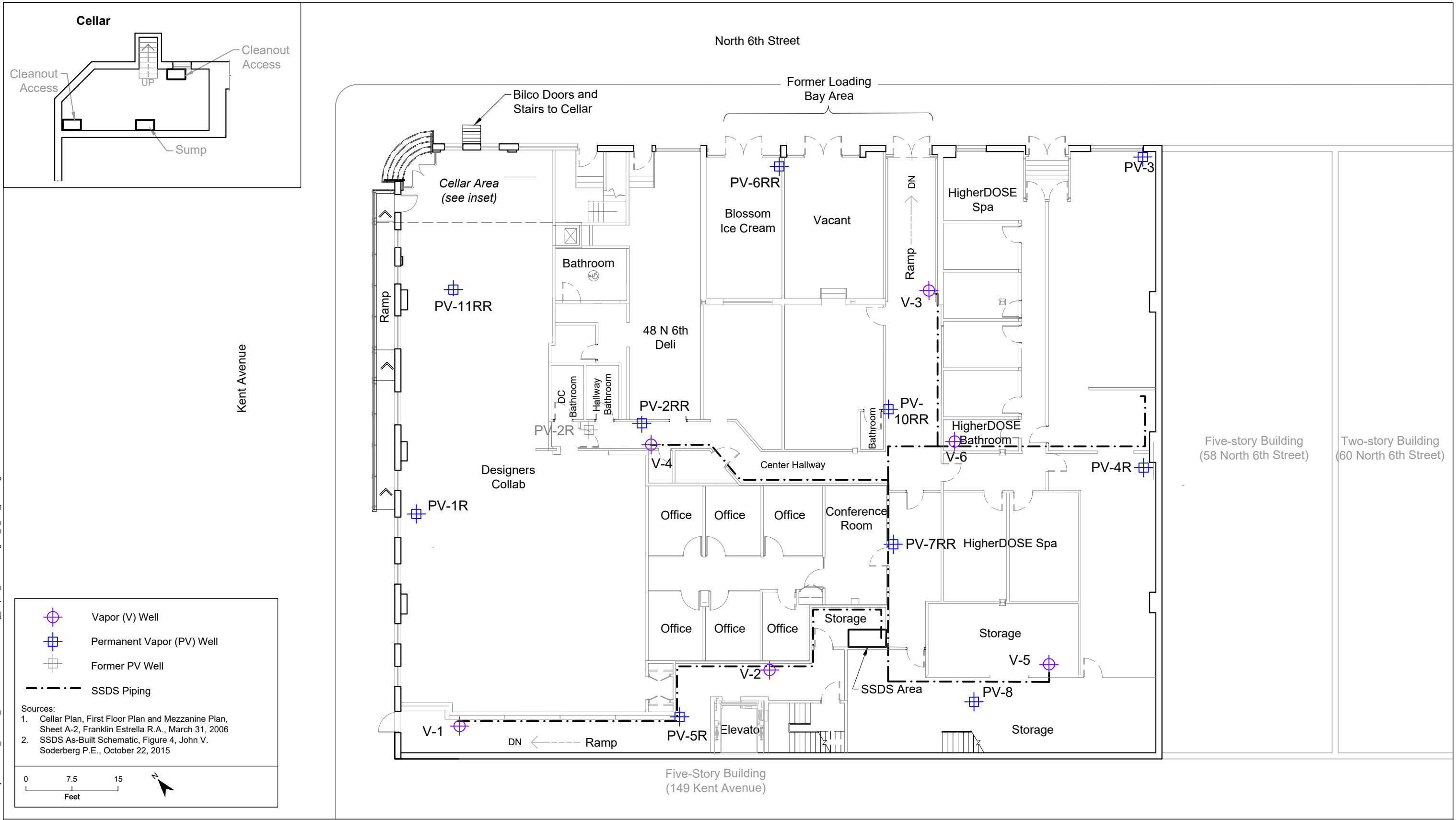
SSDS:

Yes ☒ No

Exhaust stack:

Yes ☒ No

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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY





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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: January 10, 2022

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of December 2022.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.
2. Performed an annual inspection of 135 Kent Avenue interim remedial measures (IRMs) and prepared the annual report.
3. Revised the draft Interim Remedial Measures (IRM) Work Plan per discussion with NYSDEC.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on December 8, 2022. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. VMPs and suction points are shown on attached Figure 1. The results of the December 8, 2022 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. November 11, 2022 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,347	--
V-2	1,197	--
V-3	1,431	--
V-4	1,301	--
V-5	1,494	--
V-6	1,771	--
VMPs		
PV-1R	--	-0.008
PV-2RR	--	-0.420
PV-3	--	-0.019
PV-4R	--	-0.031
PV-5R	--	-0.010
PV-6RR	--	-0.001
PV-7RR	--	-0.004
PV-8	--	-0.018
PV-10RR	--	-0.021
PV-11RR	--	-0.005

135 Kent Avenue Annual Inspection

Integral performed an annual inspection and monthly monitoring for 135 Kent Avenue IRMs on December 8, 2022. In addition to collecting VMP and suction point measurements for monthly SSDS monitoring, Integral performed the following:

- Performed visual inspection of accessible SSDS piping throughout the building
- Leak-tested SSDS piping joints and connections between blower, carbon drums, and exhaust to roof
- Confirmed operation of the RadonAway heat exhaust blower

- Confirmed operation of air filtration units in accessible spaces on the first and second floor
- Reviewed first-floor slab conditions for any breaches/holes
- Reviewed Sensaphone SSSD alarm system functionality and call-out procedure

Integral confirmed that the Sensaphone SSSD alarm system was operating, however the phone line was not active and the alarm system was not able to call out. Building management was notified and is working with Spectrum to reconnect the phone line. The SSSD alarm system phone line had connection issues in 2019 and 2020 and was serviced several times by Verizon; Integral is looking into alternative connection options for the SSSD alarm system.

Except for the SSSD alarm system phone connection noted above, no issues with the SSSD, air filtration units, or slab were identified during the annual inspection. Integral incorporated the data from the December 2022 monthly monitoring event and site annual inspection into the annual report for 135 Kent Avenue. Integral cannot certify the SSSD until the alarm system is fully functional; once the phone line connection is restored Integral will review the system and submit the annual report to NYSDEC.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral prepared materials for the IRM Work Plan and coordinated planning for the proposed IRM with 135 Kent LLC during December 2022. The IRM Work Plan includes plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE) system. Integral submitted the first draft of the IRM Work Plan to NYSDEC on November 4th, 2022. Integral and representatives from NYSDEC and NYSDOH met via teleconference on December 7, 2022 to discuss next steps. Per NYSDEC request during the December 7 teleconference, Integral will prepare the draft IRM Work Plan in the format of the NYSDEC remedial action work plan (RAWP) template and resubmit in January 2023.

PLANNED ACTIVITIES FOR THE JANUARY 2023 REPORTING PERIOD

The SSSD system is currently operating. The following activities are planned for the December 2022 reporting period:

- Proposed Interim Remedial Measure. Integral will revise the draft IRM Work Plan in the format of the NYSDEC RAWP template and resubmit in January 2023.
- Monthly monitoring. The January 2023 monthly monitoring event is scheduled for the week of January 16th, 2023.

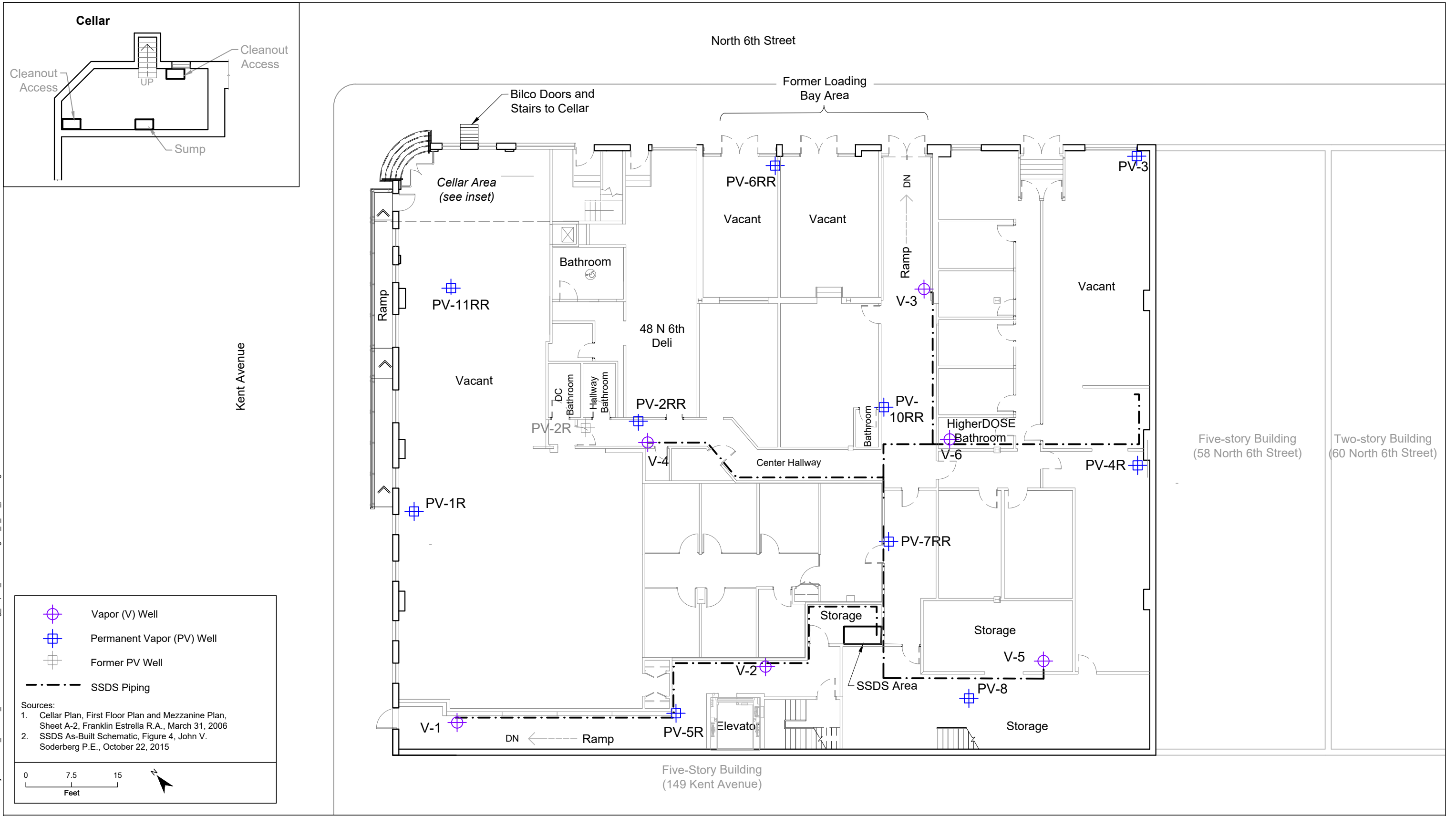
- Annual reporting. Integral is working with 135 Kent Avenue building management to reconnect the phone line for the Sensaphone SSDS alarm system; once the alarm system phone line is reconnected and the alarm system is fully functional, Integral will provide the annual certification.
- Offsite vapor intrusion mitigation.

Integral is discussing the schedule for installation of an SSDS with building management for 58 North 6th Street. Integral requested clarification from NYSDEC on January 9, 2023 regarding the review requirements for the SSDS pilot test work plan and SSDS design.

Integral will request information from the consultant for 60 North 6th Street regarding the upgrade of the passive SSDS system.

Additional details regarding January 2023 activities will be provided in the next monitoring report, due February 10, 2023.

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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY



135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 12/8/22
 Time Begin: 1000
 Time End: 1230
 Staff: S. Eanes & P. McGuire

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.008
PV-2RR	-0.420
PV-3	-0.019
PV-4R	-0.031
PV-5R	-0.010
PV-6RR	-0.001
PV-7RR	-0.004
PV-8	-0.018
PV-10RR	-0.021
PV-11RR	-0.005

SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	2374	0
V-2	1197	45
V-3	1431	15
V-4	1301	0
V-5	1494	45
V-6	1771	0

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	46	no port	
Before lag drum	Gauge PI103 Sample Port	33	1.8	
After lag drum	Gauge PI104 Sample Port	19	2.6	
Ambient Air			0.1	

Is SSDS blower operating: ☒ Yes ☐ No
 Is heat exhaust fan operating: ☒ Yes ☐ No
 Is Sensaphone operating: Yes ☒ No
 Tampering, vandalism, or damage to
 SSDS: Yes ☒ No
 Exhaust stack: Yes ☒ No



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: February 10, 2023

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of January 2023.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Performed follow-up activities for the annual inspection of 135 Kent Avenue interim remedial measures (IRMs) and prepared the annual report.
2. Prepared the interim remedial measure work plan (IRM Work Plan) and presented the proposed interim remedial measures to the NYC District 33 representative.
3. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue Annual Inspection

Integral performed an annual inspection and monthly monitoring for 135 Kent Avenue IRMs on December 8, 2022. Integral confirmed that the Sensaphone SSDS alarm system was operating, however the phone line was not active and the alarm system was not able to call out. Building management was notified a new connection was installed. Integral visited the building on January 17, 2023 and reconnected the SSDS alarm system. Integral incorporated the data from the December 2022 monthly monitoring event and site annual inspection into the annual report for 135 Kent Avenue.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs on January 31, 2023. The pitot tube used to measure airflow velocity from SSDS suction points was not functional; Integral obtained a new pitot tube and returned to the building to complete monthly monitoring on February 3, 2023. VMPs and suction points are shown on attached Figure 1. The results of the January 31/February 3, 2023 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. January 31 and February 3, 2023 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,031	--
V-2	1,328	--
V-3	1,100	--
V-4	1,925	--
V-5	1,195	--
V-6	1,416	--
VMPs		
PV-1R	--	-0.004
PV-2RR	--	-0.401
PV-3	--	-0.231
PV-4R	--	-0.028
PV-5R	--	-0.008
PV-6RR	--	+0.005
PV-7RR	--	-0.017
PV-8	--	-0.016
PV-10RR	--	-0.021
PV-11RR	--	+0.007

Positive pressure readings were observed in VMPs PV-6RR and PV-11RR; readings from these locations fluctuated throughout the monitoring event. These points may require re-installation if connection issues continue.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral prepared materials for the IRM Work Plan and coordinated planning for the proposed IRM with 135 Kent LLC during January 2023. The IRM Work Plan includes plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE) system. Integral submitted the first draft of the IRM Work Plan to NYSDEC on November 4, 2022. Integral and representatives from NYSDEC met via teleconference on December 7, 2022 to discuss next steps. Per NYSDEC request during the December 7 teleconference, Integral will prepare the draft IRM Work Plan in the format of the NYSDEC remedial action work plan (RAWP) template and resubmit in February 2023.

On January 30, 2023, Integral, NYSDEC, and representatives from 135 Kent LLC met with Mr. Lincoln Restler, New York City Council for the 33rd district, to provide an overview of proposed remedial measures and discuss tenant communications and protections. Mr. Restler requested updates regarding the IRM Work Plan comment period and project schedule, and may request a tenant meeting prior to the comment period.

PLANNED ACTIVITIES FOR THE FEBRUARY 2023 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the February 2023 reporting period:

- Proposed Interim Remedial Measure. Integral will revise the draft IRM Work Plan in the format of the NYSDEC RAWP template and resubmit in February 2023.
- Monthly monitoring. The February 2023 monthly monitoring event is scheduled for the week of February 20th, 2023.
- Annual reporting. Integral is finalizing the 2022 annual certification for 135 Kent Avenue and will submit to NYDSEC for review.
- Offsite vapor intrusion mitigation.

Integral is discussing the schedule for installation of an SSDS with building management for 58 North 6th Street. Integral requested clarification from NYSDEC on January 9, 2023 regarding the review requirements for the SSDS pilot test work plan and SSDS design.

Integral will request information from the consultant for 60 North 6th Street regarding the upgrade of the passive SSDS system.

Additional details regarding February 2023 activities will be provided in the next monitoring report, due March 10, 2023.

135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 1/31/2023, 2/3/2023
Time Begin: 14:30
Time End: 17:30
Staff: P. McGuire

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.004
PV-2RR	-0.401
PV-3	-0.231
PV-4R	-0.028
PV-5R	-0.008
PV-6RR	+0.005
PV-7RR	-0.017
PV-8	-0.016
PV-10RR	-0.021
PV-11RR	+0.007

SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	2031	0
V-2	1328	45
V-3	1100	15
V-4	1925	0
V-5	1195	45
V-6	1416	0

Notes:

Pitot tube to measure velocity not functioning on 1/31/2023, revisited site with new pitot tube on 2/3/2023 to collect SSDS Monitoring Point Velocities

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	43	no port	
Before lag drum	Gauge PI103 Sample Port	32	2.9	
After lag drum	Gauge PI104 Sample Port	19	4.0	
Ambient Air			0.0	

Is SSDS blower operating:

☒ Yes

No

Is heat exhaust fan operating:

☒ Yes

No

Is Sensaphone operating:

☒ Yes

No

Tampering, vandalism, or damage to

SSDS:

Yes

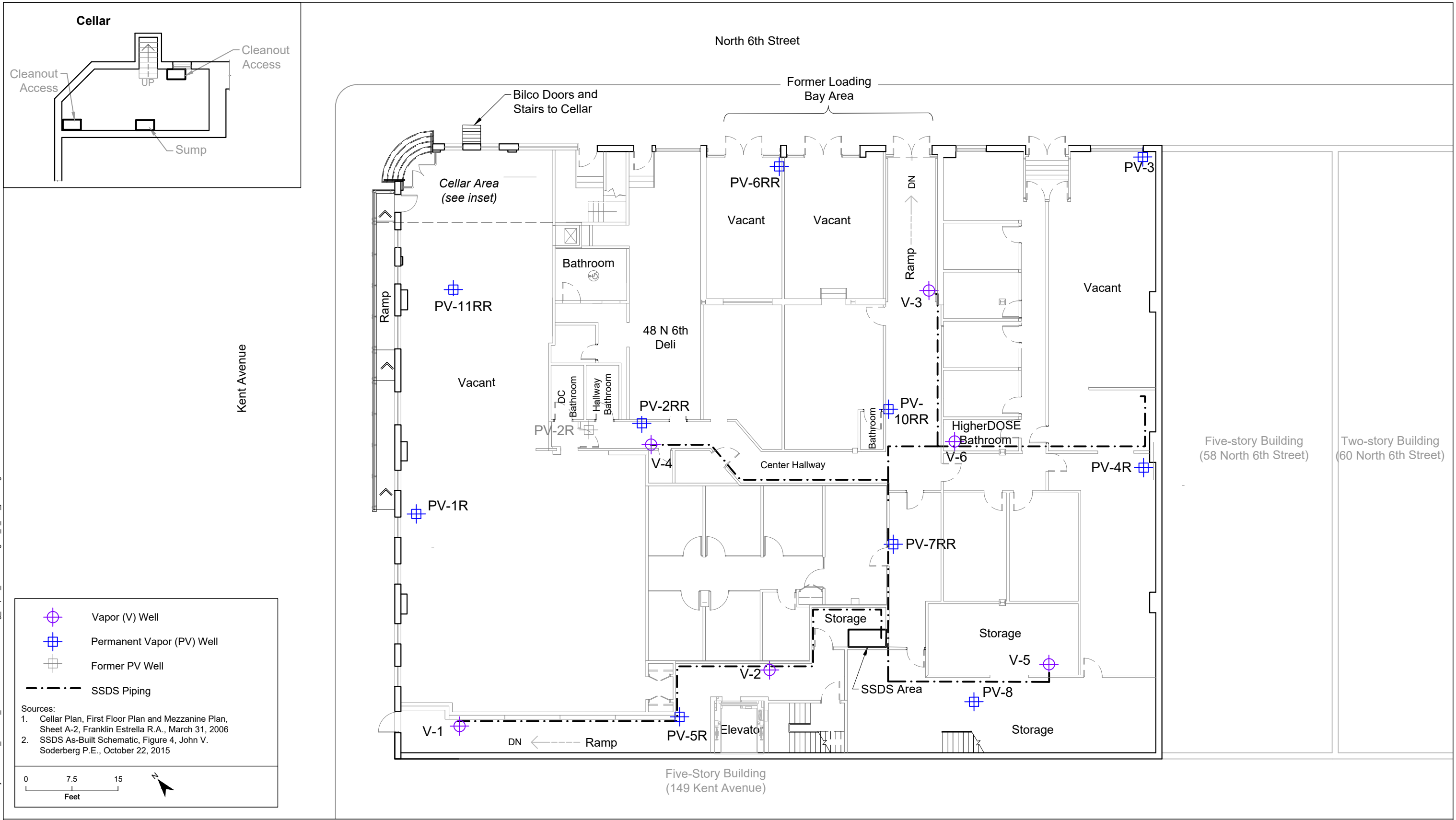
☒ No

Exhaust stack:

Yes

☒ No

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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY





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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: March 10, 2023

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of February 2023.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Performed air filtration unit maintenance coordination and provided additional air monitoring units to two residential apartments.
2. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.
3. Prepared revisions to the Interim Remedial Measures Work Plan (IRM WP).
4. Coordinated next steps for installation of an SSDS at 58 North 6th Street and requested information regarding the upgrade of the 60 North 6th Street passive system to an active one.

Additional information regarding these actions is provided in the following sections.

Air Filtration Unit Placement and Maintenance

Integral coordinated air filtration unit maintenance and provided additional air filtration units to two residential apartments in February 2023. The air filtration units throughout the building require carbon filter changeout in spring 2023. Integral identified the equipment and filter needs for the air filtration units and coordinated with building management. Integral will notify NYSDEC when the changeout is scheduled.

Following review of March 2022 indoor air results, NYSDOH required installation of an additional air filtration unit in two residential apartments, C-3 and C-9. Integral provided one additional air filtration unit to each of those apartments on February 28, 2023.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs on February 28, 2023. VMPs and suction points are shown on attached Figure 1. The results of the February 28, 2023 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. February 28, 2023 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,118	--
V-2	1,299	--
V-3	1,315	--
V-4	2,188	--
V-5	1,383	--
V-6	2,064	--
VMPs		
PV-1R	--	-0.005
PV-2RR	--	-0.375
PV-3	--	-0.051
PV-4R	--	-0.027
PV-5R	--	-0.009
PV-6RR	--	+0.007
PV-7RR	--	-0.004
PV-8	--	-0.018
PV-10RR	--	-0.021
PV-11RR	--	+0.006

A positive pressure reading was observed in VMPs PV-6RR and PV-11RR; readings from these locations fluctuated throughout the monitoring event. Integral will adjust SSDS flow and retest during the March 2023 monitoring event.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral prepared materials for the IRM Work Plan and coordinated planning for the proposed IRM with 135 Kent LLC during February 2023. The IRM Work Plan includes plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE) system. Integral submitted the first draft of the IRM Work Plan to NYSDEC on November 4, 2022. Per NYSDEC request during the December 7 teleconference, Integral will prepare the draft IRM Work Plan in the format of the NYSDEC remedial action work plan (RAWP) template and resubmit in March 2023.

Offsite Vapor Intrusion Mitigation

Integral coordinated SSDS pilot testing, design, and installation at 58 North 6th Street in February 2023. Integral will have a meeting with representatives from 58 North 6th Street on March 13, 2023 to discuss the schedule for planned renovations and SSDS pilot testing and installation.

Integral was informed in February 2023 by representatives from 60 North 6th Street that the passive SSDS had been updated to an active system in fall 2022. Integral has requested additional details regarding the 60 North updated system.

Integral will provide further information regarding these properties in the March 2023 monitoring report.

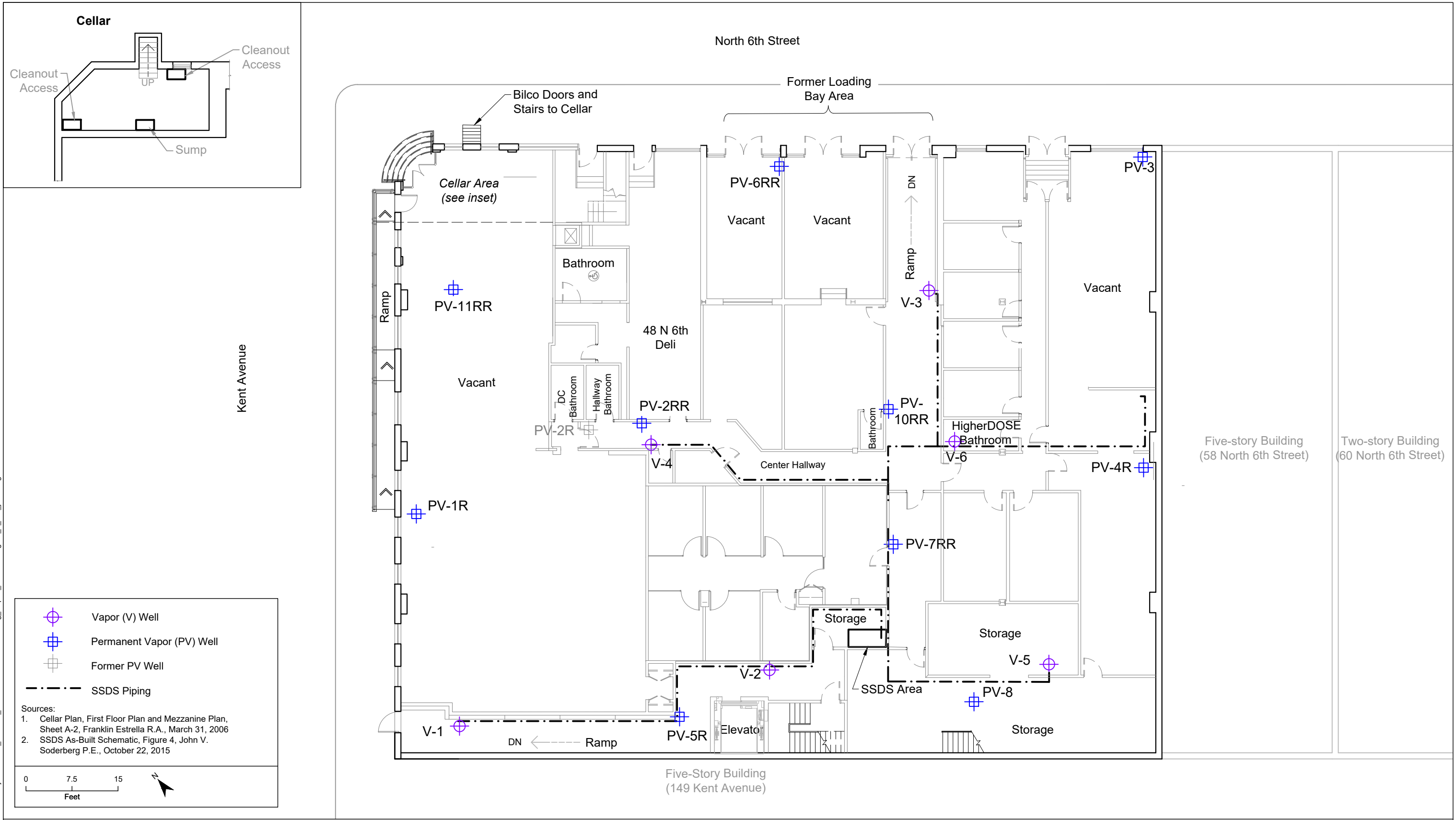
PLANNED ACTIVITIES FOR THE MARCH 2023 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the March 2023 reporting period:

- Air sampling. NYSDEC notified representatives for 135 Kent LLC on March 8, 2023 that indoor air sampling is required in March 2023.
- Proposed Interim Remedial Measure. Integral will revise the draft IRM Work Plan in the format of the NYSDEC RAWP template and resubmit in March 2023.
- Monthly monitoring. The March 2023 monthly monitoring event is scheduled for the week of March 20th, 2023.
- Annual reporting. Integral is finalizing the 2022 annual certification for 135 Kent Avenue and will submit to NYDSEC for review.
- Offsite vapor intrusion mitigation. Integral is discussing the schedule for installation of an SSDS with building management for 58 North 6th Street on March 13, 2023.

Additional details regarding March 2023 activities will be provided in the next monitoring report, due April 10, 2023.

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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY



135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 2/28/2023
Time Begin: 0930
Time End: 1230
Staff: S Eanes

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.005
PV-2RR	-0.375
PV-3	-0.051
PV-4R	-0.027
PV-5R	-0.009
PV-6RR	+0.007
PV-7RR	-0.004
PV-8	-0.018
PV-10RR	-0.021
PV-11RR	+0.006

SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	2118	0
V-2	1299	45
V-3	1315	15
V-4	2188	0
V-5	1383	45
V-6	2064	0

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	44	no port	
Before lag drum	Gauge PI103 Sample Port	32	2.1	
After lag drum	Gauge PI104 Sample Port	18	1.9	
Ambient Air		—	0.0	

Is SSDS blower operating:

Yes No

Is heat exhaust fan operating:

Yes No

Is Sensaphone operating:

Yes No

Tampering, vandalism, or damage to

SSDS:

Yes No

Exhaust stack:

Yes No



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: April 10, 2023

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of March 2023.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Performed air filtration unit maintenance coordination.
2. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.
3. Performed air sampling at 135 Kent Avenue.
4. Prepared revisions to the Interim Remedial Measures Work Plan (IRM WP).
5. Coordinated next steps for installation of an SSDS at 58 North 6th Street and requested information regarding the upgrade of the 60 North 6th Street passive system to an active one.

Additional information regarding these actions is provided in the following sections.

Air Filtration Unit Placement and Maintenance

Integral coordinated air filtration unit maintenance and provided additional air filtration units to two residential apartments in March 2023. The air filtration units throughout the building require carbon filter changeout in spring 2023. Integral identified the equipment and filter needs for the air filtration units during the indoor air sampling event and coordinated with building management. Integral will notify NYSDEC when the changeout is scheduled.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs on March 30, 2023. The results of the March 30, 2023 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. March 30, 2023 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,277	--
V-2	1,505	--
V-3	1,253	--
V-4	2,135	--
V-5	1,588	--
V-6	1,813	--
VMPs		
PV-1R	--	-0.008
PV-2RR	--	-0.391
PV-3	--	-0.007
PV-4R	--	-0.028
PV-5R	--	-0.009
PV-6RR	--	+0.004
PV-7RR	--	-0.019
PV-8	--	-0.022
PV-10RR	--	-0.019
PV-11RR	--	+0.007

A positive pressure reading was observed in VMPs PV-6RR and PV-11RR; readings from these locations fluctuated throughout the monitoring event. Integral will adjust SSDS flow and retest during the April 2023 monitoring event.

135 Kent Avenue Indoor Air Sampling

Integral performed indoor air sampling at 135 Kent Avenue from March 29-30, 2023. Integral proposed first floor indoor air sample locations to NYSDEC on March 22, 2023; NYSDEC

indicated they did not have objections to the proposed locations on March 28, 2023. All second floor apartments were accessible for sampling during the March 2023 indoor air sampling event. Integral collected air samples from the following spaces:

Table 2. March 29-30, 2023 135 Kent Avenue Air Sample Summary

Location (Sample Location ID)	Samples Collected	Duration
Outdoor (sidewalk) (OA23-01)	1	8-hr
Outdoor (sidewalk) (OA23-02)	1	24-hr
Cellar (IA23-06)	1	8-hr
First Floor		
Former HigherDOSE (IA23-01)	1	8-hr
Bathroom in center hallway (IA23-04)	1	8-hr
Former Designers Collab (IA23-05)	1	8-hr
SSDS room (IA23-02)	1	8-hr
Hallway near elevator (IA23-03)	1	8-hr
Second Floor		
Apt. C-2 (IA23-11)	1	24-hr
Apt. C-3 (IA23-12)	1	24-hr
Apt. C-4 (IA23-13)	1	24-hr
Apt. C-5 (IA23-14)	1	24-hr
Apt. C-6 (IA23-15)	1	24-hr
Apt. C-7 (IA23-16)	1	24-hr
Apt. C-8 (IA23-17)	1	24-hr
Apt. C-9/C-10 (IA23-18)	1	24-hr
Apt. C-11 (IA23-19)	1	24-hr
Center hallway (IA23-10)	1	8-hr
Hallway near elevator (IA23-09, IA23-DUP1)	2	8-hr

Note: There is not an Apartment C-1.

Samples were collected in accordance with the August 10, 2021 Indoor Air Sampling Work Plan (hereafter referred to as “Work Plan”), approved by NYSDEC on August 25, 2021. Samples were sent to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program-certified analytical laboratory for chemical analysis by United States Environmental Protection Agency (USEPA) Method TO-15 for analysis of volatile organic compounds (VOCs) on a standard turnaround time. Per the Work Plan, the following five compounds will be analyzed by EPA Method TO-15 SIM to meet a laboratory reporting limit of 0.20 micrograms per cubic meter: or less: trichloroethene, cis 1,2-dichloroethene, 1,1-dichloroethene, carbon tetrachloride, and vinyl chloride.

Integral will provide laboratory results to NYSDEC and NYSDOH for review. In addition, Integral will prepare tenant notification letters presenting the air sampling results and will provide a draft of those letters for NYSDEC and NYSDOH review and comment.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral prepared materials for the IRM Work Plan and coordinated planning for the proposed IRM with 135 Kent LLC during March 2023. The IRM Work Plan includes plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE) system. Integral submitted the first draft of the IRM Work Plan to NYSDEC on November 4, 2022. Per NYSDEC request, Integral prepared the draft IRM Work Plan in the format of the NYSDEC remedial action work plan (RAWP) template and resubmitted the document on April 4, 2023.

Offsite Vapor Intrusion Mitigation

Integral coordinated SSDS pilot testing, design, and installation at 58 North 6th Street in March 2023. Integral held a meeting with representatives from 58 North 6th Street on March 13, 2023 to discuss the schedule for planned renovations and SSDS pilot testing and installation.

Integral was informed in February 2023 by representatives from 60 North 6th Street that the passive SSDS had been updated to an active system in fall 2022. Integral requested additional information regarding the updated system; the environmental consultant for 60 North 6th Street provided the active SSDS as-built drawings and the most recent vacuum readings collected from the VMPs to Integral and NYSDEC on March 20, 2023.

Integral will provide further information regarding these properties in the April 2023 monitoring report.

PLANNED ACTIVITIES FOR THE APRIL 2023 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the April 2023 reporting period:

- Proposed Interim Remedial Measure. Integral revised the draft IRM Work Plan in the format of the NYSDEC RAWP template and resubmitted the document on April 4, 2023.
- Monthly monitoring. The April 2023 monthly monitoring event is scheduled for the week of April 24th, 2023.
- Annual reporting. Integral is finalizing the 2022 annual certification for 135 Kent Avenue and will submit to NYDSEC for review.
- Offsite vapor intrusion mitigation. Integral is discussing the schedule for installation of an SSDS with building management for 58 North 6th Street.

Additional details regarding April 2023 activities will be provided in the next monitoring report, due May 10, 2023.



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: May 10, 2023

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of April 2023.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Performed air filtration unit maintenance coordination.
2. Reviewed preliminary indoor air results and provided a data summary to 135 Kent LLC, NYSDEC, and NYSDOH.
3. Submitted the revised Interim Remedial Measures Work Plan (IRM WP) and prepared revisions to the IRM WP per NYSDEC and NYSDOH comments.
4. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.

Additional information regarding these actions is provided in the following sections.

Air Filtration Unit Placement and Maintenance

The air filtration units in 135 Kent Avenue and 58 North 6th Street require carbon filter changeout in spring 2023. Integral identified the equipment and filter needs for the air filtration units and coordinated with building management. Integral will notify NYSDEC when the changeout is scheduled.

Indoor Air Sampling

Integral performed indoor air sampling throughout 135 Kent Avenue from March 29 and 30, 2023. Indoor air sampling data are undergoing validation. Integral provided 135 Kent LLC, NYSDEC, and NYSDOH with a data summary of the preliminary 2023 indoor air data on April 28, 2023. No exceedances of NYSDOH air guidance values were observed in any sample collected from a tenant-occupied space.

Following validation of the indoor air data, Integral will prepare draft tenant notification letters for NYSDEC and NYDSOH review.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral prepared materials for the IRM Work Plan and coordinated planning for the proposed IRM with 135 Kent LLC during May 2023. The IRM Work Plan includes plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE) system. Integral submitted the first draft of the IRM Work Plan to NYSDEC on November 4, 2022. Per NYSDEC request during the December 7 teleconference, Integral will prepare the draft IRM Work Plan in the format of the NYSDEC remedial action work plan (RAWP) template and resubmitted the document on April 4, 2023. NYSDEC provided comments to the document on April 13, 2023; NYSDOH provided comments on April 14, 2023. Integral anticipates resubmitting the revised document on May 12, 2023.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs on April 28, 2023. VMPs and suction points are shown on attached Figure 1. The results of the April 28, 2023 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. April 28, 2023 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H₂O)
SSDS Suction Points		
V-1	2,268	--
V-2	1,260	--
V-3	1,413	--
V-4	2,009	--
V-5	1,425	--
V-6	2,008	--
VMPs		
PV-1R	--	-0.009
PV-2RR	--	-0.402
PV-3	--	-0.130
PV-4R	--	-0.029
PV-5R	--	-0.009
PV-6RR	--	0.000
PV-7RR	--	-0.023
PV-8	--	-0.022
PV-10RR	--	-0.022
PV-11RR	--	+0.005

A positive pressure reading was observed in VMP PV-11RR and a pressure reading of zero was observed in VMP PV-6RR. Readings from VMP PV-3 fluctuated throughout the monitoring event. Integral will adjust SSDS flow and retest during the May 2023 monitoring event.

PLANNED ACTIVITIES FOR THE MAY 2023 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the May 2023 reporting period:

- Tenant notification letters. Integral will prepare draft tenant notification letters presenting the March 2023 indoor air sampling data for NYSDEC and NYSDOH review and comment.
- Proposed Interim Remedial Measure. Integral will revise the draft IRM Work Plan per NYSDEC and NYSDOH comments and resubmit in May 2023.
- Monthly monitoring. The May 2023 monthly monitoring event is scheduled for the week of May 29, 2023.
- Vapor intrusion mitigation. Integral is coordinating changeout of carbon filters in air filtration units in 135 Kent Avenue and 58 North 6th Street, and discussing the schedule for installation of an SSDS with building management for 58 North 6th Street.

Monthly Progress Report, NYSDEC Site #C224177

May 10, 2023

Page 4 of 4

Additional details regarding May 2023 activities will be provided in the next monitoring report, due June 10, 2023.

135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 4/28/23
Time Begin: 11:30
Time End: 3:00
Staff: DM

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.009
PV-2RR	-0.402
PV-3	-0.130
PV-4R	-0.029
PV-5R	-0.009
PV-6RR	0.000
PV-7RR	-0.023
PV-8	-0.022
PV-10RR	-0.022
PV-11RR	+0.005

SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	2268	0
V-2	1260	45
V-3	1413	15
V-4	2009	0
V-5	1425	45
V-6	2008	0

Notes: PV-3 fluctuated between -0.130 & ~ -0.1

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	46	no port	
Before lag drum	Gauge PI103 Sample Port	33	1.8	
After lag drum	Gauge PI104 Sample Port	19	1.9	
Ambient Air		-	0.0	

Is SSDS blower operating:

Yes No

Is heat exhaust fan operating:

Yes No

Is Sensaphone operating:

Yes No

Tampering, vandalism, or damage to

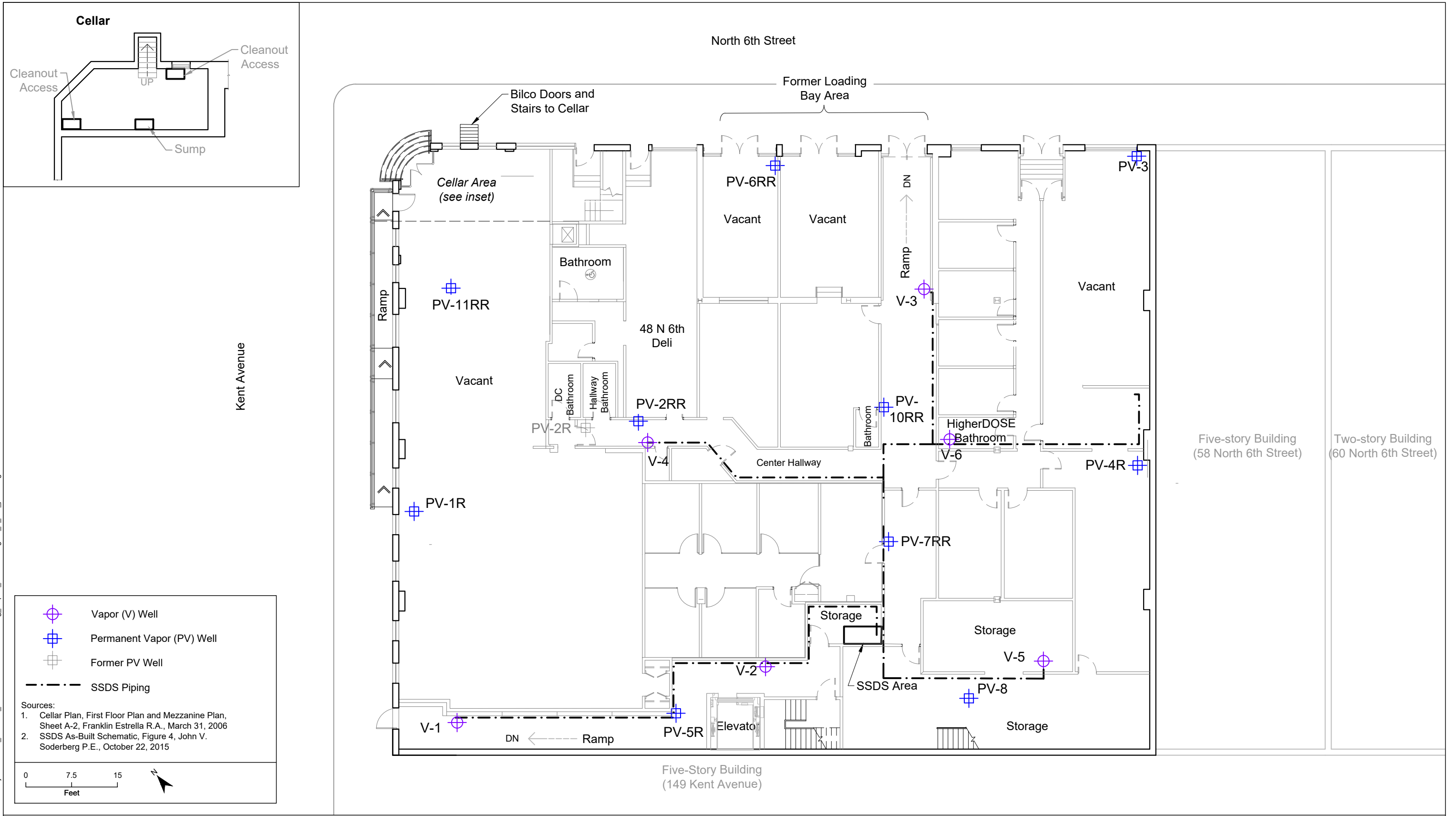
SSDS:

Yes No

Exhaust stack:

Yes No

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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY





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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: June 12, 2023

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of May 2023.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Performed air filtration unit maintenance coordination.
2. Coordinated data validation of indoor air results and provided a data summary to 135 Kent LLC, NYSDEC, and NYSDOH.
3. Revised and resubmitted the Interim Remedial Measures Work Plan (IRM WP) per NYSDEC and NYSDOH comments, and coordinated a building residential tenant meeting.
4. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.

Additional information regarding these actions is provided in the following sections.

Air Filtration Unit Placement and Maintenance

The air filtration units in 135 Kent Avenue and 58 North 6th Street require carbon filter changeout in spring 2023. Integral identified the equipment and filter needs for the air filtration units and coordinated with building management. Integral will notify NYSDEC when the changeout is scheduled.

Indoor Air Sampling

Integral performed indoor air sampling throughout 135 Kent Avenue from March 29 and 30, 2023. Indoor air sampling data are undergoing validation. Integral provided 135 Kent LLC, NYSDEC, and NYSDOH with a data summary of the preliminary 2023 indoor air data on April 28, 2023. No exceedances of NYSDOH air guidance values were observed in any sample collected from a tenant-occupied space.

Following validation of the indoor air data, Integral will prepare draft tenant notification letters for NYSDEC and NYSDOH review.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral prepared materials for the IRM Work Plan and coordinated planning for the proposed IRM with 135 Kent LLC during May 2023. The IRM Work Plan includes plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE) system. Integral submitted the first draft of the IRM Work Plan to NYSDEC on November 4, 2022. Per NYSDEC request during the December 7 teleconference, Integral prepared the draft IRM Work Plan in the format of the NYSDEC remedial action work plan (RAWP) template and resubmitted the document on April 4, 2023.

NYSDEC provided comments to the document on April 13, 2023; NYSDOH provided comments on April 14, 2023. Integral revised the IRM Work Plan per NYSDEC and NYSDOH comments and submitted the revised IRM Work Plan on May 12, 2023.

Integral, 135 Kent LLC, NYSDEC, and NYSDOH met via teleconference on May 16, 2023 to discuss logistics for a meeting to present the proposed IRM to the Site building's residential tenants. The residential tenant meeting was held on June 1, 2023. Details regarding the June 1, 2023 tenant meeting will be included in the June monthly progress report.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs on May 16, 2023. VMPs and suction points are shown on attached Figure 1. The results of the May 16, 2023 monitoring event for all

SSDS suction points and VMPs are presented in Table 1 below.

Table 1. May 16, 2023 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H₂O)
SSDS Suction Points		
V-1	2,253	--
V-2	1,209	--
V-3	1,368	--
V-4	1,944	--
V-5	1,399	--
V-6	1,829	--
VMPs		
PV-1R	--	-0.012
PV-2RR	--	-0.396
PV-3	--	-0.049
PV-4R	--	-0.031
PV-5R	--	-0.008
PV-6RR	--	-0.002*
PV-7RR	--	-0.029
PV-8	--	-0.023
PV-10RR	--	-0.022
PV-11RR	--	-0.002

*Measurement performed on June 1, 2023

VMP PV-6RR was inaccessible during the May 16, 2023 monitoring event; Integral returned to the Site to perform the measurement on June 1, 2023.

PLANNED ACTIVITIES FOR THE JUNE 2023 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the June 2023 reporting period:

- Indoor air sampling. Integral will prepare draft tenant notification letters presenting the March 2023 indoor air sampling data for NYSDEC and NYSDOH review and comment.
- Proposed Interim Remedial Measure

Integral, 135 Kent LLC, NYSDEC, and NYSDOH held a meeting on June 1, 2023 with building residential tenants to discuss the proposed IRM.

Integral delivered a copy of the draft IRM Work Plan to the document repositories on June 1, 2023.

The comment period for the proposed IRM began on June 7, 2023.

The fact sheet for the proposed IRM was issued on June 7, 2023 and mailed to all recipients indicated on the Site contact list provided by NYSDEC.

Integral will revise the draft IRM Work Plan per NYSDEC and NYSDOH comments for submittal in July 2023.

- Monthly monitoring. The June 2023 monthly monitoring event is scheduled for the week of June 12, 2023.
- Annual reporting. Integral is finalizing the 2022 annual certification for 135 Kent Avenue and will submit to NYDSEC for review.
- Vapor intrusion mitigation

Integral performed changeout and maintenance of the 58 North 6th Street air filtration units on June 1, 2023. Integral is discussing the schedule for pilot testing and installation of an SSDS with building management for 58 North 6th Street.

Integral is coordinating changeout of carbon filters in air filtration units in 135 Kent Avenue for June 2023.

Additional details regarding June 2023 activities will be provided in the next monitoring report, due July 10, 2023.

135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 5/16/2023
Time Begin: 11:00 a.m.
Time End: 1:35 p.m.
Staff: D. Morales

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.012
PV-2RR	-0.396
PV-3	-0.049
PV-4R	-0.031
PV-5R	-0.008
PV-6RR	-0.002*
PV-7RR	-0.029
PV-8	-0.023
PV-10RR	-0.022
PV-11RR	-0.002

SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	2,253	0°
V-2	1,209	45°
V-3	1,368	15°
V-4	1,944	0°
V-5	1,399	45°
V-6	1,829	0°

Notes:

*PV-6RR inaccessible on 5/16/2023, measured on 6/1/2023.

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	44	no port	
Before lag drum	Gauge PI103 Sample Port	33	2.8	
After lag drum	Gauge PI104 Sample Port	18	2.5	
Ambient Air		--	0.0	

Is SSDS blower operating:

Yes No

Is heat exhaust fan operating:

Yes No

Is Sensaphone operating:

Yes No

Tampering, vandalism, or damage to

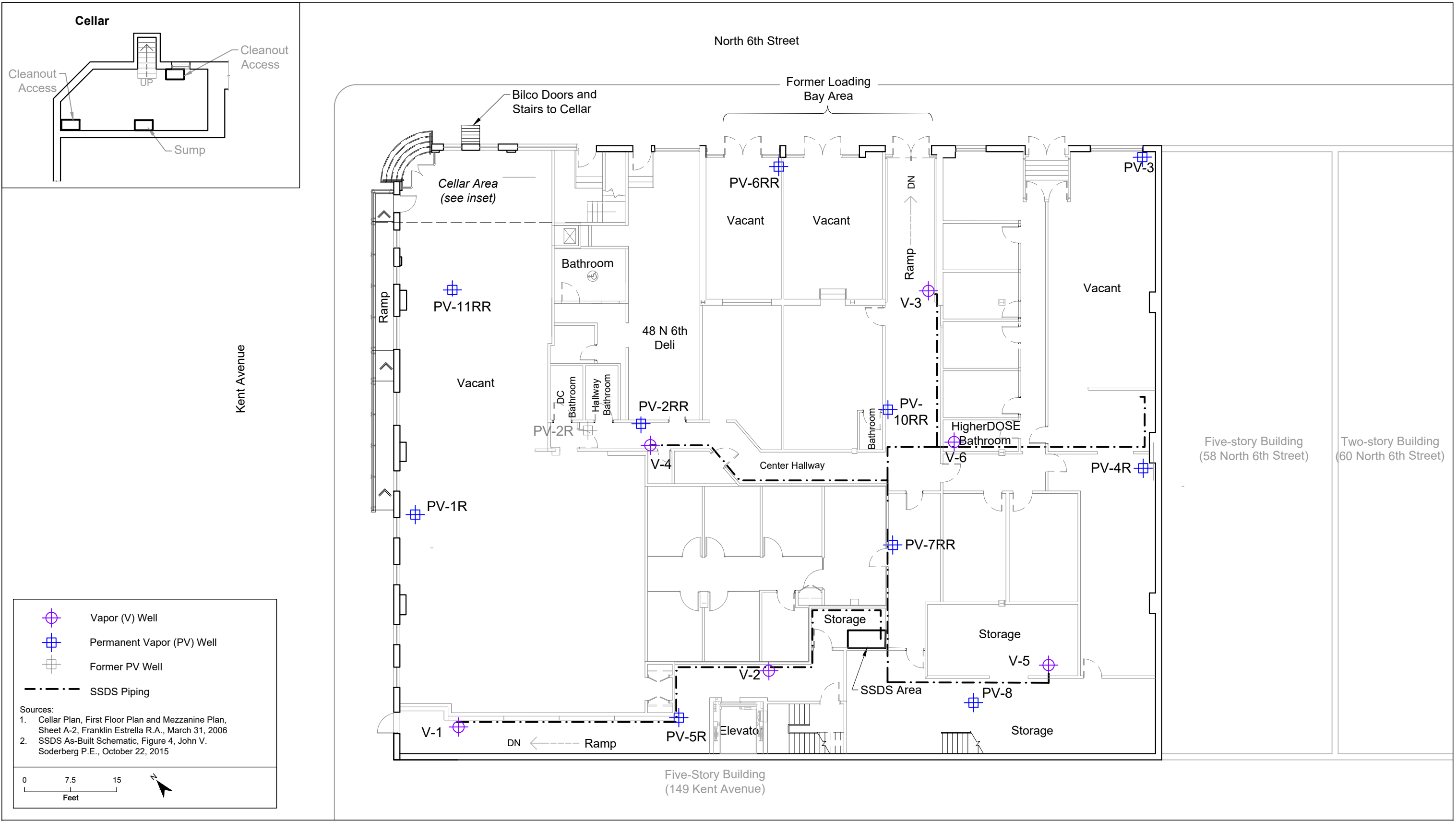
SSDS:

Yes No

Exhaust stack:

Yes No

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Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY





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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: July 10, 2023

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of June 2023.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Performed activities to prepare for the proposed interim remedial measure (IRM): conducted a building residential tenant meeting, issued the IRM Work Plan fact sheet and document to document repositories, and began revisions per NYSDEC and New York State Department of Health (NYSDOH) comments.
2. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.
3. Performed a walkthrough of 58 North 6th Street to plan for future SSDS installation.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral prepared materials for the IRM Work Plan and coordinated planning for the proposed IRM with 135 Kent LLC during June 2023. The IRM Work Plan includes plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE) system. Integral submitted the first draft of the IRM Work Plan to NYSDEC on November 4, 2022. Per NYSDEC request during the December 7 teleconference, Integral prepared the draft IRM Work Plan in the format of the NYSDEC remedial action work plan (RAWP) template and resubmitted the document on April 4, 2023.

NYSDEC provided comments to the document on April 13, 2023; NYSDOH provided comments on April 14, 2023. Integral revised the IRM Work Plan per NYSDEC and NYSDOH comments and submitted the revised IRM Work Plan on May 12, 2023.

Integral, 135 Kent LLC, NYSDEC, and NYSDOH held an in-person meeting and teleconference to present the proposed IRM to building residential tenants on June 1, 2023. The meeting was attended by several New York City and State representatives and residential tenants. Tenants voiced their concerns regarding the structural integrity of the building and performance of tenant safety measures during the remedial effort. Additional residential tenant meetings may be held prior to the performance of the IRM.

The 30-day comment period for the proposed IRM began on June 7, 2023. The fact sheet for the proposed IRM was issued on June 7, 2023 and mailed to all recipients indicated on the Site contact list provided by NYSDEC. Integral emailed the fact sheet and link to download the IRM Work Plan to residential tenants on June 7, 2023, and delivered a copy of the draft IRM Work Plan to the document repositories.

Integral will revise the draft IRM Work Plan per NYSDEC and NYSDOH comments for submittal in July 2023.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs on June 15, 2023. VMPs and suction points are shown on attached Figure 1. The results of the June 15, 2023 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. May 16, 2023 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H₂O)
SSDS Suction Points		
V-1	2,335	--
V-2	1,174	--
V-3	1,341	--
V-4	2,011	--
V-5	1,351	--
V-6	1,883	--
VMPs		
PV-1R	--	-0.012
PV-2RR	--	-0.399
PV-3	--	-0.012
PV-4R	--	-0.033
PV-5R	--	-0.010
PV-6RR	--	-0.001
PV-7RR	--	-0.029
PV-8	--	-0.023
PV-10RR	--	-0.022
PV-11RR	--	-0.004

58 North 6th Street Walkthrough

Integral performed a walkthrough at 58 North 6th Street on June 29, 2023 to review considerations for ground penetrating radar (GPR), SSDS pilot testing, and SSDS design and installation at the site.

PLANNED ACTIVITIES FOR THE JUNE 2023 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the July 2023 reporting period:

-
- Proposed Interim Remedial Measure

NYSDEC provided comments received to the IRM Work Plan on July 10, 2023.

Integral will revise the draft IRM Work Plan per NYSDEC, NYSDOH, and public comments for submittal in July 2023.

- Monthly monitoring. The July 2023 monthly monitoring event is scheduled for the week of July 10, 2023.
- Air filtration unit replacement and maintenance. Integral will perform an inventory for second floor air filtration unit carbon filters during the week of July 10, 2023.
- Indoor air sampling. Integral will prepare draft tenant notification letters presenting the March 2023 indoor air sampling data for NYSDEC and NYSDOH review and comment.
- Annual reporting. Integral is finalizing the 2022 annual certification for 135 Kent Avenue and will submit to NYDSEC for review.
- Vapor intrusion mitigation

Integral performed changeout and maintenance of the 58 North 6th Street air filtration units on June 1, 2023. Integral is discussing the schedule for pilot testing and installation of an SSDS with building management for 58 North 6th Street.

Integral is coordinating changeout of carbon filters in air filtration units in 135 Kent Avenue for July 2023.

Additional details regarding July 2023 activities will be provided in the next monitoring report, due August 10, 2023.

135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 6/15/2023
Time Begin: 12:45 p.m.
Time End: 2:30 p.m.
Staff: S.Eanes

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.012
PV-2RR	-0.399
PV-3	-0.012
PV-4R	-0.033
PV-5R	-0.010
PV-6RR	-0.001
PV-7RR	-0.029
PV-8	-0.023
PV-10RR	-0.022
PV-11RR	-0.004

SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	2,335	0°
V-2	1,174	45°
V-3	1,341	15°
V-4	2,011	0°
V-5	1,351	45°
V-6	1,883	0°

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	45	no port	
Before lag drum	Gauge PI103 Sample Port	32	2.0	
After lag drum	Gauge PI104 Sample Port	19	3.4	
Ambient Air		--	0.0	

Is SSDS blower operating:

Yes	No
Yes	No
Yes	No

Is heat exhaust fan operating:

Is Sensaphone operating:

Tampering, vandalism, or damage to

SSDS:

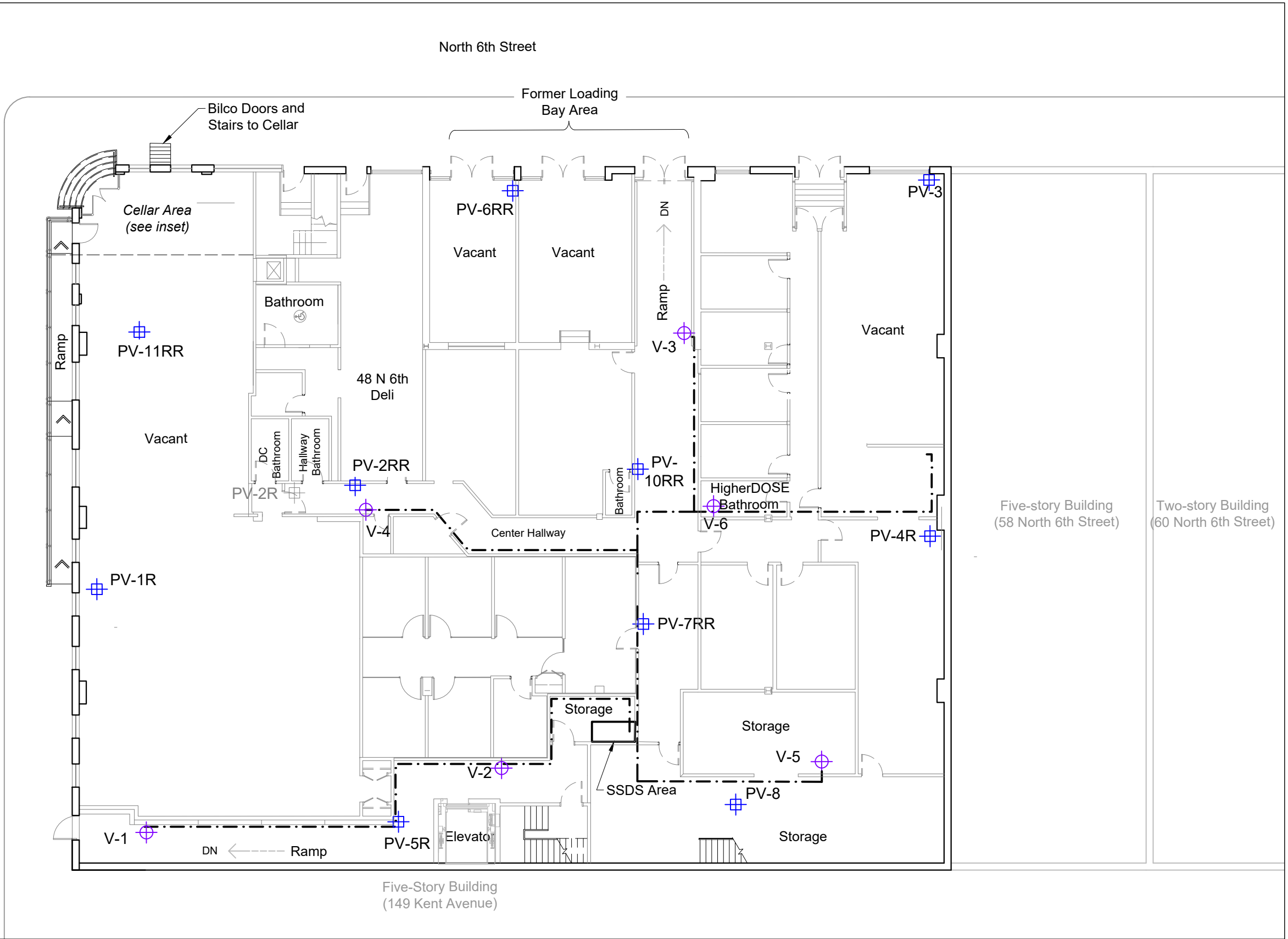
Yes

No

Exhaust stack:

Yes

No





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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: August 11, 2023

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of July 2023.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Performed activities to prepare for the proposed interim remedial measure (IRM): conducted a building residential tenant meeting, issued the IRM Work Plan fact sheet and document to document repositories, and began revisions per NYSDEC and New York State Department of Health (NYSDOH) comments.
2. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.
3. Coordinated with 58 North 6th Street to plan for future SSDS installation.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral prepared materials for the IRM Work Plan and coordinated planning for the proposed IRM with 135 Kent LLC during July 2023. The IRM Work Plan includes plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE) system. Integral submitted the first draft of the IRM Work Plan to NYSDEC on November 4, 2022. Per NYSDEC request during the December 7 teleconference, Integral prepared the draft IRM Work Plan in the format of the NYSDEC remedial action work plan (RAWP) template and resubmitted the document on April 4, 2023.

NYSDEC provided comments to the document on April 13, 2023; NYSDOH provided comments on April 14, 2023. Integral revised the IRM Work Plan per NYSDEC and NYSDOH comments and submitted the revised IRM Work Plan on May 12, 2023.

Integral, 135 Kent LLC, NYSDEC, and NYSDOH held an in-person meeting and teleconference to present the proposed IRM to building residential tenants on June 1, 2023. The meeting was attended by several New York City and State representatives and residential tenants. Tenants voiced their concerns regarding the structural integrity of the building and performance of tenant safety measures during the remedial effort. Additional residential tenant meetings may be held prior to the performance of the IRM.

The 30-day comment period for the proposed IRM began on June 7, 2023. The fact sheet for the proposed IRM was issued on June 7, 2023 and mailed to all recipients indicated on the Site contact list provided by NYSDEC. Integral emailed the fact sheet and link to download the IRM Work Plan to residential tenants on June 7, 2023, and delivered a copy of the draft IRM Work Plan to the document repositories.

NYSDEC provided compiled public comments to the IRM Work Plan on July 8, 2023. Integral and 135 Kent LLC provided draft responses to the public comments on July 18, 2023.

NYSDEC notified Integral on July 14, 2023 that the public comment period was extended until August 8, 2023. The notification regarding the public comment period extension was mailed to all recipients indicated on the Site contact list provided by NYSDEC on July 18, 2023. Integral emailed the public comment period extension notification to residential tenants and the 58 North 6th Street building management on July 18, 2023.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs on July 13, 2023. VMPs and suction points are shown on attached Figure 1. The results of the July 13, 2023 monitoring event for all

SSDS suction points and VMPs are presented in Table 1 below.

Table 1. July 13, 2023 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H₂O)
SSDS Suction Points		
V-1	2,355	--
V-2	1,186	--
V-3	1,228	--
V-4	2,151	--
V-5	1,411	--
V-6	1,968	--
VMPs		
PV-1R	--	-0.017
PV-2RR	--	-0.399
PV-3	--	-0.033
PV-4R	--	-0.032
PV-5R	--	-0.016
PV-6RR	--	-0.001
PV-7RR	--	-0.032
PV-8	--	-0.022
PV-10RR	--	-0.024
PV-11RR	--	-0.008

58 North 6th Street SSDS Installation

Integral performed a walkthrough at 58 North 6th Street on June 29, 2023 to review considerations for ground penetrating radar (GPR), SSDS pilot testing, and SSDS design and installation at the site. Integral researched options for vapor barrier installation per June 2023 observations of basement conditions. Integral contacted 58 North 6th Street management on July 24, 2023 regarding the schedule for GPR, and materials in the building's basements to be moved prior to GPR and SSDS pilot testing.

PLANNED ACTIVITIES FOR THE AUGUST 2023 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the August 2023 reporting period:

- Proposed Interim Remedial Measure

NYSDEC provided public comments to the IRM Work Plan on August 9, 2023.

Integral will revise the draft IRM Work Plan per NYSDEC, NYSDOH, and public comments for submittal in August 2023.

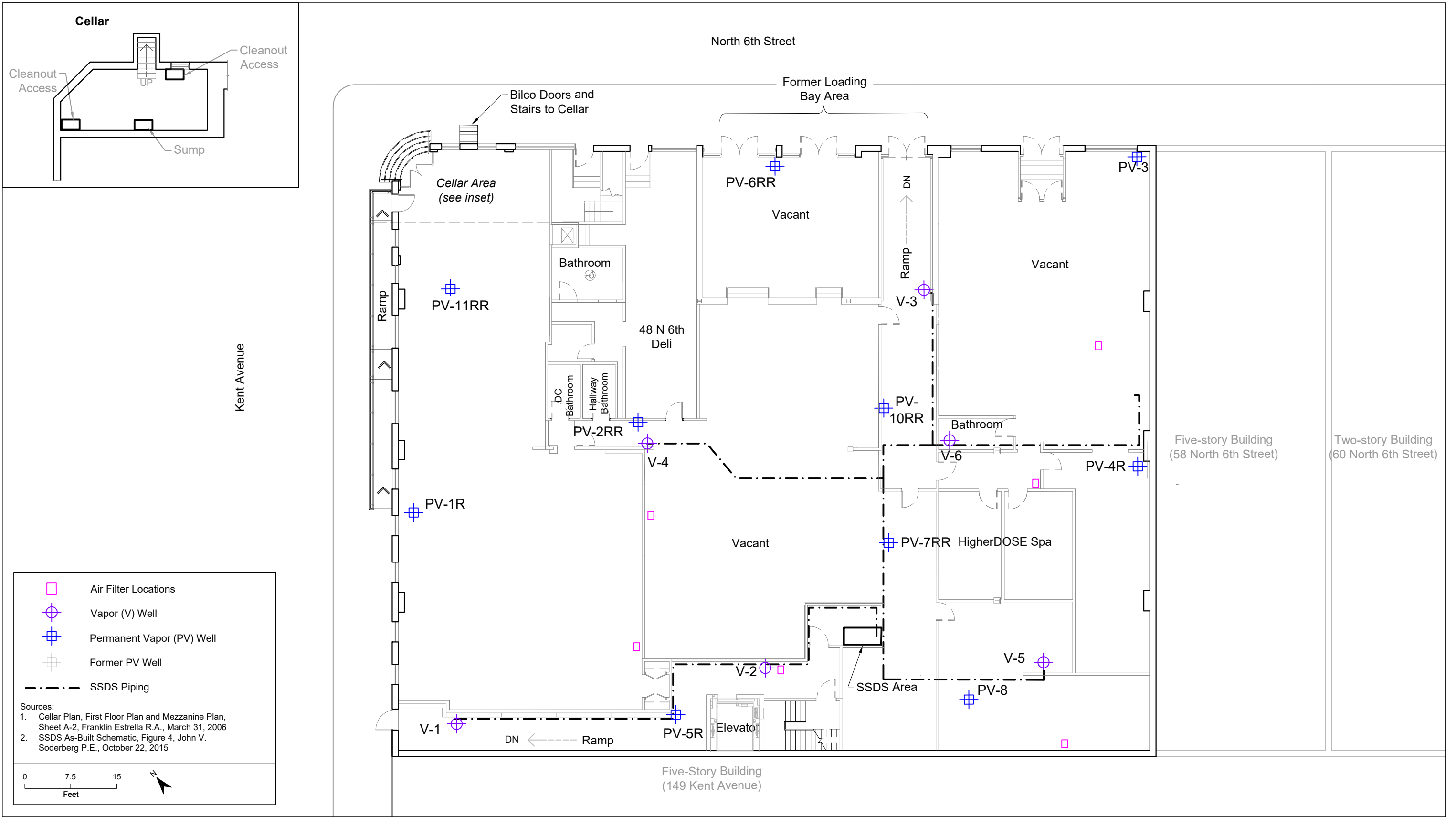
- Monthly monitoring. The August 2023 monthly monitoring event is scheduled for the week of August 21, 2023.
- Indoor air sampling. Integral will prepare draft tenant notification letters presenting the March 2023 indoor air sampling data for NYSDEC and NYSDOH review and comment.
- Annual reporting. Integral is finalizing the 2022 annual certification for 135 Kent Avenue and will submit to NYDSEC for review.
- Vapor intrusion mitigation

Integral performed changeout and maintenance of the 58 North 6th Street air filtration units on June 1, 2023. Integral is discussing the schedule for pilot testing and installation of an SSDS with building management for 58 North 6th Street.

Integral is coordinating changeout of carbon filters in air filtration units in 135 Kent Avenue for August 2023.

Additional details regarding August 2023 activities will be provided in the next monitoring report, due September 10, 2023.

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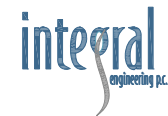


Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY

135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 7/13/2023
Time Begin: 12:30p.m.
Time End: 17:00 p.m.
Staff: D. Morales

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.017
PV-2RR	-0.399
PV-3	-0.033
PV-4R	-0.032
PV-5R	-0.016
PV-6RR	-0.001
PV-7RR	-0.032
PV-8	-0.022
PV-10RR	-0.024
PV-11RR	-0.008

SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	2,355	0°
V-2	1,186	45°
V-3	1,228	15°
V-4	2,151	0°
V-5	1,411	45°
V-6	1,968	0°

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	44	no port	
Before lag drum	Gauge PI103 Sample Port	32	3.6	
After lag drum	Gauge PI104 Sample Port	19	3.7	
Ambient Air		--	0.0	

Is SSDS blower operating:

Yes	No
Yes	No
Yes	No

Is heat exhaust fan operating:

Is Sensaphone operating:

Tampering, vandalism, or damage to

SSDS:

Yes

No

Exhaust stack:

Yes

No



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: September 11, 2023

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of August 2023.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Performed activities to prepare for the proposed interim remedial measure (IRM): conducted a building residential tenant meeting, issued the IRM Work Plan fact sheet and document to document repositories, and continued revisions per NYSDEC and New York State Department of Health (NYSDOH) comments.
2. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.
3. Coordinated with 58 North 6th Street to plan for future SSDS installation.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral prepared materials for the IRM Work Plan and coordinated with 135 Kent LLC during August 2023. The IRM Work Plan includes plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE) system. Integral submitted the first draft of the IRM Work Plan to NYSDEC on November 4, 2022. Per NYSDEC request during the December 7 teleconference, Integral prepared the draft IRM Work Plan in the format of the NYSDEC remedial action work plan (RAWP) template and resubmitted the document on April 4, 2023.

NYSDEC provided comments to the document on April 13, 2023; NYSDOH provided comments on April 14, 2023. Integral revised the IRM Work Plan per NYSDEC and NYSDOH comments and submitted the revised IRM Work Plan on May 12, 2023.

Integral, 135 Kent LLC, NYSDEC, and NYSDOH held an in-person meeting and teleconference to present the proposed IRM to building residential tenants on June 1, 2023. The meeting was attended by several New York City and State representatives and residential tenants. Tenants voiced their concerns regarding the structural integrity of the building and performance of tenant safety measures during the remedial effort. Additional residential tenant meetings may be held prior to the performance of the IRM.

The 30-day comment period for the proposed IRM began on June 7, 2023. The fact sheet for the proposed IRM was issued on June 7, 2023 and mailed to all recipients indicated on the Site contact list provided by NYSDEC. Integral emailed the fact sheet and link to download the IRM Work Plan to residential tenants on June 7, 2023, and delivered a copy of the draft IRM Work Plan to the document repositories.

NYSDEC provided compiled public comments to the IRM Work Plan on July 8, 2023. Integral and 135 Kent LLC provided draft responses to the public comments on July 18, 2023.

NYSDEC notified Integral on July 14, 2023 that the public comment period was extended until August 8, 2023. The notification regarding the public comment period extension was mailed to all recipients indicated on the Site contact list provided by NYSDEC on July 18, 2023. Integral emailed the public comment period extension notification to residential tenants and the 58 North 6th Street building management on July 18, 2023.

NYSDEC provided additional public comments to the IRM Work Plan on August 9, 2023. Integral and 135 Kent LLC provided draft responses to these comments on August 11, 2023. NYSDEC requested additional responses to comments on August 22, 2023; Integral and 135 Kent LLC provided draft responses to these comments on August 23, 2023.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs on August 28, 2023. VMPs and suction points are shown on attached Figure 1. The results of the August 28, 2023 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. August 28, 2023 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,317	--
V-2	1,285	--
V-3	1,283	--
V-4	2,136	--
V-5	1,413	--
V-6	2,002	--
VMPs		
PV-1R	--	-0.014
PV-2RR	--	-0.409
PV-3	--	-0.264
PV-4R	--	-0.033
PV-5R	--	-0.011
PV-6RR	--	-0.001
PV-7RR	--	-0.029
PV-8	--	-0.023
PV-10RR	--	-0.025
PV-11RR	--	-0.004

58 North 6th Street SSDS Installation

Integral performed a walkthrough at 58 North 6th Street on June 29, 2023 to review considerations for ground penetrating radar (GPR), SSDS pilot testing, and SSDS design and installation at the site. Integral researched options for vapor barrier installation per June 2023 observations of basement conditions. Integral contacted 58 North 6th Street management on July 24, 2023 regarding the schedule for GPR, and materials in the building's basements to be moved prior to GPR and SSDS pilot testing; at the time of the submittal of this progress report no response has been received to the July 24, 2023 communication. Integral did not receive any direct communications from 58 North 6th Street management in August 2023.

PLANNED ACTIVITIES FOR THE SEPTEMBER 2023 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the September 2023 reporting period:

- Proposed Interim Remedial Measure

Integral will revise the draft IRM Work Plan per NYSDEC, NYSDOH, and public comments for submittal in September 2023.

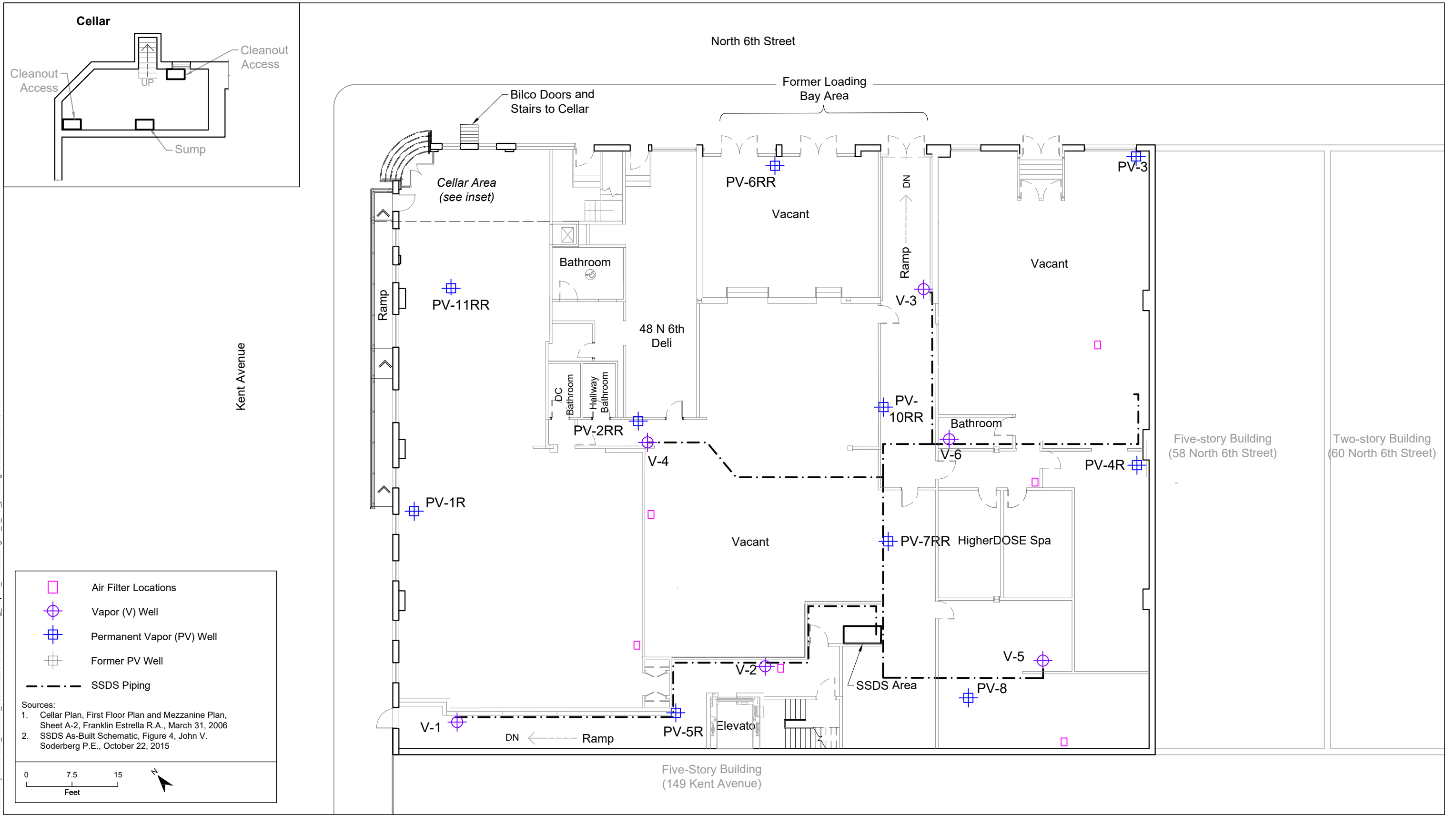
- Monthly monitoring. The September 2023 monthly monitoring event was performed September 7, 2023.
- Indoor air sampling. Integral will prepare draft tenant notification letters presenting the March 2023 indoor air sampling data for NYSDEC and NYSDOH review and comment.
- Annual reporting. Integral is finalizing the 2022 annual certification for 135 Kent Avenue and will submit to NYDSEC for review.
- Vapor intrusion mitigation

Integral performed changeout and maintenance of the 58 North 6th Street air filtration units on June 1, 2023. Integral is discussing the schedule for pilot testing and installation of an SSDS with building management for 58 North 6th Street.

Integral is coordinating changeout of carbon filters in air filtration units in 135 Kent Avenue for September 2023.

Additional details regarding September 2023 activities will be provided in the next monitoring report, due October 10, 2023.

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135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 8/28/2023
Time Begin: 13:45
Time End: 16:30
Staff: D. Morales

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.014
PV-2RR	-0.409
PV-3	-0.264
PV-4R	-0.033
PV-5R	-0.011
PV-6RR	-0.001
PV-7RR	-0.029
PV-8	-0.023
PV-10RR	-0.025
PV-11RR	-0.004

SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	2,317	0°
V-2	1,285	45°
V-3	1,283	15°
V-4	2,136	0°
V-5	1,413	45°
V-6	2,002	0°

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	45	no port	
Before lag drum	Gauge PI103 Sample Port	33	4.7	
After lag drum	Gauge PI104 Sample Port	19	3.9	
Ambient Air			0.0	

Is SSDS blower operating: **Yes** No

Is heat exhaust fan operating: **Yes** No

Is Sensaphone operating: **Yes** No

Tampering, vandalism, or damage to

SSDS: Yes **No**

Exhaust stack: Yes **No**



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: October 10, 2023

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of September 2023.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Performed activities to prepare for the proposed interim remedial measure (IRM).
2. Coordinated and inspected repair to SSDS suction point V-1 at 135 Kent Ave.
3. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.
4. Coordinated with 58 North 6th Street to plan for future SSDS installation.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue Interim Remedial Measure

Integral prepared materials for the IRM Work Plan and coordinated with 135 Kent LLC for the proposed IRM during September 2023. The IRM Work Plan includes plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE) system. Integral submitted the first draft of the IRM Work Plan to NYSDEC on November 4, 2022. Per NYSDEC request during the December 7 teleconference, Integral prepared the draft IRM Work Plan in the format of the NYSDEC remedial action work plan (RAWP) template and resubmitted the document on April 4, 2023.

NYSDEC provided comments to the document on April 13, 2023; NYSDOH provided comments on April 14, 2023. Integral revised the IRM Work Plan per NYSDEC and NYSDOH comments and submitted the revised IRM Work Plan on May 12, 2023.

Integral, 135 Kent LLC, NYSDEC, and NYSDOH held an in-person meeting and teleconference to present the proposed IRM to building residential tenants on June 1, 2023. The meeting was attended by several New York City and State representatives and residential tenants. Tenants voiced their concerns regarding the structural integrity of the building and performance of tenant safety measures during the remedial effort. Additional residential tenant meetings may be held prior to the performance of the IRM.

The 30-day comment period for the proposed IRM began on June 7, 2023. The fact sheet for the proposed IRM was issued on June 7, 2023 and mailed to all recipients indicated on the Site contact list provided by NYSDEC. Integral emailed the fact sheet and link to download the IRM Work Plan to residential tenants on June 7, 2023, and delivered a copy of the draft IRM Work Plan to the document repositories.

NYSDEC provided compiled public comments to the IRM Work Plan on July 8, 2023. Integral and 135 Kent LLC provided draft responses to the public comments on July 18, 2023.

NYSDEC notified Integral on July 14, 2023 that the public comment period was extended until August 8, 2023. The notification regarding the public comment period extension was mailed to all recipients indicated on the Site contact list provided by NYSDEC on July 18, 2023. Integral emailed the public comment period extension notification to residential tenants and the 58 North 6th Street building management on July 18, 2023. NYSDEC provided additional public comments to the IRM Work Plan on August 9, 2023.

On September 18, 2023, Integral met with building representatives to review SSDS piping and equipment prior to demolition of interior demising walls. Per direction from NYSDEC, Integral performed a daily check of continued operation of existing IRMs during each day of demolition (September 18, 19, 20, 21, 26, 27, 28, and 29, 2023).

On September 27, 2023, the IRM Work Plan for the Former Cleaner Sales & Equipment site at 135 Kent Ave, Brooklyn, NY was revised per May-September 2023 NYSDEC and NYSDOH comments, and submitted to NYSDEC and NYSDOH for review and approval.

Repair to SSDS Suction Point V-1

On September 5, 2023, building management for 135 Kent LLC notified Integral that there was a visible crack in the PVC piping for SSDS vertical well V-1, near the base of the PVC piping and cement floor, and 135 Kent LLC repaired it the same day. It is unknown how that damage occurred. The rear hallway is accessible only to building management and residential tenants, and not to commercial tenants on the first floor. No work was being performed by the building management in the rear hallway. With direction from Integral, the vertical pipe was repaired by 135 Kent LLC on September 5, 2023, by replacing the cracked section of PVC with new PVC pipe and sealing the connections with PVC primer and glue.

Integral inspected the repair to the vertical well on September 7, 2023, and observed no signs of leakage (visually or audibly). The cement where the pipe was reconnected was patched and no cracks were observed. Airflow through the V 1 vertical well was measured at 2,379 ft/min, consistent with previous readings from this well (typically between 2,000 and 2,600 ft/min). Pressure readings from the SSDS vapor monitoring points nearest to that piping connection both showed negative pressure, and the readings were consistent with previous readings at the site.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs on September 7, 2023. VMPs and suction points are shown on attached Figure 1. The results of the September 7, 2023 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. September 7, 2023 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H₂O)
SSDS Suction Points		
V-1	2,557	--
V-2	1,105	--
V-3	1,339	--
V-4	1,737	--
V-5	1,186	--
V-6	1,632	--
VMPs		
PV-1R	--	-0.012
PV-2RR	--	-0.426
PV-3	--	-0.020
PV-4R	--	-0.037
PV-5R	--	-0.013
PV-6RR	--	-0.003
PV-7RR	--	-0.037
PV-8	--	-0.023
PV-10RR	--	-0.025
PV-11RR	--	-0.006

58 North 6th Street SSDS Installation

Integral performed a walkthrough at 58 North 6th Street on June 29, 2023 to review considerations for ground penetrating radar (GPR), SSDS pilot testing, and SSDS design and installation at the site. Integral researched options for vapor barrier installation per June 2023 observations of basement conditions. Integral contacted 58 North 6th Street management on July 24, 2023 regarding the schedule for GPR, and materials in the building's basements to be moved prior to GPR and SSDS pilot testing.

PLANNED ACTIVITIES FOR THE OCTOBER 2023 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the October 2023 reporting period:

- Proposed Interim Remedial Measure. Integral will perform checks of 135 Kent Avenue IRMs on days that interior demolition occurs.
- Monthly monitoring. The October 2023 monthly monitoring event is scheduled for the week of October 16, 2023.

- Offsite vapor intrusion mitigation. Integral performed changeout and maintenance of the 58 North 6th Street air filtration units on June 1, 2023. Integral is discussing the schedule for pilot testing and installation of an SSDS with building management for 58 North 6th Street.

Additional details regarding October 2023 activities will be provided in the next monitoring report, due November 10, 2023.

135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 9/7/2023
Time Begin: 14:00
Time End: 17:30
Staff: Patrick McGuire

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.012
PV-2RR	-0.426
PV-3	-0.020
PV-4R	-0.037
PV-5R	-0.013
PV-6RR	-0.003
PV-7RR	-0.037
PV-8	-0.023
PV-10RR	-0.025
PV-11RR	-0.006

SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	2,557	0°
V-2	1,105	45°
V-3	1,339	15°
V-4	1,737	0°
V-5	1,186	45°
V-6	1,632	0°

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	44	no port	
Before lag drum	Gauge PI103 Sample Port	32	3.7	
After lag drum	Gauge PI104 Sample Port	18	3.9	
Ambient Air			0.0	

Is SSDS blower operating: **Yes** No

Is heat exhaust fan operating: **Yes** No

Is Sensaphone operating: **Yes** No

Tampering, vandalism, or damage to

SSDS: Yes **No**

Exhaust stack: Yes **No**



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: November 10, 2023

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of October 2023.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Performed activities to prepare for the proposed interim remedial measure (IRM).
2. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.
3. Coordinated with 58 North 6th Street to plan for future SSDS installation.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral prepared materials for the IRM Work Plan and coordinated with 135 Kent LLC for the proposed IRM during October 2023. The IRM Work Plan includes plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE) system. Integral submitted the first draft of the IRM Work Plan to NYSDEC on November 4, 2022. Per NYSDEC request during the December 7 teleconference, Integral prepared the draft IRM Work Plan in the format of the NYSDEC remedial action work plan (RAWP) template and resubmitted the document on April 4, 2023.

NYSDEC provided comments to the document on April 13, 2023; NYSDOH provided comments on April 14, 2023. Integral revised the IRM Work Plan per NYSDEC and NYSDOH comments and submitted the revised IRM Work Plan on May 12, 2023.

Integral, 135 Kent LLC, NYSDEC, and NYSDOH held an in-person meeting and teleconference to present the proposed IRM to building residential tenants on June 1, 2023. The meeting was attended by several New York City and State representatives and residential tenants. Tenants voiced their concerns regarding the structural integrity of the building and performance of tenant safety measures during the remedial effort. Additional residential tenant meetings may be held prior to the performance of the IRM.

The 30-day comment period for the proposed IRM began on June 7, 2023. The fact sheet for the proposed IRM was issued on June 7, 2023 and mailed to all recipients indicated on the Site contact list provided by NYSDEC. Integral emailed the fact sheet and link to download the IRM Work Plan to residential tenants on June 7, 2023, and delivered a copy of the draft IRM Work Plan to the document repositories.

NYSDEC provided compiled public comments to the IRM Work Plan on July 8, 2023. Integral and 135 Kent LLC provided draft responses to the public comments on July 18, 2023.

NYSDEC notified Integral on July 14, 2023 that the public comment period was extended until August 8, 2023. The notification regarding the public comment period extension was mailed to all recipients indicated on the Site contact list provided by NYSDEC on July 18, 2023. Integral emailed the public comment period extension notification to residential tenants and the 58 North 6th Street building management on July 18, 2023. NYSDEC provided additional public comments to the IRM Work Plan on August 9, 2023. Integral submitted the revised IRM Work Plan to NYSDEC and NYSDOH on September 27, 2023.

On September 18, 2023, Integral met with building representatives to review SSDS piping and equipment prior to above-slab demolition of interior demising walls. Per direction from NYSDEC, Integral performed a daily check of continued operation of existing IRMs during each day of demolition in September and October, 2023:

- September 18, 19, 20, 21, 26, 27, 28, and 29, 2023
- October 9, 10, 11, 12, 13, and 16, 2023.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs on October 10, 2023. VMPs and suction points are shown on attached Figure 1. The results of the October 10, 2023 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. October 10, 2023 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,223	--
V-2	1,183	--
V-3	1,256	--
V-4	1,773	--
V-5	1,367	--
V-6	1,631	--
VMPs		
PV-1R	--	-0.010
PV-2RR	--	-0.455
PV-3	--	-0.024
PV-4R	--	-0.033
PV-5R	--	-0.008
PV-6RR	--	-0.001
PV-7RR	--	-0.027
PV-8	--	-0.026
PV-10RR	--	-0.025
PV-11RR	--	-0.001

During monitoring, PV-11RR fluctuated between 0.000 and -0.003 in H₂O.

58 North 6th Street SSDS Installation

Integral performed a walkthrough at 58 North 6th Street on June 29, 2023 to review considerations for ground penetrating radar (GPR), SSDS pilot testing, and SSDS design and installation at the site. Integral researched options for vapor barrier installation per June 2023 observations of basement conditions. Integral contacted 58 North 6th Street management on July 24, 2023 regarding the schedule for GPR, and materials in the building's basements to be moved prior to GPR and SSDS pilot testing.

PLANNED ACTIVITIES FOR THE NOVEMBER 2023 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the November 2023 reporting period:

- Monthly monitoring. The November 2023 monthly monitoring event is scheduled for the week of November 17, 2023.
- Indoor air sampling. Integral will prepare draft tenant notification letters presenting the March 2023 indoor air sampling data for NYSDEC and NYSDOH review and comment.
- Annual reporting. Integral is finalizing the 2022 annual certification for 135 Kent Avenue and will submit to NYDSEC for review.

Additional details regarding October 2023 activities will be provided in the next monitoring report, due December 11, 2023.

135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 10/10/2023
Time Begin: 13:30
Time End: 17:30
Staff: Dominic Morales

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.010
PV-2RR	-0.455
PV-3	-0.024
PV-4R	-0.033
PV-5R	-0.008
PV-6RR	-0.001
PV-7RR	-0.027
PV-8	-0.026
PV-10RR	-0.025
PV-11RR	-0.001

SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	2,223	0°
V-2	1,183	45°
V-3	1,256	15°
V-4	1,773	0°
V-5	1,367	45°
V-6	1,631	0°

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	46	no port	
Before lag drum	Gauge PI103 Sample Port	32	2.4	
After lag drum	Gauge PI104 Sample Port	16	2.1	
Ambient Air			0.0	

Is SSDS blower operating: **Yes** No

Is heat exhaust fan operating: **Yes** No

Is Sensaphone operating: **Yes** No

Tampering, vandalism, or damage to

SSDS: Yes **No**

Exhaust stack: Yes **No**



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: December 11, 2023

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of November 2023.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Performed activities to prepare for the proposed interim remedial measure (IRM).
2. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.
3. Coordinated with 58 North 6th Street to plan for future SSDS installation.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral prepared materials for the IRM Work Plan and coordinated with 135 Kent LLC for the proposed IRM during November 2023. The IRM Work Plan includes plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor extraction (SVE) system. Integral submitted the first draft of the IRM Work Plan to NYSDEC on November 4, 2022. Per NYSDEC request during the December 7 teleconference, Integral prepared the draft IRM Work Plan in the format of the NYSDEC remedial action work plan (RAWP) template and resubmitted the document on April 4, 2023.

NYSDEC provided comments to the document on April 13, 2023; NYSDOH provided comments on April 14, 2023. Integral revised the IRM Work Plan per NYSDEC and NYSDOH comments and submitted the revised IRM Work Plan on May 12, 2023.

Integral, 135 Kent LLC, NYSDEC, and NYSDOH held an in-person meeting and teleconference to present the proposed IRM to building residential tenants on June 1, 2023. The meeting was attended by several New York City and State representatives and residential tenants. Tenants voiced their concerns regarding the structural integrity of the building and performance of tenant safety measures during the remedial effort. Additional residential tenant meetings may be held prior to the performance of the IRM.

The 30-day comment period for the proposed IRM began on June 7, 2023. The fact sheet for the proposed IRM was issued on June 7, 2023 and mailed to all recipients indicated on the Site contact list provided by NYSDEC. Integral emailed the fact sheet and link to download the IRM Work Plan to residential tenants on June 7, 2023, and delivered a copy of the draft IRM Work Plan to the document repositories.

NYSDEC provided compiled public comments to the IRM Work Plan on July 8, 2023. Integral and 135 Kent LLC provided draft responses to the public comments on July 18, 2023.

NYSDEC notified Integral on July 14, 2023 that the public comment period was extended until August 8, 2023. The notification regarding the public comment period extension was mailed to all recipients indicated on the Site contact list provided by NYSDEC on July 18, 2023. Integral emailed the public comment period extension notification to residential tenants and the 58 North 6th Street building management on July 18, 2023. NYSDEC provided additional public comments to the IRM Work Plan on August 9, 2023. Integral submitted the revised IRM Work Plan to NYSDEC and NYSDOH on September 27, 2023.

On September 18, 2023, Integral met with building representatives to review SSDS piping and equipment prior to above-slab demolition of interior demising walls. Per direction from NYSDEC, Integral performed a daily check of continued operation of interim remedial

measures during each day of demolition in September and October, 2023:

- September 18, 19, 20, 21, 26, 27, 28, and 29, 2023
- October 9, 10, 11, 12, 13, and 16, 2023.

On September 27, 2023, the IRM Work Plan for the Former Cleaner Sales & Equipment site at 135 Kent Ave, Brooklyn, NY was revised per May-September 2023 NYSDEC and NYSDOH comments, and submitted to NYSDEC and NYSDOH for review and approval.

On November 14, 2023 NOVA Geophysical Services (NOVA) performed ground penetrating radar (GPR) at 135 Kent Avenue and the adjacent sidewalks to locate underground utilities and other anomalies. The utility location figure will be updated and provided in a future monthly progress report.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs on November 14, 2023. VMPs and suction points are shown on attached Figure 1. The results of the November 14, 2023 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. November 14, 2023 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,478	--
V-2	1,162	--
V-3	1,505	--
V-4	2,094	--
V-5	1,471	--
V-6	1,693	--
VMPs		
PV-1R	--	-0.009
PV-2RR	--	-0.499
PV-3	--	-0.016
PV-4R	--	-0.028
PV-5R	--	-0.005
PV-6RR	--	-0.001
PV-7RR	--	-0.027
PV-8	--	-0.028
PV-10RR	--	-0.027
PV-11RR	--	+0.003

During November monthly monitoring water was observed in SSDS piping adjacent to PV-4R. The V-6 valve was temporarily closed to allow this water to drain. Upon re-

opening the valve V-6 had an airflow velocity of 1,807 ft/min.

58 North 6th Street SSDS Installation

Integral performed a walkthrough at 58 North 6th Street on June 29, 2023 to review considerations for ground penetrating radar (GPR), SSDS pilot testing, and SSDS design and installation at the site. Integral researched options for vapor barrier installation per June 2023 observations of basement conditions. Integral contacted 58 North 6th Street management on July 24, 2023 regarding the schedule for GPR, and materials in the building's basements to be moved prior to GPR and SSDS pilot testing. Integral drafted an access agreement with 58 North 6th Street management in November 2023. On November 14, 2023, Integral performed an additional walkthrough of the first floor of 58 North 6th Street to prepare for future GPR and communication test activities. On November 17, 2023, Integral provided 58 North 6th Street management with proposed locations for SSDS piping.

PLANNED ACTIVITIES FOR THE DECEMBER 2023 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the December 2023 reporting period:

- Monthly monitoring. The December 2023 monthly monitoring event is scheduled for the week of December 25, 2023.
- Vapor intrusion mitigation
 - Integral performed changeout and maintenance of the 58 North 6th Street air filtration units on June 1, 2023. Integral is discussing the schedule for pilot testing and installation of an SSDS with building management for 58 North 6th Street.
 - Integral is coordinating changeout of carbon filters in air filtration units in 135 Kent Avenue for February 2024.

Additional details regarding December 2023 activities will be provided in the next monitoring report, due January 10, 2024.

135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 11/14/2023
Time Begin: 6:30
Time End: 12:30
Staff: Dominic Morales

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.009
PV-2RR	-0.499
PV-3	-0.016
PV-4R	-0.028
PV-5R	-0.005
PV-6RR	-0.001
PV-7RR	-0.027
PV-8	-0.028
PV-10RR	-0.027
PV-11RR	0.003

SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	2,478	15°
V-2	1,162	45°
V-3	1,505	15°
V-4	2,094	0°
V-5	1,471	45°
V-6	1,693	0°

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	46	no port	
Before lag drum	Gauge PI103 Sample Port	32	1.5	
After lag drum	Gauge PI104 Sample Port	18	1.3	
Ambient Air			0.0	

Is SSDS blower operating: **Yes** No

Is heat exhaust fan operating: **Yes** No

Is Sensaphone operating: **Yes** No

Tampering, vandalism, or damage to

SSDS: Yes **No**

Exhaust stack: Yes **No**



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MEMORANDUM

To: Wendi Y. Zheng
New York State Department of Environmental Conservation

From: Sara Barbuto

Date: January 11, 2024

Subject: Monthly Progress Report
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177

Project No.: E1022

In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent LLC. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. C224177) for the month of December 2023.

ACTIONS COMPLETED DURING THIS REPORTING PERIOD

During this reporting period we have completed the following actions:

1. Collected sub-slab depressurization system (SSDS) monitoring measurements at vapor monitoring points (VMPs) and suction points at 135 Kent Avenue.
2. Coordinated change out of carbon filters in 135 Kent Avenue air filtration units with 135 Kent LLC.
3. Submitted a pilot test work plan to 58 North 6th Street management for the design of a vapor mitigation system for that property.
4. Discussed implementation of the proposed 135 Kent Avenue interim remedial measure (IRM) with 135 Kent LLC.

Additional information regarding these actions is provided in the following sections.

135 Kent Avenue SSDS Monitoring

Integral performed SSDS monitoring of accessible VMPs on December 27, 2023. VMPs and suction points are shown on attached Figure 1. The results of the December 27, 2023 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

Table 1. December 27, 2023 135 Kent Avenue SSDS Monitoring Results

Location	Airflow Velocity (ft/min)	Pressure (inches of H ₂ O)
SSDS Suction Points		
V-1	2,344	--
V-2	1,516	--
V-3	1,419	--
V-4	1,951	--
V-5	1,313	--
V-6	1,676	--
VMPs		
PV-1R	--	-0.008
PV-2RR	--	-0.462
PV-3	--	-0.015
PV-4R	--	-0.027
PV-5R	--	-0.007
PV-6RR	--	0.000
PV-7RR	--	-0.023
PV-8	--	-0.018
PV-10RR	--	-0.023
PV-11RR	--	-0.488

During December monthly monitoring water could be heard in SSDS piping connected to SSDS suction points V-5 and V-6. Integral is coordinating with 135 Kent LLC to support SSDS piping to allow for water drainage.

135 Kent Avenue Air Filtration Unit Maintenance

Integral took an inventory of air filtration units throughout 135 Kent Avenue during the December 27, 2023 monthly monitoring event. Integral is coordinating with 135 Kent LLC to order the necessary materials for air filtration unit maintenance. Air filtration unit maintenance is due in February 2024, and is anticipated to be scheduled during the first two weeks of that month. The air filtration unit maintenance date will be provided to building tenants and NYSDEC one week in advance of maintenance.

58 North 6th Street Vapor Mitigation

On December 7, 2023, Integral submitted a pilot test work plan for the design of a vapor mitigation system to 58 North 6th Street management for review and comment. Integral has not received comments to that work plan as of this reporting. Next steps for 58 North 6th Street vapor mitigation installation include: ground penetrating radar (GPR) and utility markout, pilot testing, and preparation of a vapor mitigation design for NYSDEC review.

135 Kent Avenue Interim Remedial Measure Work Plan

Integral and 135 Kent LLC coordinated implementation of the proposed 135 Kent Avenue IRM during December 2023. The IRM Work Plan includes plans for excavation, waste disposal, the second phase of the remedial investigation, and installation of a vapor barrier and soil vapor mitigation system. Integral submitted the revised draft IRM Work Plan to NYSDEC on September 27, 2023.

PLANNED ACTIVITIES FOR THE JANUARY 2024 REPORTING PERIOD

The SSDS system is currently operating. The following activities are planned for the January 2024 reporting period:

- The January 2024 monthly monitoring event is scheduled for January 11, 2024.
- 135 Kent LLC is ordering materials for air filtration unit maintenance in 135 Kent Avenue. Integral will perform the changeout with 135 Kent LLC in early February 2024.
- Integral is preparing the 2023 annual certification for 135 Kent Avenue and will submit to NYSDEC for review.
- Pending response from 58 North 6th Street management, Integral will discuss comments to the 58 North 6th Street SSDS pilot test work plan and coordinate with subcontractors to perform GPR and SSDS pilot testing.

Additional details regarding January 2024 activities will be provided in the next monitoring report, due February 12, 2024.

135 Kent Avenue
Site # C224177
SSDS Monitoring Form

Date: 12/27/2023
Time Begin: 11:30
Time End: 14:00
Staff: Dominic Morales

Sub-Slab Monitoring Point	Pressure (in. H ₂ O)
PV-1R	-0.008
PV-2RR	-0.462
PV-3	-0.015
PV-4R	-0.027
PV-5R	-0.007
PV-6RR	0.000
PV-7RR	-0.023
PV-8	-0.018
PV-10RR	-0.023
PV-11RR	-0.488

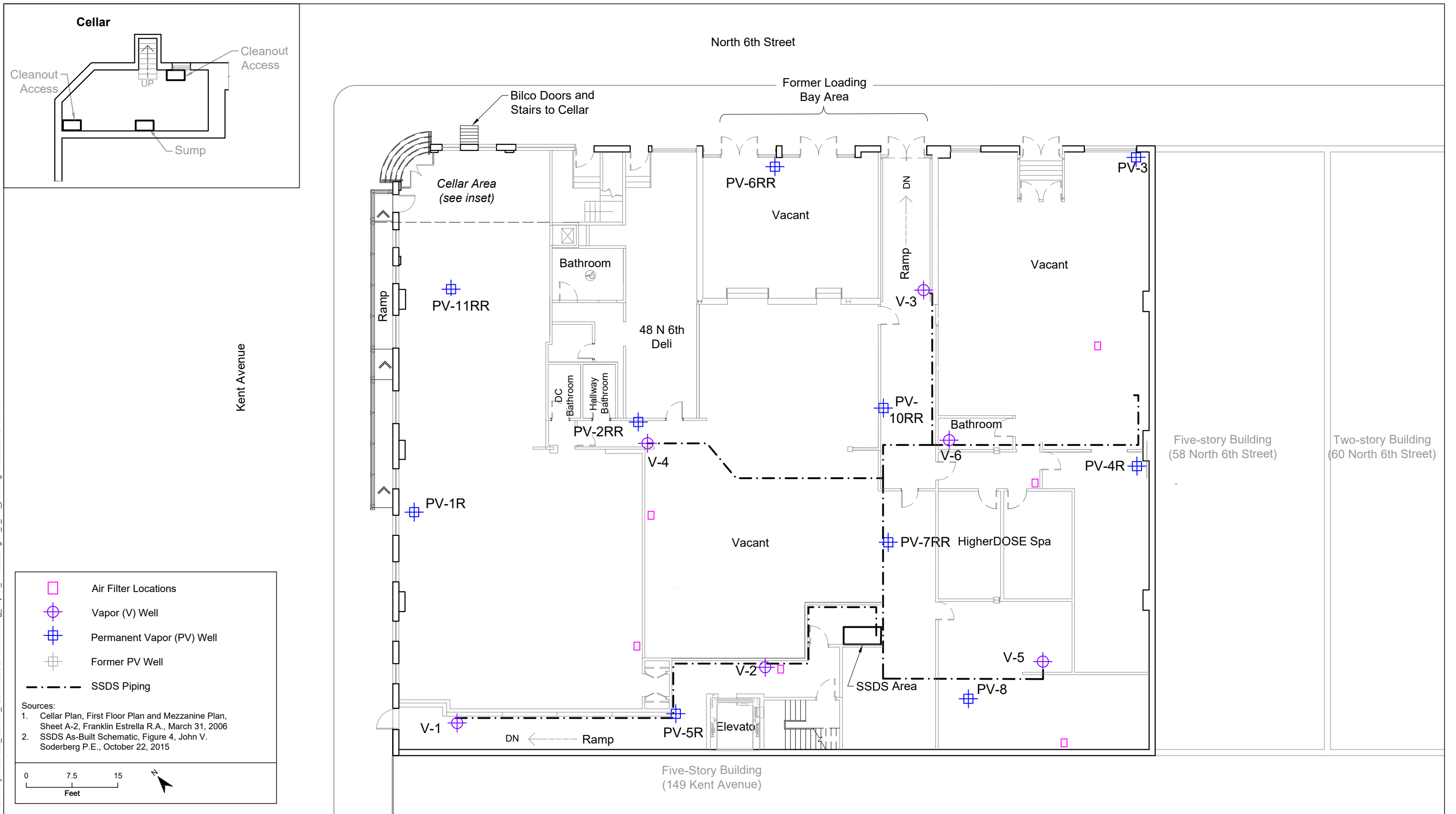
SSDS Monitoring Point	Flow Velocity (ft/min)	Valve Position
V-1	2,344	15°
V-2	1,516	15°
V-3	1,419	15°
V-4	1,951	0°
V-5	1,313	45°
V-6	1,676	0°

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H ₂ O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	43	no port	
Before lag drum	Gauge PI103 Sample Port	31	1.3	
After lag drum	Gauge PI104 Sample Port	19	1.5	
Ambient Air			0.0	

Is SSDS blower operating: **Yes** No
Is heat exhaust fan operating: **Yes** No
Is Sensaphone operating: **Yes** No
Tampering, vandalism, or damage to
SSDS: Yes **No**
Exhaust stack: Yes **No**

N:\GIS\Projects\E1022_135Kent_135KentLOCADMonitoring_Report_Nov2022\Figure_1_site_plan.dwg 1/12/2023 9:27:19 AM



DRAFT



Figure 1.
Site Sub-Slab Depressurization System and Monitoring Points
135 Kent Avenue, Brooklyn, NY

Appendix B

Analytical Laboratory Report



ANALYTICAL REPORT

Lab Number:	L2316803
Client:	Integral Consulting, Inc. 31 West 34th Street Suite 7196 New York, NY 10001
ATTN:	Sara Barbuto
Phone:	(212) 962-4301
Project Name:	135 KENT
Project Number:	E1022
Report Date:	04/13/23

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

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



Project Name: 135 KENT
Project Number: E1022

Lab Number: L2316803
Report Date: 04/13/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2316803-01	IA23-01	AIR	135 KENT AVE, BROOKLYN NY	03/29/23 15:45	03/30/23
L2316803-02	IA23-02	AIR	135 KENT AVE, BROOKLYN NY	03/29/23 16:16	03/30/23
L2316803-03	IA23-03	AIR	135 KENT AVE, BROOKLYN NY	03/29/23 16:16	03/30/23
L2316803-04	IA23-04	AIR	135 KENT AVE, BROOKLYN NY	03/29/23 15:56	03/30/23
L2316803-05	IA23-05	AIR	135 KENT AVE, BROOKLYN NY	03/29/23 16:27	03/30/23
L2316803-06	IA23-06	AIR	135 KENT AVE, BROOKLYN NY	03/29/23 15:54	03/30/23
L2316803-07	OA23-01	AIR	135 KENT AVE, BROOKLYN NY	03/29/23 15:51	03/30/23
L2316803-08	OA23-02	AIR	135 KENT AVE, BROOKLYN NY	03/29/23 08:53	03/30/23
L2316803-09	IA23-09	AIR	135 KENT AVE, BROOKLYN NY	03/29/23 16:16	03/30/23
L2316803-10	DUP	AIR	135 KENT AVE, BROOKLYN NY	03/29/23 16:17	03/30/23
L2316803-11	IA23-10	AIR	135 KENT AVE, BROOKLYN NY	03/29/23 16:23	03/30/23
L2316803-12	IA23-11	AIR	135 KENT AVE, BROOKLYN NY	03/30/23 10:54	03/30/23
L2316803-13	IA23-12	AIR	135 KENT AVE, BROOKLYN NY	03/30/23 10:56	03/30/23
L2316803-14	IA23-13	AIR	135 KENT AVE, BROOKLYN NY	03/30/23 10:59	03/30/23
L2316803-15	IA23-14	AIR	135 KENT AVE, BROOKLYN NY	03/30/23 10:27	03/30/23
L2316803-16	IA23-15	AIR	135 KENT AVE, BROOKLYN NY	03/30/23 10:16	03/30/23
L2316803-17	IA23-16	AIR	135 KENT AVE, BROOKLYN NY	03/30/23 09:17	03/30/23
L2316803-18	IA23-17	AIR	135 KENT AVE, BROOKLYN NY	03/30/23 10:12	03/30/23
L2316803-19	IA23-18	AIR	135 KENT AVE, BROOKLYN NY	03/30/23 10:14	03/30/23
L2316803-20	IA23-19	AIR	135 KENT AVE, BROOKLYN NY	03/30/23 10:29	03/30/23
L2316803-21	IA23-01B	AIR	135 KENT AVE, BROOKLYN NY	03/30/23 17:03	03/30/23

Project Name: 135 KENT
Project Number: E1022

Lab Number: L2316803
Report Date: 04/13/23

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: 135 KENT
Project Number: E1022

Lab Number: L2316803
Report Date: 04/13/23

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 20, 2023. The canister certification results are provided as an addendum.

The WG1765912-3 LCS recoveries for carbon tetrachloride (132%), dibromochloromethane (133%), and bromoform (141%) are above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes.

Sample Receipt

L2316803-04: The canister ID number for the sample is listed on the CoC as 3847 but should be 3897.

L2316803-04: The canister ID number for the sample is listed on the CoC as 366 but should be 536.

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: 04/13/23

AIR

Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-02
 Client ID: IA23-02
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:16
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/12/23 18:56
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.503	0.200	--	2.49	0.989	--		1
Chloromethane	0.543	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	49.8	5.00	--	93.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.75	1.00	--	16.0	2.38	--		1
Trichlorofluoromethane	0.240	0.200	--	1.35	1.12	--		1
Isopropanol	4.50	0.500	--	11.1	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.78	0.500	--	6.18	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	0.881	0.500	--	3.17	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	5.29	0.500	--	15.6	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-02

Client ID: IA23-02

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:16

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.284	0.200	--	1.00	0.705	--		1
Benzene	0.221	0.200	--	0.706	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.13	0.200	--	4.26	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.438	0.400	--	1.90	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-02

Client ID: IA23-02

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:16

Date Received: 03/30/23

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								
1,2,4-Trimethylbenzene	0.266	0.200	--	1.31	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	99		60-140



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-02

Client ID: IA23-02

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:16

Date Received: 03/30/23

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/12/23 18:56

Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.101	0.020	--	0.635	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.351	0.020	--	2.38	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	97		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-03
 Client ID: IA23-03
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:16
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/12/23 19:34
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.494	0.200	--	2.44	0.989	--		1
Chloromethane	0.477	0.200	--	0.985	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	23.6	5.00	--	44.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.58	1.00	--	10.9	2.38	--		1
Trichlorofluoromethane	0.229	0.200	--	1.29	1.12	--		1
Isopropanol	2.04	0.500	--	5.01	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.729	0.500	--	2.53	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-03

Client ID: IA23-03

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:16

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.810	0.200	--	3.05	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-03

Client ID: IA23-03

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:16

Date Received: 03/30/23

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								
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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	99		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-03
 Client ID: IA23-03
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:16
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/12/23 19:34
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.090	0.020	--	0.566	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.286	0.020	--	1.94	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	98		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-04
 Client ID: IA23-04
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 15:56
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/12/23 20:13
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.508	0.200	--	2.51	0.989	--		1
Chloromethane	0.500	0.200	--	1.03	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.30	5.00	--	11.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.89	1.00	--	9.24	2.38	--		1
Trichlorofluoromethane	0.234	0.200	--	1.31	1.12	--		1
Isopropanol	0.760	0.500	--	1.87	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-04

Client ID: IA23-04

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 15:56

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.671	0.200	--	2.53	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-04

Client ID: IA23-04

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 15:56

Date Received: 03/30/23

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								
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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	98		60-140



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-04
 Client ID: IA23-04
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 15:56
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/12/23 20:13
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.096	0.020	--	0.604	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.187	0.020	--	1.27	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	97		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-05
 Client ID: IA23-05
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:27
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/12/23 21:29
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.507	0.200	--	2.51	0.989	--		1
Chloromethane	0.522	0.200	--	1.08	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	44.6	5.00	--	84.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.93	1.00	--	16.5	2.38	--		1
Trichlorofluoromethane	0.235	0.200	--	1.32	1.12	--		1
Isopropanol	4.50	0.500	--	11.1	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-05

Client ID: IA23-05

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:27

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	0.429	0.200	--	2.00	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.619	0.200	--	2.33	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-05

Date Collected: 03/29/23 16:27

Client ID: IA23-05

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-05
 Client ID: IA23-05
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:27
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/12/23 21:29
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.028	0.020	--	0.111	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.097	0.020	--	0.610	0.126	--		1
Trichloroethene	0.062	0.020	--	0.333	0.107	--		1
Tetrachloroethene	0.759	0.020	--	5.15	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

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



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-06
 Client ID: IA23-06
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 15:54
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/12/23 20:51
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.512	0.200	--	2.53	0.989	--		1
Chloromethane	0.466	0.200	--	0.962	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.29	5.00	--	9.97	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.17	1.00	--	7.53	2.38	--		1
Trichlorofluoromethane	0.230	0.200	--	1.29	1.12	--		1
Isopropanol	0.548	0.500	--	1.35	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	2.77	0.200	--	13.5	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-06

Client ID: IA23-06

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 15:54

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.826	0.200	--	3.11	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-06

Date Collected: 03/29/23 15:54

Client ID: IA23-06

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-06
 Client ID: IA23-06
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 15:54
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/12/23 20:51
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.030	0.020	--	0.077	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.219	0.020	--	0.868	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.109	0.020	--	0.686	0.126	--		1
Trichloroethene	0.173	0.020	--	0.930	0.107	--		1
Tetrachloroethene	5.49	0.020	--	37.2	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	95		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-07
 Client ID: OA23-01
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 15:51
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/12/23 17:39
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.508	0.200	--	2.51	0.989	--		1
Chloromethane	0.493	0.200	--	1.02	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	9.64	5.00	--	18.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.07	1.00	--	9.67	2.38	--		1
Trichlorofluoromethane	0.235	0.200	--	1.32	1.12	--		1
Isopropanol	0.682	0.500	--	1.68	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.553	0.500	--	1.92	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-07

Client ID: OA23-01

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 15:51

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.201	0.200	--	0.642	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.13	0.200	--	4.26	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-07

Client ID: OA23-01

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 15:51

Date Received: 03/30/23

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								
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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	100		60-140



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-07
 Client ID: OA23-01
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 15:51
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/12/23 17:39
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.095	0.020	--	0.598	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.305	0.020	--	2.07	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	98		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-08
 Client ID: OA23-02
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 08:53
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/12/23 18:18
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.508	0.200	--	2.51	0.989	--		1
Chloromethane	0.482	0.200	--	0.995	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.18	5.00	--	9.76	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.32	1.00	--	5.51	2.38	--		1
Trichlorofluoromethane	0.235	0.200	--	1.32	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-08

Client ID: OA23-02

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 08:53

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.501	0.200	--	1.89	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-08

Date Collected: 03/29/23 08:53

Client ID: OA23-02

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	99		60-140



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-08
 Client ID: OA23-02
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 08:53
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/12/23 18:18
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.101	0.020	--	0.635	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.030	0.020	--	0.203	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	97		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-09
 Client ID: IA23-09
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:16
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/12/23 22:08
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.506	0.200	--	2.50	0.989	--		1
Chloromethane	0.563	0.200	--	1.16	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	58.2	5.00	--	110	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	9.13	1.00	--	21.7	2.38	--		1
Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--		1
Isopropanol	5.23	0.500	--	12.9	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.516	0.500	--	1.52	1.47	--		1
Ethyl Acetate	1.04	0.500	--	3.75	1.80	--		1
Chloroform	0.232	0.200	--	1.13	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-09

Client ID: IA23-09

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:16

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.647	0.200	--	2.44	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-09

Date Collected: 03/29/23 16:16

Client ID: IA23-09

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.208	0.200	--	1.02	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	98		60-140



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-09
 Client ID: IA23-09
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:16
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/12/23 22:08
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.096	0.020	--	0.604	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.518	0.020	--	3.51	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	97		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-10
 Client ID: DUP
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:17
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/12/23 23:24
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.513	0.200	--	2.54	0.989	--		1
Chloromethane	0.591	0.200	--	1.22	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	76.9	5.00	--	145	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	10.1	1.00	--	24.0	2.38	--		1
Trichlorofluoromethane	0.244	0.200	--	1.37	1.12	--		1
Isopropanol	5.70	0.500	--	14.0	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.506	0.500	--	1.49	1.47	--		1
Ethyl Acetate	1.15	0.500	--	4.14	1.80	--		1
Chloroform	0.298	0.200	--	1.46	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-10

Client ID: DUP

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:17

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.722	0.200	--	2.72	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-10

Client ID: DUP

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:17

Date Received: 03/30/23

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								
1,2,4-Trimethylbenzene	0.234	0.200	--	1.15	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-10
 Client ID: DUP
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:17
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/12/23 23:24
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.092	0.020	--	0.579	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.596	0.020	--	4.04	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-11
 Client ID: IA23-10
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:23
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 05:36
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.511	0.200	--	2.53	0.989	--		1
Chloromethane	0.595	0.200	--	1.23	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	120	5.00	--	226	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	22.5	1.00	--	53.4	2.38	--		1
Trichlorofluoromethane	0.242	0.200	--	1.36	1.12	--		1
Isopropanol	18.4	0.500	--	45.2	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.723	0.500	--	2.13	1.47	--		1
Ethyl Acetate	5.46	0.500	--	19.7	1.80	--		1
Chloroform	0.373	0.200	--	1.82	0.977	--		1
Tetrahydrofuran	0.533	0.500	--	1.57	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-11

Client ID: IA23-10

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:23

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.554	0.200	--	2.09	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.322	0.200	--	1.40	0.869	--		1
p/m-Xylene	0.606	0.400	--	2.63	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-11

Date Collected: 03/29/23 16:23

Client ID: IA23-10

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-11
 Client ID: IA23-10
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/29/23 16:23
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 05:36
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.095	0.020	--	0.598	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.575	0.020	--	3.90	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	96		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-12
 Client ID: IA23-11
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:54
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 06:14
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.524	0.200	--	2.59	0.989	--		1
Chloromethane	0.924	0.200	--	1.91	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	193	5.00	--	364	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	38.6	1.00	--	91.7	2.38	--		1
Trichlorofluoromethane	0.243	0.200	--	1.37	1.12	--		1
Isopropanol	4.09	0.500	--	10.1	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.737	0.500	--	2.17	1.47	--		1
Ethyl Acetate	0.766	0.500	--	2.76	1.80	--		1
Chloroform	0.637	0.200	--	3.11	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-12

Client ID: IA23-11

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:54

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.274	0.200	--	1.12	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.831	0.200	--	3.13	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-12

Date Collected: 03/30/23 10:54

Client ID: IA23-11

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.362	0.200	--	1.78	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

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



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-12
 Client ID: IA23-11
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:54
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 06:14
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.052	0.020	--	0.206	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.137	0.020	--	0.862	0.126	--		1
Trichloroethene	0.033	0.020	--	0.177	0.107	--		1
Tetrachloroethene	1.05	0.020	--	7.12	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-13
 Client ID: IA23-12
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:56
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 06:53
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.531	0.200	--	2.63	0.989	--		1
Chloromethane	0.665	0.200	--	1.37	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	191	5.00	--	360	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	17.5	1.00	--	41.6	2.38	--		1
Trichlorofluoromethane	0.242	0.200	--	1.36	1.12	--		1
Isopropanol	8.51	0.500	--	20.9	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.617	0.500	--	1.82	1.47	--		1
Ethyl Acetate	0.822	0.500	--	2.96	1.80	--		1
Chloroform	0.512	0.200	--	2.50	0.977	--		1
Tetrahydrofuran	1.11	0.500	--	3.27	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-13

Client ID: IA23-12

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:56

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.245	0.200	--	0.783	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.840	0.200	--	3.17	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.234	0.200	--	1.02	0.869	--		1
p/m-Xylene	0.415	0.400	--	1.80	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-13

Client ID: IA23-12

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:56

Date Received: 03/30/23

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								
1,2,4-Trimethylbenzene	0.366	0.200	--	1.80	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

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



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-13
 Client ID: IA23-12
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:56
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 06:53
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.070	0.020	--	0.179	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.034	0.020	--	0.135	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.258	0.020	--	1.62	0.126	--		1
Trichloroethene	0.034	0.020	--	0.183	0.107	--		1
Tetrachloroethene	0.679	0.020	--	4.60	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-14
 Client ID: IA23-13
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:59
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 07:32
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.532	0.200	--	2.63	0.989	--		1
Chloromethane	0.597	0.200	--	1.23	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	213	5.00	--	401	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	15.6	1.00	--	37.1	2.38	--		1
Trichlorofluoromethane	0.234	0.200	--	1.31	1.12	--		1
Isopropanol	8.91	0.500	--	21.9	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.522	0.500	--	1.54	1.47	--		1
Ethyl Acetate	0.828	0.500	--	2.98	1.80	--		1
Chloroform	0.496	0.200	--	2.42	0.977	--		1
Tetrahydrofuran	1.81	0.500	--	5.34	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-14

Client ID: IA23-13

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:59

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.240	0.200	--	0.846	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.621	0.200	--	2.34	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.268	0.200	--	1.32	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-14

Date Collected: 03/30/23 10:59

Client ID: IA23-13

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.665	0.200	--	3.27	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-14
 Client ID: IA23-13
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:59
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 07:32
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.027	0.020	--	0.069	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.028	0.020	--	0.111	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.129	0.020	--	0.811	0.126	--		1
Trichloroethene	0.032	0.020	--	0.172	0.107	--		1
Tetrachloroethene	0.685	0.020	--	4.65	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-15
 Client ID: IA23-14
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:27
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 08:10
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.506	0.200	--	2.50	0.989	--		1
Chloromethane	0.593	0.200	--	1.22	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	94.0	5.00	--	177	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	18.8	1.00	--	44.7	2.38	--		1
Trichlorofluoromethane	0.240	0.200	--	1.35	1.12	--		1
Isopropanol	17.8	0.500	--	43.8	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.693	0.500	--	2.04	1.47	--		1
Ethyl Acetate	0.628	0.500	--	2.26	1.80	--		1
Chloroform	0.732	0.200	--	3.57	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-15

Client ID: IA23-14

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:27

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.278	0.200	--	1.14	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.901	0.200	--	3.40	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.554	0.400	--	2.41	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.320	0.200	--	1.39	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.334	0.200	--	1.64	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-15

Date Collected: 03/30/23 10:27

Client ID: IA23-14

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.802	0.200	--	3.94	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-15
 Client ID: IA23-14
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:27
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 08:10
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.020	0.020	--	0.079	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.107	0.020	--	0.673	0.126	--		1
Trichloroethene	0.022	0.020	--	0.118	0.107	--		1
Tetrachloroethene	0.542	0.020	--	3.68	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-16
 Client ID: IA23-15
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:16
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 08:49
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.507	0.200	--	2.51	0.989	--		1
Chloromethane	0.783	0.200	--	1.62	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	92.9	5.00	--	175	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	18.4	1.00	--	43.7	2.38	--		1
Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--		1
Isopropanol	8.49	0.500	--	20.9	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.725	0.500	--	2.14	1.47	--		1
Ethyl Acetate	1.07	0.500	--	3.86	1.80	--		1
Chloroform	0.395	0.200	--	1.93	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-16

Client ID: IA23-15

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:16

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.302	0.200	--	0.965	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.214	0.200	--	0.877	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.744	0.200	--	2.80	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	1.20	0.400	--	5.21	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.312	0.200	--	1.36	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.225	0.200	--	1.11	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-16

Date Collected: 03/30/23 10:16

Client ID: IA23-15

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.505	0.200	--	2.48	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-16
 Client ID: IA23-15
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:16
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 08:49
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.103	0.020	--	0.648	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.413	0.020	--	2.80	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-17
 Client ID: IA23-16
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 09:17
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 09:27
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.510	0.200	--	2.52	0.989	--		1
Chloromethane	0.539	0.200	--	1.11	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	110	5.00	--	207	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	15.3	1.00	--	36.3	2.38	--		1
Trichlorofluoromethane	0.238	0.200	--	1.34	1.12	--		1
Isopropanol	10.3	0.500	--	25.3	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.578	0.500	--	1.70	1.47	--		1
Ethyl Acetate	2.90	0.500	--	10.5	1.80	--		1
Chloroform	0.233	0.200	--	1.14	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-17

Client ID: IA23-16

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 09:17

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.427	0.200	--	1.61	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-17

Date Collected: 03/30/23 09:17

Client ID: IA23-16

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.295	0.200	--	1.45	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	101		60-140



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-17
 Client ID: IA23-16
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 09:17
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 09:27
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.097	0.020	--	0.610	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.383	0.020	--	2.60	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	99		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-18
 Client ID: IA23-17
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:12
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 10:06
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.515	0.200	--	2.55	0.989	--		1
Chloromethane	0.548	0.200	--	1.13	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	268	5.00	--	505	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	52.6	1.00	--	125	2.38	--		1
Trichlorofluoromethane	0.249	0.200	--	1.40	1.12	--		1
Isopropanol	31.6	0.500	--	77.7	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.14	0.500	--	6.31	1.47	--		1
Ethyl Acetate	15.4	0.500	--	55.5	1.80	--		1
Chloroform	0.546	0.200	--	2.67	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-18

Client ID: IA23-17

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:12

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.456	0.200	--	1.72	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-18

Date Collected: 03/30/23 10:12

Client ID: IA23-17

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.241	0.200	--	1.18	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

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



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-18
 Client ID: IA23-17
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:12
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 10:06
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.104	0.020	--	0.654	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.297	0.020	--	2.01	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-19
 Client ID: IA23-18
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:14
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 10:44
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.500	0.200	--	2.47	0.989	--		1
Chloromethane	0.559	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	96.4	5.00	--	182	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	22.3	1.00	--	53.0	2.38	--		1
Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--		1
Isopropanol	5.76	0.500	--	14.2	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.610	0.500	--	1.80	1.47	--		1
Ethyl Acetate	0.751	0.500	--	2.71	1.80	--		1
Chloroform	0.280	0.200	--	1.37	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-19

Client ID: IA23-18

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:14

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.541	0.200	--	2.04	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.219	0.200	--	1.08	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-19

Client ID: IA23-18

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:14

Date Received: 03/30/23

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								
1,2,4-Trimethylbenzene	0.587	0.200	--	2.89	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-19
 Client ID: IA23-18
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:14
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 10:44
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.094	0.020	--	0.591	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.431	0.020	--	2.92	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-20
 Client ID: IA23-19
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:29
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 11:22
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.519	0.200	--	2.57	0.989	--		1
Chloromethane	0.516	0.200	--	1.07	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	96.5	5.00	--	182	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	15.6	1.00	--	37.1	2.38	--		1
Trichlorofluoromethane	0.257	0.200	--	1.44	1.12	--		1
Isopropanol	7.19	0.500	--	17.7	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.812	0.500	--	2.39	1.47	--		1
Ethyl Acetate	8.94	0.500	--	32.2	1.80	--		1
Chloroform	0.260	0.200	--	1.27	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-20

Client ID: IA23-19

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:29

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.354	0.200	--	1.45	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.45	0.200	--	5.46	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-20

Date Collected: 03/30/23 10:29

Client ID: IA23-19

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.209	0.200	--	1.03	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.234	0.200	--	1.41	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-20
 Client ID: IA23-19
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:29
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 11:22
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.101	0.020	--	0.635	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.396	0.020	--	2.69	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	97		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-21
 Client ID: IA23-01B
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 17:03
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 12:01
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.503	0.200	--	2.49	0.989	--		1
Chloromethane	0.541	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	7.94	5.00	--	15.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.60	1.00	--	6.18	2.38	--		1
Trichlorofluoromethane	0.224	0.200	--	1.26	1.12	--		1
Isopropanol	0.988	0.500	--	2.43	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	3.30	0.500	--	11.9	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-21

Client ID: IA23-01B

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 17:03

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.215	0.200	--	0.687	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.413	0.200	--	1.56	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-21

Date Collected: 03/30/23 17:03

Client ID: IA23-01B

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-21
 Client ID: IA23-01B
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 17:03
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 12:01
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.090	0.020	--	0.566	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.668	0.020	--	4.53	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	96		60-140



Project Name: 135 KENT

Lab Number: L2316803

Project Number: E1022

Report Date: 04/13/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/12/23 16:17

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02-21 Batch: WG1765911-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: 135 KENT

Lab Number: L2316803

Project Number: E1022

Report Date: 04/13/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/12/23 15:38

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 02-21 Batch: WG1765912-4								
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: 135 KENT

Lab Number: L2316803

Project Number: E1022

Report Date: 04/13/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/12/23 15:38

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 02-21 Batch: WG1765912-4								
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: 135 KENT

Lab Number: L2316803

Project Number: E1022

Report Date: 04/13/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/12/23 15:38

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 02-21 Batch: WG1765912-4								
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: 135 KENT

Project Number: E1022

Lab Number: L2316803

Report Date: 04/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02-21 Batch: WG1765911-3								
Vinyl chloride	83		-		70-130	-		25
1,1-Dichloroethene	102		-		70-130	-		25
cis-1,2-Dichloroethene	99		-		70-130	-		25
1,1,1-Trichloroethane	118		-		70-130	-		25
Carbon tetrachloride	128		-		70-130	-		25
Trichloroethene	105		-		70-130	-		25
Tetrachloroethene	98		-		70-130	-		25
Hexachlorobutadiene	97		-		70-130	-		25

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 135 KENT

Project Number: E1022

Lab Number: L2316803

Report Date: 04/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-21 Batch: WG1765912-3								
Dichlorodifluoromethane	102		-		70-130	-		
Chloromethane	81		-		70-130	-		
Freon-114	88		-		70-130	-		
Vinyl chloride	86		-		70-130	-		
1,3-Butadiene	80		-		70-130	-		
Bromomethane	91		-		70-130	-		
Chloroethane	84		-		70-130	-		
Ethanol	70		-		40-160	-		
Vinyl bromide	98		-		70-130	-		
Acetone	98		-		40-160	-		
Trichlorofluoromethane	110		-		70-130	-		
Isopropanol	85		-		40-160	-		
1,1-Dichloroethene	104		-		70-130	-		
Tertiary butyl Alcohol	92		-		70-130	-		
Methylene chloride	95		-		70-130	-		
3-Chloropropene	99		-		70-130	-		
Carbon disulfide	95		-		70-130	-		
Freon-113	106		-		70-130	-		
trans-1,2-Dichloroethene	101		-		70-130	-		
1,1-Dichloroethane	101		-		70-130	-		
Methyl tert butyl ether	89		-		70-130	-		
2-Butanone	96		-		70-130	-		
cis-1,2-Dichloroethene	104		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 135 KENT

Project Number: E1022

Lab Number: L2316803

Report Date: 04/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-21 Batch: WG1765912-3								
Ethyl Acetate	107		-		70-130	-		
Chloroform	106		-		70-130	-		
Tetrahydrofuran	91		-		70-130	-		
1,2-Dichloroethane	110		-		70-130	-		
n-Hexane	104		-		70-130	-		
1,1,1-Trichloroethane	122		-		70-130	-		
Benzene	92		-		70-130	-		
Carbon tetrachloride	132	Q	-		70-130	-		
Cyclohexane	104		-		70-130	-		
1,2-Dichloropropane	104		-		70-130	-		
Bromodichloromethane	124		-		70-130	-		
1,4-Dioxane	103		-		70-130	-		
Trichloroethene	109		-		70-130	-		
2,2,4-Trimethylpentane	107		-		70-130	-		
Heptane	102		-		70-130	-		
cis-1,3-Dichloropropene	103		-		70-130	-		
4-Methyl-2-pentanone	106		-		70-130	-		
trans-1,3-Dichloropropene	88		-		70-130	-		
1,1,2-Trichloroethane	112		-		70-130	-		
Toluene	95		-		70-130	-		
2-Hexanone	94		-		70-130	-		
Dibromochloromethane	133	Q	-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 135 KENT

Project Number: E1022

Lab Number: L2316803

Report Date: 04/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-21 Batch: WG1765912-3								
Tetrachloroethene	103		-		70-130	-		
Chlorobenzene	95		-		70-130	-		
Ethylbenzene	103		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	141	Q	-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	103		-		70-130	-		
o-Xylene	106		-		70-130	-		
4-Ethyltoluene	98		-		70-130	-		
1,3,5-Trimethylbenzene	97		-		70-130	-		
1,2,4-Trimethylbenzene	98		-		70-130	-		
Benzyl chloride	102		-		70-130	-		
1,3-Dichlorobenzene	98		-		70-130	-		
1,4-Dichlorobenzene	97		-		70-130	-		
1,2-Dichlorobenzene	98		-		70-130	-		
1,2,4-Trichlorobenzene	73		-		70-130	-		
Hexachlorobutadiene	69	Q	-		70-130	-		

Project Name: 135 KENT

Project Number: E1022

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L2316803

Report Date: 04/13/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02-21 QC Batch ID: WG1765911-5 QC Sample: L2316803-09 Client ID: IA23-09						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.096	0.095	ppbV	1		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	0.518	0.518	ppbV	0		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: 135 KENT

Project Number: E1022

Lab Number: L2316803

Report Date: 04/13/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-21 QC Batch ID: WG1765912-5 QC Sample: L2316803-09 Client ID: IA23-09						
Dichlorodifluoromethane	0.506	0.507	ppbV	0		25
Chloromethane	0.563	0.557	ppbV	1		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	58.2	54.0	ppbV	7		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	9.13	9.20	ppbV	1		25
Trichlorofluoromethane	0.236	0.235	ppbV	0		25
Isopropanol	5.23	5.24	ppbV	0		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	0.516	0.514	ppbV	0		25
Ethyl Acetate	1.04	1.08	ppbV	4		25

Project Name: 135 KENT
Project Number: E1022

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2316803
Report Date: 04/13/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-21 QC Batch ID: WG1765912-5 QC Sample: L2316803-09 Client ID: IA23-09						
Chloroform	0.232	0.242	ppbV	4		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.647	0.648	ppbV	0		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

Project Name: 135 KENT
Project Number: E1022

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2316803
Report Date: 04/13/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-21 QC Batch ID: WG1765912-5 QC Sample: L2316803-09 Client ID: IA23-09						
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	0.208	0.214	ppbV	3		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25

Project Name: 135 KENT

Project Number: E1022

Serial_No:04132316:11
Lab Number: L2316803

Report Date: 04/13/23

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
L2316803-01	IA23-01	01302	Flow 5	03/20/23	417411		-	-	-	Pass	4.5	4.1	9
L2316803-01	IA23-01	115	2.7L Can	03/20/23	417411	L2313291-01	Pass	-29.9	0.0	-	-	-	-
L2316803-02	IA23-02	02241	Flow 4	03/21/23	418108		-	-	-	Pass	4.5	4.1	9
L2316803-02	IA23-02	2337	2.7L Can	03/20/23	417411	L2272546-01	Pass	-29.6	-3.9	-	-	-	-
L2316803-03	IA23-03	01631	Flow 4	03/20/23	417411		-	-	-	Pass	4.5	4.1	9
L2316803-03	IA23-03	2245	2.7L Can	03/20/23	417411	L2313291-07	Pass	-29.7	-8.4	-	-	-	-
L2316803-04	IA23-04	01582	Flow 4	03/20/23	417411		-	-	-	Pass	4.5	4.9	9
L2316803-04	IA23-04	3897	2.7L Can	03/20/23	417411	L2304108-06	Pass	-29.7	-1.6	-	-	-	-
L2316803-05	IA23-05	01774	Flow 4	03/20/23	417411		-	-	-	Pass	4.5	3.9	14
L2316803-05	IA23-05	372	2.7L Can	03/20/23	417411	L2301845-02	Pass	-29.9	-8.9	-	-	-	-
L2316803-06	IA23-06	02225	Flow 5	03/20/23	417411		-	-	-	Pass	4.5	3.9	14
L2316803-06	IA23-06	3185	2.7L Can	03/20/23	417411	L2313291-01	Pass	-29.9	-8.3	-	-	-	-
L2316803-07	OA23-01	0008	Flow 5	03/20/23	417411		-	-	-	Pass	4.5	3.9	14
L2316803-07	OA23-01	2303	2.7L Can	03/20/23	417411	L2313291-06	Pass	-29.6	-2.6	-	-	-	-
L2316803-08	OA23-02	01038	Flow 5	03/20/23	417411		-	-	-	Pass	3.0	3.1	3

Project Name: 135 KENT

Serial_No:04132316:11
Lab Number: L2316803

Project Number: E1022

Report Date: 04/13/23

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
L2316803-08	OA23-02	3392	6.0L Can	03/20/23	417411	L2312573-05	Pass	-29.2	-5.2	-	-	-	-
L2316803-09	IA23-09	01651	Flow 4	03/20/23	417411		-	-	-	Pass	4.5	4.4	2
L2316803-09	IA23-09	244	2.7L Can	03/20/23	417411	L2313291-01	Pass	-29.9	-6.6	-	-	-	-
L2316803-10	DUP	02253	Flow 4	03/20/23	417411		-	-	-	Pass	4.5	4.5	0
L2316803-10	DUP	136	2.7L Can	03/20/23	417411	L2313291-01	Pass	-29.9	0.0	-	-	-	-
L2316803-11	IA23-10	01201	Flow 5	03/20/23	417411		-	-	-	Pass	4.5	4.4	2
L2316803-11	IA23-10	2423	2.7L Can	03/20/23	417411	L2313291-01	Pass	-29.9	-7.5	-	-	-	-
L2316803-12	IA23-11	02247	Flow 4	03/20/23	417411		-	-	-	Pass	3.0	3.2	6
L2316803-12	IA23-11	3051	6.0L Can	03/20/23	417411	L2312573-05	Pass	-29.9	-9.5	-	-	-	-
L2316803-13	IA23-12	0454	Flow 4	03/20/23	417411		-	-	-	Pass	3.0	2.9	3
L2316803-13	IA23-12	3299	6.0L Can	03/20/23	417411	L2312573-05	Pass	-29.9	-11.2	-	-	-	-
L2316803-14	IA23-13	0003	Flow 5	03/20/23	417411		-	-	-	Pass	3.0	2.8	7
L2316803-14	IA23-13	2707	6.0L Can	03/20/23	417411	L2312573-05	Pass	-29.9	-12.8	-	-	-	-
L2316803-15	IA23-14	01710	Flow 4	03/20/23	417411		-	-	-	Pass	3.0	2.8	7
L2316803-15	IA23-14	3123	6.0L Can	03/20/23	417411	L2312573-05	Pass	-29.9	-8.6	-	-	-	-

Project Name: 135 KENT

Project Number: E1022

Serial_No:04132316:11
Lab Number: L2316803

Report Date: 04/13/23

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
L2316803-16	IA23-15	01298	Flow 4	03/20/23	417411		-	-	-	Pass	3.0	2.6	14
L2316803-16	IA23-15	929	6.0L Can	03/20/23	417411	L2312573-05	Pass	-29.9	-9.5	-	-	-	-
L2316803-17	IA23-16	0413	Flow 5	03/20/23	417411		-	-	-	Pass	3.0	3.2	6
L2316803-17	IA23-16	2126	6.0L Can	03/20/23	417411	L2312573-05	Pass	-29.9	-7.3	-	-	-	-
L2316803-18	IA23-17	01073	Flow 5	03/20/23	417411		-	-	-	Pass	3.0	3.6	18
L2316803-18	IA23-17	2621	6.0L Can	03/20/23	417411	L2312573-05	Pass	-29.9	-5.6	-	-	-	-
L2316803-19	IA23-18	01294	Flow 4	03/20/23	417411		-	-	-	Pass	3.0	3.3	10
L2316803-19	IA23-18	1854	6.0L Can	03/20/23	417411	L2313119-05	Pass	-29.9	-8.0	-	-	-	-
L2316803-20	IA23-19	01104	Flow 4	03/20/23	417411		-	-	-	Pass	3.0	3.1	3
L2316803-20	IA23-19	1594	6.0L Can	03/20/23	417411	L2313119-05	Pass	-29.9	-7.9	-	-	-	-
L2316803-21	IA23-01B	02182	Flow 4	03/30/23	419231		-	-	-	Pass	4.5	4.3	5
L2316803-21	IA23-01B	536	2.7L Can	03/17/23	417919	L2308322-06	Pass	-30.1	-9.2	-	-	-	-

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

Lab Number: L2272546
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2272546-01
Client ID: CAN 2337 SHELF 14
Sample Location:

Date Collected: 12/24/22 08:00
Date Received: 12/27/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 12/27/22 18:27
Analyst: TJS

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: L2272546
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2272546-01
Client ID: CAN 2337 SHELF 14
Sample Location:

Date Collected: 12/24/22 08:00
Date Received: 12/27/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
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: L2272546
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2272546-01
Client ID: CAN 2337 SHELF 14
Sample Location:

Date Collected: 12/24/22 08:00
Date Received: 12/27/22
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2272546
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2272546-01
Client ID: CAN 2337 SHELF 14
Sample Location:

Date Collected: 12/24/22 08:00
Date Received: 12/27/22
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2272546
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2272546-01
 Client ID: CAN 2337 SHELF 14
 Sample Location:

Date Collected: 12/24/22 08:00
 Date Received: 12/27/22
 Field Prep: Not Specified

Sample Depth:

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

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	107		60-140
Bromochloromethane	109		60-140
chlorobenzene-d5	102		60-140

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

Lab Number: L2272546
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2272546-01
Client ID: CAN 2337 SHELF 14
Sample Location:

Date Collected: 12/24/22 08:00
Date Received: 12/27/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 12/27/22 18:27
Analyst: TJS

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: L2272546
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2272546-01
Client ID: CAN 2337 SHELF 14
Sample Location:

Date Collected: 12/24/22 08:00
Date Received: 12/27/22
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2272546
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2272546-01
Client ID: CAN 2337 SHELF 14
Sample Location:

Date Collected: 12/24/22 08:00
Date Received: 12/27/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
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	108		60-140
chlorobenzene-d5	101		60-140



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

Lab Number: L2301845
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2301845-02
Client ID: CAN 372 SHELF 14
Sample Location:

Date Collected: 01/11/23 18:00
Date Received: 01/12/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 01/15/23 18:45
Analyst: TJS

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: L2301845
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2301845-02
Client ID: CAN 372 SHELF 14
Sample Location:

Date Collected: 01/11/23 18:00
Date Received: 01/12/23
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
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



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

Lab Number: L2301845
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2301845-02
Client ID: CAN 372 SHELF 14
Sample Location:

Date Collected: 01/11/23 18:00
Date Received: 01/12/23
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: L2301845
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2301845-02
Client ID: CAN 372 SHELF 14
Sample Location:

Date Collected: 01/11/23 18:00
Date Received: 01/12/23
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:** L2301845**Project Number:** CANISTER QC BAT**Report Date:** 04/13/23**Air Canister Certification Results**

Lab ID: L2301845-02

Date Collected: 01/11/23 18:00

Client ID: CAN 372 SHELF 14

Date Received: 01/12/23

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	98		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	97		60-140

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

Lab Number: L2301845
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2301845-02
Client ID: CAN 372 SHELF 14
Sample Location:

Date Collected: 01/11/23 18:00
Date Received: 01/12/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 01/15/23 18:45
Analyst: TJS

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: L2301845
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2301845-02
Client ID: CAN 372 SHELF 14
Sample Location:

Date Collected: 01/11/23 18:00
Date Received: 01/12/23
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**Lab Number:** L2301845**Project Number:** CANISTER QC BAT**Report Date:** 04/13/23**Air Canister Certification Results**

Lab ID: L2301845-02

Date Collected: 01/11/23 18:00

Client ID: CAN 372 SHELF 14

Date Received: 01/12/23

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 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	97		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	97		60-140



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

Lab Number: L2304108
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2304108-06
Client ID: CAN 3897 SHELF 4
Sample Location:

Date Collected: 01/25/23 10:00
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 01/25/23 22:07
Analyst: JMB

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: L2304108
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2304108-06
Client ID: CAN 3897 SHELF 4
Sample Location:

Date Collected: 01/25/23 10:00
Date Received: 01/25/23
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
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		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: L2304108
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2304108-06
Client ID: CAN 3897 SHELF 4
Sample Location:

Date Collected: 01/25/23 10:00
Date Received: 01/25/23
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**Lab Number:** L2304108**Project Number:** CANISTER QC BAT**Report Date:** 04/13/23**Air Canister Certification Results**

Lab ID: L2304108-06

Date Collected: 01/25/23 10:00

Client ID: CAN 3897 SHELF 4

Date Received: 01/25/23

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								
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
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		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



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

Lab Number: L2304108
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2304108-06
 Client ID: CAN 3897 SHELF 4
 Sample Location:

Date Collected: 01/25/23 10:00
 Date Received: 01/25/23
 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								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	98		60-140

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

Lab Number: L2304108
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2304108-06
Client ID: CAN 3897 SHELF 4
Sample Location:

Date Collected: 01/25/23 10:00
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 01/25/23 22:07
Analyst: JMB

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: L2304108
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2304108-06
Client ID: CAN 3897 SHELF 4
Sample Location:

Date Collected: 01/25/23 10:00
Date Received: 01/25/23
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: L2304108
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2304108-06
Client ID: CAN 3897 SHELF 4
Sample Location:

Date Collected: 01/25/23 10:00
Date Received: 01/25/23
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	90		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	98		60-140



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

Lab Number: L2308322
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2308322-06
Client ID: CAN 543 SHELF 14
Sample Location:

Date Collected: 02/16/23 10:00
Date Received: 02/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 02/16/23 21:51
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: L2308322
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2308322-06
Client ID: CAN 543 SHELF 14
Sample Location:

Date Collected: 02/16/23 10:00
Date Received: 02/16/23
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: L2308322
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2308322-06
Client ID: CAN 543 SHELF 14
Sample Location:

Date Collected: 02/16/23 10:00
Date Received: 02/16/23
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**Lab Number:** L2308322**Project Number:** CANISTER QC BAT**Report Date:** 04/13/23**Air Canister Certification Results**

Lab ID: L2308322-06

Date Collected: 02/16/23 10:00

Client ID: CAN 543 SHELF 14

Date Received: 02/16/23

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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



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

Lab Number: L2308322
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2308322-06
 Client ID: CAN 543 SHELF 14
 Sample Location:

Date Collected: 02/16/23 10:00
 Date Received: 02/16/23
 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								

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	106		60-140
chlorobenzene-d5	101		60-140

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

Lab Number: L2308322
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2308322-06
Client ID: CAN 543 SHELF 14
Sample Location:

Date Collected: 02/16/23 10:00
Date Received: 02/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 02/16/23 21:51
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: L2308322
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2308322-06
Client ID: CAN 543 SHELF 14
Sample Location:

Date Collected: 02/16/23 10:00
Date Received: 02/16/23
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**Lab Number:** L2308322**Project Number:** CANISTER QC BAT**Report Date:** 04/13/23**Air Canister Certification Results**

Lab ID: L2308322-06

Date Collected: 02/16/23 10:00

Client ID: CAN 543 SHELF 14

Date Received: 02/16/23

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 by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	107		60-140
chlorobenzene-d5	99		60-140



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

Lab Number: L2312573
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2312573-05
Client ID: CAN 3950 SHELF 44
Sample Location:

Date Collected: 03/09/23 18:00
Date Received: 03/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/11/23 20:54
Analyst: TJS

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: L2312573
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2312573-05
Client ID: CAN 3950 SHELF 44
Sample Location:

Date Collected: 03/09/23 18:00
Date Received: 03/10/23
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
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		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: L2312573
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2312573-05
Client ID: CAN 3950 SHELF 44
Sample Location:

Date Collected: 03/09/23 18:00
Date Received: 03/10/23
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: L2312573
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2312573-05
Client ID: CAN 3950 SHELF 44
Sample Location:

Date Collected: 03/09/23 18:00
Date Received: 03/10/23
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
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2312573**Project Number:** CANISTER QC BAT**Report Date:** 04/13/23**Air Canister Certification Results**

Lab ID: L2312573-05

Date Collected: 03/09/23 18:00

Client ID: CAN 3950 SHELF 44

Date Received: 03/10/23

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								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

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

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

Lab Number: L2312573
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2312573-05
Client ID: CAN 3950 SHELF 44
Sample Location:

Date Collected: 03/09/23 18:00
Date Received: 03/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/11/23 20:54
Analyst: TJS

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: L2312573
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2312573-05
Client ID: CAN 3950 SHELF 44
Sample Location:

Date Collected: 03/09/23 18:00
Date Received: 03/10/23
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**Lab Number:** L2312573**Project Number:** CANISTER QC BAT**Report Date:** 04/13/23**Air Canister Certification Results**

Lab ID: L2312573-05

Date Collected: 03/09/23 18:00

Client ID: CAN 3950 SHELF 44

Date Received: 03/10/23

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 by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

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



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

Lab Number: L2313119
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313119-05
Client ID: CAN 2257 SHELF 35
Sample Location:

Date Collected: 03/13/23 18:00
Date Received: 03/14/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/14/23 21:18
Analyst: TJS

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: L2313119
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313119-05
Client ID: CAN 2257 SHELF 35
Sample Location:

Date Collected: 03/13/23 18:00
Date Received: 03/14/23
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
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		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: L2313119
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313119-05
Client ID: CAN 2257 SHELF 35
Sample Location:

Date Collected: 03/13/23 18:00
Date Received: 03/14/23
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: L2313119
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313119-05
Client ID: CAN 2257 SHELF 35
Sample Location:

Date Collected: 03/13/23 18:00
Date Received: 03/14/23
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
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		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



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

Lab Number: L2313119
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313119-05
 Client ID: CAN 2257 SHELF 35
 Sample Location:

Date Collected: 03/13/23 18:00
 Date Received: 03/14/23
 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								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140

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

Lab Number: L2313119
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313119-05
Client ID: CAN 2257 SHELF 35
Sample Location:

Date Collected: 03/13/23 18:00
Date Received: 03/14/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/14/23 21:18
Analyst: TJS

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: L2313119
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313119-05
Client ID: CAN 2257 SHELF 35
Sample Location:

Date Collected: 03/13/23 18:00
Date Received: 03/14/23
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**Lab Number:** L2313119**Project Number:** CANISTER QC BAT**Report Date:** 04/13/23**Air Canister Certification Results**

Lab ID: L2313119-05

Date Collected: 03/13/23 18:00

Client ID: CAN 2257 SHELF 35

Date Received: 03/14/23

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 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	93		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140



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

Lab Number: L2313291
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313291-01
Client ID: CAN 3185 SHELF 13
Sample Location:

Date Collected: 03/14/23 18:00
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/15/23 18:18
Analyst: NFL

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: L2313291
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313291-01
Client ID: CAN 3185 SHELF 13
Sample Location:

Date Collected: 03/14/23 18:00
Date Received: 03/15/23
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
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		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: L2313291
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313291-01
Client ID: CAN 3185 SHELF 13
Sample Location:

Date Collected: 03/14/23 18:00
Date Received: 03/15/23
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: L2313291
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313291-01
Client ID: CAN 3185 SHELF 13
Sample Location:

Date Collected: 03/14/23 18:00
Date Received: 03/15/23
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
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2313291**Project Number:** CANISTER QC BAT**Report Date:** 04/13/23**Air Canister Certification Results**

Lab ID: L2313291-01

Date Collected: 03/14/23 18:00

Client ID: CAN 3185 SHELF 13

Date Received: 03/15/23

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								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	93		60-140

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

Lab Number: L2313291
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313291-01
Client ID: CAN 3185 SHELF 13
Sample Location:

Date Collected: 03/14/23 18:00
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/15/23 18:18
Analyst: NFL

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: L2313291
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313291-01
Client ID: CAN 3185 SHELF 13
Sample Location:

Date Collected: 03/14/23 18:00
Date Received: 03/15/23
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**Lab Number:** L2313291**Project Number:** CANISTER QC BAT**Report Date:** 04/13/23**Air Canister Certification Results**

Lab ID: L2313291-01

Date Collected: 03/14/23 18:00

Client ID: CAN 3185 SHELF 13

Date Received: 03/15/23

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 by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	98		60-140



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

Lab Number: L2313291
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313291-06
Client ID: CAN 2303 SHELF 2
Sample Location:

Date Collected: 03/15/23 08:00
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/15/23 21:34
Analyst: NFL

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: L2313291
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313291-06
Client ID: CAN 2303 SHELF 2
Sample Location:

Date Collected: 03/15/23 08:00
Date Received: 03/15/23
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
Xylenes, total	ND	0.600	--	ND	0.869	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	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
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		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: L2313291
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313291-06
Client ID: CAN 2303 SHELF 2
Sample Location:

Date Collected: 03/15/23 08:00
Date Received: 03/15/23
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**Lab Number:** L2313291**Project Number:** CANISTER QC BAT**Report Date:** 04/13/23**Air Canister Certification Results**

Lab ID: L2313291-06

Date Collected: 03/15/23 08:00

Client ID: CAN 2303 SHELF 2

Date Received: 03/15/23

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								
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
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2313291**Project Number:** CANISTER QC BAT**Report Date:** 04/13/23**Air Canister Certification Results**

Lab ID: L2313291-06

Date Collected: 03/15/23 08:00

Client ID: CAN 2303 SHELF 2

Date Received: 03/15/23

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								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	94		60-140

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

Lab Number: L2313291
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313291-06
Client ID: CAN 2303 SHELF 2
Sample Location:

Date Collected: 03/15/23 08:00
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/15/23 21:34
Analyst: NFL

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: L2313291
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313291-06
Client ID: CAN 2303 SHELF 2
Sample Location:

Date Collected: 03/15/23 08:00
Date Received: 03/15/23
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**Lab Number:** L2313291**Project Number:** CANISTER QC BAT**Report Date:** 04/13/23**Air Canister Certification Results**

Lab ID: L2313291-06

Date Collected: 03/15/23 08:00

Client ID: CAN 2303 SHELF 2

Date Received: 03/15/23

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 by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140



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

Lab Number: L2313291
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313291-07
Client ID: CAN 2245 SHELF 3
Sample Location:

Date Collected: 03/15/23 08:00
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/15/23 22:13
Analyst: NFL

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: L2313291
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313291-07
Client ID: CAN 2245 SHELF 3
Sample Location:

Date Collected: 03/15/23 08:00
Date Received: 03/15/23
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
Xylenes, total	ND	0.600	--	ND	0.869	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	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
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		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: L2313291
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313291-07
Client ID: CAN 2245 SHELF 3
Sample Location:

Date Collected: 03/15/23 08:00
Date Received: 03/15/23
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**Lab Number:** L2313291**Project Number:** CANISTER QC BAT**Report Date:** 04/13/23**Air Canister Certification Results**

Lab ID: L2313291-07

Date Collected: 03/15/23 08:00

Client ID: CAN 2245 SHELF 3

Date Received: 03/15/23

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								
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
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2313291**Project Number:** CANISTER QC BAT**Report Date:** 04/13/23**Air Canister Certification Results**

Lab ID: L2313291-07

Date Collected: 03/15/23 08:00

Client ID: CAN 2245 SHELF 3

Date Received: 03/15/23

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								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	94		60-140

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

Lab Number: L2313291
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313291-07
Client ID: CAN 2245 SHELF 3
Sample Location:

Date Collected: 03/15/23 08:00
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/15/23 22:13
Analyst: NFL

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: L2313291
Report Date: 04/13/23

Air Canister Certification Results

Lab ID: L2313291-07
Client ID: CAN 2245 SHELF 3
Sample Location:

Date Collected: 03/15/23 08:00
Date Received: 03/15/23
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**Lab Number:** L2313291**Project Number:** CANISTER QC BAT**Report Date:** 04/13/23**Air Canister Certification Results**

Lab ID: L2313291-07

Date Collected: 03/15/23 08:00

Client ID: CAN 2245 SHELF 3

Date Received: 03/15/23

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 by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140



Project Name: 135 KENT
Project Number: E1022

Serial_No:04132316:11
Lab Number: L2316803
Report Date: 04/13/23

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2316803-01A	Canister - 6 Liter	NA	NA			Y	Absent		CANCELLED()
L2316803-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2316803-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2316803-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2316803-05A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2316803-06A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2316803-07A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2316803-08A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2316803-09A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2316803-10A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2316803-11A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2316803-12A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2316803-13A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2316803-14A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2316803-15A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2316803-16A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2316803-17A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2316803-18A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2316803-19A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2316803-20A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2316803-21A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23

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: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**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: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**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: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23

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

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

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Certification Information

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

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

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

Biological Tissue Matrix: EPA 3050B

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

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

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

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

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



AIR ANALYSIS

CHAIN OF CUSTODY

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

Client Information

Client: Integral Engineering
Address: 31 West 34th St
Suite 7196 New York, NY 10001
Phone: 860 705 0620
Fax: pmequiro@integral-corp.com
Email: sbarbuto@integral-corp.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

PAGE 1 OF 3

Date Rec'd in Lab:

3/31/23

ALPHA Job #:

L2316803

Project Information

Project Name: 135 Kent
Project Location: 135 Kent Ave, Brooklyn NY
Project #: E1022
Project Manager: Sara Barbuto
ALPHA Quote #:

Turn-Around Time

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

Date Due:

Time:

Report Information - Data Deliverables

☐ FAX

☐ ADEx

Criteria Checker:

(Default based on Regulatory Criteria Indicated)

Other Formats:

☐ EMAIL (standard pdf report)

☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

ANALYSIS

☐

Subtract Non-petroleum HCs

Fixed Gases

Sulfides & Mercaptans by TO-15

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed C	Sulfides			Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum														
16803-01	1A23-01	3/29/23	8:47	15:45	-26.83	0.50	AA	PM	2.7L	11E	01302	X	X							Canister Leak - resample 3/30
-02	1A23-02	3/29/23	9:12	16:16	-29.10	-9.23	AA	PM	2.7L	2357	02241	X	X							1A23-01B
-03	1A23-03	3/29/23	9:09	16:16	-30.33	-9.39	AA	PM	2.7L	2245	01631	X	X							
-04	1A23-04	3/29/23	8:50	15:56	-30.40	-7.50	AA	PM	2.7L	3247	01582	X	X							
-05	1A23-05	3/29/23	8:58	16:27	-30.43	-9.60	AA	PM	2.7L	372	01744	X	X							
-06	1A23-06	3/29/23	8:55	15:54	-24.05	-8.60	AA	PM	2.7L	3185	02225	X	X							
-07	0A23-01	3/29/23	9:05	15:51	-30.17	-3.61	AA	PM	2.7L	2306	0008	X	X							
-08	0A23-02	3/30/23	9:29	8:53	-30.27	-7.47	AA	PM	6L	3342	01038	X	X							
-09	1A23-09	3/29/23	9:15	16:16	-30.52	-8.49	AA	PM	2.7L	224	01651	X	X							
-10	DUP	3/29/23	9:17	16:17	-30.31	-7.93	AA	PM	2.7L	136	02253	X	X							

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)

SV = Soil Vapor/Landfill Gas/SVE

Other = Please Specify

Container Type

Relinquished By:

Date/Time

Received By:

Date/Time:

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



AIR ANALYSIS

CHAIN OF CUSTODY

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

PAGE 2 OF 23

Date Rec'd in Lab:

3/31/23

ALPHA Job #: L2316803

Project Information

Project Name: 135 Kent

Project Location: 135 Kent Ave, Brooklyn NY

Project #: E6022

Project Manager: Sara Barbato

ALPHA Quote #:

Turn-Around Time

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

Date Due:

Time:

Report Information - Data Deliverables

☐ FAX☐ ADEx

Criteria Checker:

(Default based on Regulatory Criteria Indicated)

Other Formats:

☐ EMAIL (standard pdf report)☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

Client Information

Client: Integral Engineering

Address: 31 West 34th St Suite 746

New York, NY 10001

Phone: 860 705 0620

Fax: pmcguire@integral-corp.com

Email: sbarbato@integral-corp.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 S	APH	Fixed G	Sulfides & Mercaptans	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum												
16803-11	1A23-10	3/29/23	9:20	16:23	-30.34	-7.81	AA	PM	2.7L	01261	2423	X	X					
-12	1A23-11	3/30/23	11:26	10:54	-30.26	-9.97			6L	02247	3051	X	X					
-13	1A23-12		10:00	10:56	-30.64	-12.19				0494	3244	X	X					
-14	1A23-13		9:22	10:59	-31.08	-13.92				0003	2707	X	X					
-15	1A23-14		10:23	10:27	-30.57	-9.33				01710	3123	X	X					
-16	1A23-15		10:03	10:16	-30.42	-10.22				01248	924	X	X					
-17	1A23-16		10:15	9:17	-30.35	-7.96				0413	2126	X	X					
-18	1A23-17		11:31	10:12	-30.21	-6.00				01073	2621	X	X					
-19	1A23-18		11:34	10:14	-30.17	-9.18				01244	1854	X	X					
-20	1A23-19		10:21	10:29	-30.57	-9.09				01104	1544	X	X					

*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:



AIR ANALYSIS

PAGE 3 OF 3

Date Rec'd in Lab:

3/31/23

ALPHA Job #:

L2316803

CHAIN OF CUSTODY

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

Client Information

Client: Integral Engineering
Address: 31 West 34th St Ste 7196
New York, NY 10001

Phone: 860-705-0620

Fax: pmcgyire@integral-corp.com

Email: sbarbato@integral-corp.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name:	135 Kent
Project Location:	135 Kent Ave, Brooklyn NY
Project #:	E1022
Project Manager:	Sara Barabato
ALPHA Quote #:	

Turn-Around Time

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

Date Due: _____ Time: _____

Report Information - Data Deliverables

☐ FAX
☐ ADE_x

Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)

Other Formats:

☐ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

ANALYSIS

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

Relinquished By:

Date/Time

Received By:

Date/Time:

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

Appendix C

Data Usability Summary Report

**DATA USABILITY SUMMARY REPORT:
2023 AIR SAMPLING**

**Former Cleaner Sales and Equipment Corp. Site
135 Kent Avenue
Brooklyn, NY 11249
NYSDEC BCP No. 224177**

Prepared by:



319 SW Washington St.
Suite 1150
Portland, OR 97204

June 2024

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ACRONYMS AND ABBREVIATIONS

DUSR	data usability summary report
EPA	U.S. Environmental Protection Agency
LCS	laboratory control sample
MRL	method reporting limit
NYSDEC	New York State Department of Environmental Conservation
QA/QC	quality assurance and quality control
RPD	relative percent difference

1 INTRODUCTION

Integral Consulting Inc. has prepared this data usability summary report (DUSR) of 2023 air samples on behalf of 135 Kent LLC for the property located at 135 Kent Avenue (Block 2333, Lot 5), Brooklyn, New York (Site). The Site is currently enrolled in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program and is listed as NYSDEC Site No. C224177.

This report presents the data validation of indoor and outdoor air samples and associated quality control samples taken at 135 Kent Avenue, Brooklyn, New York, and analyzed by Alpha Analytical, Inc. of Mansfield, Massachusetts. The samples were reported in sample delivery group L2316803 and were analyzed for select volatile organic compounds by U.S. Environmental Protection Agency (EPA) Methods TO-15 and TO-15 SIM (USEPA 1999).

The samples received a Stage 2A validation, which included a review of all laboratory summary forms of quality control data. The data validation was based on criteria described in EPA's functional guidelines for organic data review (USEPA 2016) and the referenced analytical method.

The quality assurance and quality control (QA/QC) parameters reviewed are discussed in Section 2. All electronic data deliverables were compared to the hard copy data packages, and 10 percent of the field sample results were verified. The definitions of the data qualifiers used are provided in Table 1-1, and descriptions of the reason codes used are provided in Table 1-2. For example, if a data point was estimated due to a laboratory control sample outlier, the qualifier "J" and the reason code "LCS" would be entered into the database, indicated as J-LCS in the discussion of findings in Section 2.

2 FINDINGS

The data validation findings are provided in this section.

2.1 PARAMETERS REVIEWED

The QA/QC parameters reviewed for each analytical parameter are discussed below and are listed in Table 2-1.

2.2 SAMPLE RECEIPT AND HOLDING TIMES

Samples were received with complete chain-of-custody forms and in good condition, with the exceptions noted below. All analyses were conducted within the holding times in the referenced methods.

As noted on the chain-of-custody form, the canister associated with the March 29, 2023 collection of Sample IA23-01 leaked and was resampled on March 30, 2023 and was identified as Sample IA23-01B.

The laboratory noted the canister identification number for Sample IA23-04 is listed on the chain-of-custody form as 3847 but should be 3897 and the canister identification number for sample IA23-01B is listed on the chain-of-custody form as 366 but should be 536.

The final vacuum reported by the laboratory for the following samples was greater than 9 in. Hg and the results were qualified as estimated (J/UJ-Other) because the canister may not have completely filled: IA23-11, IA23-12, IA23-13, IA23-15, and IA23-01B.

The residual canister vacuums measured at the laboratory for Sample DUP was near ambient pressure. This indicates that the sample is weighted toward the first portion of the sampling interval, and the desired sampling interval may not have been achieved before the canister arrived at ambient conditions. Although the actual sampling interval is uncertain, the canister still filled and no qualifiers were assigned because of this issue.

2.3 BLANKS

All results from the laboratory method blanks were reported as less than the method reporting limit (MRL).

2.4 SURROGATE

The percent recoveries of all reported surrogates were within laboratory control limits.

2.5 LABORATORY CONTROL SAMPLES

The percent recoveries of all laboratory control samples (LCSs) were within laboratory control limits, with the following exceptions.

The percent recovery values for carbon tetrachloride, dibromochloromethane, and bromoform in LCS WG1765912-3 were greater than the laboratory control limits, and the hexachlorobutadiene percent recovery value was less than the control limits.

- The detected carbon tetrachloride results in the associated samples were qualified as estimated (J-LCS).
- The nondetected hexachlorobutadiene results for all samples were qualified as estimated (UJ-LCS).
- Because dibromochloromethane and bromoform were not detected in the associated samples, no qualifiers were assigned.

2.6 LABORATORY DUPLICATE SAMPLES

The relative percent differences (RPDs) of all laboratory duplicate samples were within laboratory control limits.

2.7 REPLICATES

One set of field replicates was submitted: Samples IA23-09 and DUP. EPA has not established control limits for field replicates. For this project, the target control limit for field replicates is an RPD less than 35 percent for values greater than 5 times the MRL. For values less than 5 times the MRL, the absolute difference should be less than the MRL. These control limits were met for all analytes.

2.8 METHOD REPORTING LIMITS AND METHODOLOGY

There are no project-specific MRLs specified for this project. The reported MRLs are consistent with the methodology used and the intended uses of the data.

3 OVERALL ASSESSMENT

3.1 DATA QUALIFICATION

A total of 2,520 results were reported. A total of 690 results (27 percent) were qualified as estimated. No results were rejected, and completeness was 100 percent. A summary of all qualified results is presented in Table 3-1.

3.2 DATA USABILITY

The data meet the criteria set forth in the referenced quality assurance documents, with the exceptions noted above. All results are acceptable for their intended use. A summary of all qualified results is presented in Table 3-1.

4 REFERENCES

USEPA. 1999. Compendium method TO-15: Determination of volatile organic compounds in air collected in specially-prepared canisters and analyzed by gas chromatography/mass spectrometry (GC/MS). In: Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition. U.S. Environmental Protection Agency, Office of Research and Development, Center for Environmental Research Information, Cincinnati, OH. January.

USEPA. 2016. National functional guidelines for Superfund organic methods data review. USEPA-540-R-2016-002, Contract Laboratory Program. Office of Superfund Remediation and Technology Innovation, U.S. Environmental Protection Agency, Washington, DC. September.

Table 1-1. Definition of Data Qualifiers

Data Qualifier	Definition
J	The associated numerical value is an estimated quantity.
UJ	The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

Table 1-2. Definition of Data Validation Reason Codes

Reason Code	Definition
LCS	Laboratory control sample
Other	Defined in report

Table 2-1. QA/QC Parameters Reviewed

QA/QC Parameter	Analytical Parameter
	VOC EPA Method TO-15
Sample receipt and holding times	Q
Blanks	+
Surrogate	+
Matrix spikes	NA
LCS	Q
Replicates	+
MRL and methodology	+

Notes:

+ = All QA/QC criteria were met.

Q = Data were qualified and are discussed in the report.

EPA = U.S. Environmental Protection Agency

LCS = laboratory control sample

MRL = method reporting limit

NA = not analyzed

QA/QC = quality assurance and quality control

VOC = volatile organic compound

Table 3-1. Summary of Qualified Data

SDG	Sample	Analyte	Method Reporting		DV Qualifier	DV Qualifier Reason
			Result (µg/m ³)	Limit (µg/m ³)		
L2316803	IA23-01B	1,1,1-Trichloroethane	ND	0.109	UJ	Other
L2316803	IA23-11	1,1,1-Trichloroethane	ND	0.109	UJ	Other
L2316803	IA23-12	1,1,1-Trichloroethane	ND	0.109	UJ	Other
L2316803	IA23-13	1,1,1-Trichloroethane	ND	0.109	UJ	Other
L2316803	IA23-15	1,1,1-Trichloroethane	ND	0.109	UJ	Other
L2316803	IA23-01B	1,1,2,2-Tetrachloroethane	ND	1.37	UJ	Other
L2316803	IA23-11	1,1,2,2-Tetrachloroethane	ND	1.37	UJ	Other
L2316803	IA23-12	1,1,2,2-Tetrachloroethane	ND	1.37	UJ	Other
L2316803	IA23-13	1,1,2,2-Tetrachloroethane	ND	1.37	UJ	Other
L2316803	IA23-15	1,1,2,2-Tetrachloroethane	ND	1.37	UJ	Other
L2316803	IA23-01B	1,1,2-Trichloroethane	ND	1.09	UJ	Other
L2316803	IA23-11	1,1,2-Trichloroethane	ND	1.09	UJ	Other
L2316803	IA23-12	1,1,2-Trichloroethane	ND	1.09	UJ	Other
L2316803	IA23-13	1,1,2-Trichloroethane	ND	1.09	UJ	Other
L2316803	IA23-15	1,1,2-Trichloroethane	ND	1.09	UJ	Other
L2316803	IA23-01B	1,1-Dichloroethane	ND	0.809	UJ	Other
L2316803	IA23-11	1,1-Dichloroethane	ND	0.809	UJ	Other
L2316803	IA23-12	1,1-Dichloroethane	ND	0.809	UJ	Other
L2316803	IA23-13	1,1-Dichloroethane	ND	0.809	UJ	Other
L2316803	IA23-15	1,1-Dichloroethane	ND	0.809	UJ	Other
L2316803	IA23-01B	1,1-Dichloroethene	ND	0.079	UJ	Other
L2316803	IA23-11	1,1-Dichloroethene	ND	0.079	UJ	Other
L2316803	IA23-12	1,1-Dichloroethene	ND	0.079	UJ	Other
L2316803	IA23-13	1,1-Dichloroethene	ND	0.079	UJ	Other
L2316803	IA23-15	1,1-Dichloroethene	ND	0.079	UJ	Other
L2316803	IA23-01B	1,2,4-Trichlorobenzene	ND	1.48	UJ	Other
L2316803	IA23-11	1,2,4-Trichlorobenzene	ND	1.48	UJ	Other
L2316803	IA23-12	1,2,4-Trichlorobenzene	ND	1.48	UJ	Other
L2316803	IA23-13	1,2,4-Trichlorobenzene	ND	1.48	UJ	Other
L2316803	IA23-15	1,2,4-Trichlorobenzene	ND	1.48	UJ	Other
L2316803	IA23-01B	1,2,4-Trimethylbenzene	ND	0.983	UJ	Other
L2316803	IA23-11	1,2,4-Trimethylbenzene	1.78	0.983	J	Other
L2316803	IA23-12	1,2,4-Trimethylbenzene	1.8	0.983	J	Other
L2316803	IA23-13	1,2,4-Trimethylbenzene	3.27	0.983	J	Other
L2316803	IA23-15	1,2,4-Trimethylbenzene	2.48	0.983	J	Other
L2316803	IA23-01B	1,2-Dibromoethane	ND	1.54	UJ	Other

Table 3-1. Summary of Qualified Data

SDG	Sample	Analyte	Method Reporting		DV Qualifier	DV Qualifier Reason
			Result (µg/m³)	Limit (µg/m³)		
L2316803	IA23-11	1,2-Dibromoethane	ND	1.54	UJ	Other
L2316803	IA23-12	1,2-Dibromoethane	ND	1.54	UJ	Other
L2316803	IA23-13	1,2-Dibromoethane	ND	1.54	UJ	Other
L2316803	IA23-15	1,2-Dibromoethane	ND	1.54	UJ	Other
L2316803	IA23-01B	1,2-Dichlorobenzene	ND	1.2	UJ	Other
L2316803	IA23-11	1,2-Dichlorobenzene	ND	1.2	UJ	Other
L2316803	IA23-12	1,2-Dichlorobenzene	ND	1.2	UJ	Other
L2316803	IA23-13	1,2-Dichlorobenzene	ND	1.2	UJ	Other
L2316803	IA23-15	1,2-Dichlorobenzene	ND	1.2	UJ	Other
L2316803	IA23-01B	1,2-Dichloroethane	ND	0.809	UJ	Other
L2316803	IA23-11	1,2-Dichloroethane	ND	0.809	UJ	Other
L2316803	IA23-12	1,2-Dichloroethane	ND	0.809	UJ	Other
L2316803	IA23-13	1,2-Dichloroethane	ND	0.809	UJ	Other
L2316803	IA23-15	1,2-Dichloroethane	ND	0.809	UJ	Other
L2316803	IA23-01B	1,2-Dichloropropane	ND	0.924	UJ	Other
L2316803	IA23-11	1,2-Dichloropropane	ND	0.924	UJ	Other
L2316803	IA23-12	1,2-Dichloropropane	ND	0.924	UJ	Other
L2316803	IA23-13	1,2-Dichloropropane	ND	0.924	UJ	Other
L2316803	IA23-15	1,2-Dichloropropane	ND	0.924	UJ	Other
L2316803	IA23-01B	1,3,5-Trimethylbenzene	ND	0.983	UJ	Other
L2316803	IA23-11	1,3,5-Trimethylbenzene	ND	0.983	UJ	Other
L2316803	IA23-12	1,3,5-Trimethylbenzene	ND	0.983	UJ	Other
L2316803	IA23-13	1,3,5-Trimethylbenzene	1.32	0.983	J	Other
L2316803	IA23-15	1,3,5-Trimethylbenzene	1.11	0.983	J	Other
L2316803	IA23-01B	1,3-Butadiene	ND	0.442	UJ	Other
L2316803	IA23-11	1,3-Butadiene	ND	0.442	UJ	Other
L2316803	IA23-12	1,3-Butadiene	ND	0.442	UJ	Other
L2316803	IA23-13	1,3-Butadiene	ND	0.442	UJ	Other
L2316803	IA23-15	1,3-Butadiene	ND	0.442	UJ	Other
L2316803	IA23-01B	1,3-Dichlorobenzene	ND	1.2	UJ	Other
L2316803	IA23-11	1,3-Dichlorobenzene	ND	1.2	UJ	Other
L2316803	IA23-12	1,3-Dichlorobenzene	ND	1.2	UJ	Other
L2316803	IA23-13	1,3-Dichlorobenzene	ND	1.2	UJ	Other
L2316803	IA23-15	1,3-Dichlorobenzene	ND	1.2	UJ	Other
L2316803	IA23-01B	1,4-Dichlorobenzene	ND	1.2	UJ	Other
L2316803	IA23-11	1,4-Dichlorobenzene	ND	1.2	UJ	Other

Table 3-1. Summary of Qualified Data

SDG	Sample	Analyte	Method Reporting		DV Qualifier	DV Qualifier Reason
			Result (µg/m³)	Limit (µg/m³)		
L2316803	IA23-12	1,4-Dichlorobenzene	ND	1.2	UJ	Other
L2316803	IA23-13	1,4-Dichlorobenzene	ND	1.2	UJ	Other
L2316803	IA23-15	1,4-Dichlorobenzene	ND	1.2	UJ	Other
L2316803	IA23-01B	1,4-Dioxane	ND	0.721	UJ	Other
L2316803	IA23-11	1,4-Dioxane	ND	0.721	UJ	Other
L2316803	IA23-12	1,4-Dioxane	ND	0.721	UJ	Other
L2316803	IA23-13	1,4-Dioxane	ND	0.721	UJ	Other
L2316803	IA23-15	1,4-Dioxane	ND	0.721	UJ	Other
L2316803	IA23-01B	2,2,4-Trimethylpentane	ND	0.934	UJ	Other
L2316803	IA23-11	2,2,4-Trimethylpentane	ND	0.934	UJ	Other
L2316803	IA23-12	2,2,4-Trimethylpentane	ND	0.934	UJ	Other
L2316803	IA23-13	2,2,4-Trimethylpentane	ND	0.934	UJ	Other
L2316803	IA23-15	2,2,4-Trimethylpentane	ND	0.934	UJ	Other
L2316803	IA23-01B	2-Butanone	ND	1.47	UJ	Other
L2316803	IA23-11	2-Butanone	2.17	1.47	J	Other
L2316803	IA23-12	2-Butanone	1.82	1.47	J	Other
L2316803	IA23-13	2-Butanone	1.54	1.47	J	Other
L2316803	IA23-15	2-Butanone	2.14	1.47	J	Other
L2316803	IA23-01B	2-Hexanone	ND	0.82	UJ	Other
L2316803	IA23-11	2-Hexanone	ND	0.82	UJ	Other
L2316803	IA23-12	2-Hexanone	ND	0.82	UJ	Other
L2316803	IA23-13	2-Hexanone	ND	0.82	UJ	Other
L2316803	IA23-15	2-Hexanone	ND	0.82	UJ	Other
L2316803	IA23-01B	3-Chloropropene	ND	0.626	UJ	Other
L2316803	IA23-11	3-Chloropropene	ND	0.626	UJ	Other
L2316803	IA23-12	3-Chloropropene	ND	0.626	UJ	Other
L2316803	IA23-13	3-Chloropropene	ND	0.626	UJ	Other
L2316803	IA23-15	3-Chloropropene	ND	0.626	UJ	Other
L2316803	IA23-01B	4-Ethyltoluene	ND	0.983	UJ	Other
L2316803	IA23-11	4-Ethyltoluene	ND	0.983	UJ	Other
L2316803	IA23-12	4-Ethyltoluene	ND	0.983	UJ	Other
L2316803	IA23-13	4-Ethyltoluene	ND	0.983	UJ	Other
L2316803	IA23-15	4-Ethyltoluene	ND	0.983	UJ	Other
L2316803	IA23-01B	4-Methyl-2-pentanone	ND	2.05	UJ	Other
L2316803	IA23-11	4-Methyl-2-pentanone	ND	2.05	UJ	Other
L2316803	IA23-12	4-Methyl-2-pentanone	ND	2.05	UJ	Other

Table 3-1. Summary of Qualified Data

SDG	Sample	Analyte	Method Reporting		DV Qualifier	DV Qualifier Reason
			Result (µg/m ³)	Limit (µg/m ³)		
L2316803	IA23-13	4-Methyl-2-pentanone	ND	2.05	UJ	Other
L2316803	IA23-15	4-Methyl-2-pentanone	ND	2.05	UJ	Other
L2316803	IA23-01B	Acetone	6.18	2.38	J	Other
L2316803	IA23-11	Acetone	91.7	2.38	J	Other
L2316803	IA23-12	Acetone	41.6	2.38	J	Other
L2316803	IA23-13	Acetone	37.1	2.38	J	Other
L2316803	IA23-15	Acetone	43.7	2.38	J	Other
L2316803	IA23-01B	Benzene	0.687	0.639	J	Other
L2316803	IA23-11	Benzene	ND	0.639	UJ	Other
L2316803	IA23-12	Benzene	0.783	0.639	J	Other
L2316803	IA23-13	Benzene	ND	0.639	UJ	Other
L2316803	IA23-15	Benzene	0.965	0.639	J	Other
L2316803	IA23-01B	Benzyl chloride	ND	1.04	UJ	Other
L2316803	IA23-11	Benzyl chloride	ND	1.04	UJ	Other
L2316803	IA23-12	Benzyl chloride	ND	1.04	UJ	Other
L2316803	IA23-13	Benzyl chloride	ND	1.04	UJ	Other
L2316803	IA23-15	Benzyl chloride	ND	1.04	UJ	Other
L2316803	IA23-01B	Bromodichloromethane	ND	1.34	UJ	Other
L2316803	IA23-11	Bromodichloromethane	ND	1.34	UJ	Other
L2316803	IA23-12	Bromodichloromethane	ND	1.34	UJ	Other
L2316803	IA23-13	Bromodichloromethane	ND	1.34	UJ	Other
L2316803	IA23-15	Bromodichloromethane	ND	1.34	UJ	Other
L2316803	IA23-01B	Bromoform	ND	2.07	UJ	Other
L2316803	IA23-11	Bromoform	ND	2.07	UJ	Other
L2316803	IA23-12	Bromoform	ND	2.07	UJ	Other
L2316803	IA23-13	Bromoform	ND	2.07	UJ	Other
L2316803	IA23-15	Bromoform	ND	2.07	UJ	Other
L2316803	IA23-01B	Bromomethane	ND	0.777	UJ	Other
L2316803	IA23-11	Bromomethane	ND	0.777	UJ	Other
L2316803	IA23-12	Bromomethane	ND	0.777	UJ	Other
L2316803	IA23-13	Bromomethane	ND	0.777	UJ	Other
L2316803	IA23-15	Bromomethane	ND	0.777	UJ	Other
L2316803	IA23-01B	Carbon disulfide	ND	0.623	UJ	Other
L2316803	IA23-11	Carbon disulfide	ND	0.623	UJ	Other
L2316803	IA23-12	Carbon disulfide	ND	0.623	UJ	Other
L2316803	IA23-13	Carbon disulfide	ND	0.623	UJ	Other

Table 3-1. Summary of Qualified Data

SDG	Sample	Analyte	Method Reporting		DV Qualifier	DV Qualifier Reason
			Result ($\mu\text{g}/\text{m}^3$)	Limit ($\mu\text{g}/\text{m}^3$)		
L2316803	IA23-15	Carbon disulfide	ND	0.623	UJ	Other
L2316803	DUP	Carbon tetrachloride	0.579	0.126	J	LCS
L2316803	IA23-01B	Carbon tetrachloride	0.566	0.126	J	Other,LCS
L2316803	IA23-02	Carbon tetrachloride	0.635	0.126	J	LCS
L2316803	IA23-03	Carbon tetrachloride	0.566	0.126	J	LCS
L2316803	IA23-04	Carbon tetrachloride	0.604	0.126	J	LCS
L2316803	IA23-05	Carbon tetrachloride	0.61	0.126	J	LCS
L2316803	IA23-06	Carbon tetrachloride	0.686	0.126	J	LCS
L2316803	IA23-09	Carbon tetrachloride	0.604	0.126	J	LCS
L2316803	IA23-10	Carbon tetrachloride	0.598	0.126	J	LCS
L2316803	IA23-11	Carbon tetrachloride	0.862	0.126	J	Other,LCS
L2316803	IA23-12	Carbon tetrachloride	1.62	0.126	J	Other,LCS
L2316803	IA23-13	Carbon tetrachloride	0.811	0.126	J	Other,LCS
L2316803	IA23-14	Carbon tetrachloride	0.673	0.126	J	LCS
L2316803	IA23-15	Carbon tetrachloride	0.648	0.126	J	Other,LCS
L2316803	IA23-16	Carbon tetrachloride	0.61	0.126	J	LCS
L2316803	IA23-17	Carbon tetrachloride	0.654	0.126	J	LCS
L2316803	IA23-18	Carbon tetrachloride	0.591	0.126	J	LCS
L2316803	IA23-19	Carbon tetrachloride	0.635	0.126	J	LCS
L2316803	OA23-01	Carbon tetrachloride	0.598	0.126	J	LCS
L2316803	OA23-02	Carbon tetrachloride	0.635	0.126	J	LCS
L2316803	IA23-01B	Chlorobenzene	ND	0.921	UJ	Other
L2316803	IA23-11	Chlorobenzene	ND	0.921	UJ	Other
L2316803	IA23-12	Chlorobenzene	ND	0.921	UJ	Other
L2316803	IA23-13	Chlorobenzene	ND	0.921	UJ	Other
L2316803	IA23-15	Chlorobenzene	ND	0.921	UJ	Other
L2316803	IA23-01B	Chloroethane	ND	0.528	UJ	Other
L2316803	IA23-11	Chloroethane	ND	0.528	UJ	Other
L2316803	IA23-12	Chloroethane	ND	0.528	UJ	Other
L2316803	IA23-13	Chloroethane	ND	0.528	UJ	Other
L2316803	IA23-15	Chloroethane	ND	0.528	UJ	Other
L2316803	IA23-01B	Chloroform	ND	0.977	UJ	Other
L2316803	IA23-11	Chloroform	3.11	0.977	J	Other
L2316803	IA23-12	Chloroform	2.5	0.977	J	Other
L2316803	IA23-13	Chloroform	2.42	0.977	J	Other
L2316803	IA23-15	Chloroform	1.93	0.977	J	Other

Table 3-1. Summary of Qualified Data

SDG	Sample	Analyte	Method Reporting		DV Qualifier	DV Qualifier Reason
			Result (µg/m ³)	Limit (µg/m ³)		
L2316803	IA23-01B	Chloromethane	1.12	0.413	J	Other
L2316803	IA23-11	Chloromethane	1.91	0.413	J	Other
L2316803	IA23-12	Chloromethane	1.37	0.413	J	Other
L2316803	IA23-13	Chloromethane	1.23	0.413	J	Other
L2316803	IA23-15	Chloromethane	1.62	0.413	J	Other
L2316803	IA23-01B	cis-1,2-Dichloroethene	ND	0.079	UJ	Other
L2316803	IA23-11	cis-1,2-Dichloroethene	0.206	0.079	J	Other
L2316803	IA23-12	cis-1,2-Dichloroethene	0.135	0.079	J	Other
L2316803	IA23-13	cis-1,2-Dichloroethene	0.111	0.079	J	Other
L2316803	IA23-15	cis-1,2-Dichloroethene	ND	0.079	UJ	Other
L2316803	IA23-01B	cis-1,3-Dichloropropene	ND	0.908	UJ	Other
L2316803	IA23-11	cis-1,3-Dichloropropene	ND	0.908	UJ	Other
L2316803	IA23-12	cis-1,3-Dichloropropene	ND	0.908	UJ	Other
L2316803	IA23-13	cis-1,3-Dichloropropene	ND	0.908	UJ	Other
L2316803	IA23-15	cis-1,3-Dichloropropene	ND	0.908	UJ	Other
L2316803	IA23-01B	Cyclohexane	ND	0.688	UJ	Other
L2316803	IA23-11	Cyclohexane	ND	0.688	UJ	Other
L2316803	IA23-12	Cyclohexane	ND	0.688	UJ	Other
L2316803	IA23-13	Cyclohexane	ND	0.688	UJ	Other
L2316803	IA23-15	Cyclohexane	ND	0.688	UJ	Other
L2316803	IA23-01B	Dibromochloromethane	ND	1.7	UJ	Other
L2316803	IA23-11	Dibromochloromethane	ND	1.7	UJ	Other
L2316803	IA23-12	Dibromochloromethane	ND	1.7	UJ	Other
L2316803	IA23-13	Dibromochloromethane	ND	1.7	UJ	Other
L2316803	IA23-15	Dibromochloromethane	ND	1.7	UJ	Other
L2316803	IA23-01B	Dichlorodifluoromethane	2.49	0.989	J	Other
L2316803	IA23-11	Dichlorodifluoromethane	2.59	0.989	J	Other
L2316803	IA23-12	Dichlorodifluoromethane	2.63	0.989	J	Other
L2316803	IA23-13	Dichlorodifluoromethane	2.63	0.989	J	Other
L2316803	IA23-15	Dichlorodifluoromethane	2.51	0.989	J	Other
L2316803	IA23-01B	Ethanol	15	9.42	J	Other
L2316803	IA23-11	Ethanol	364	9.42	J	Other
L2316803	IA23-12	Ethanol	360	9.42	J	Other
L2316803	IA23-13	Ethanol	401	9.42	J	Other
L2316803	IA23-15	Ethanol	175	9.42	J	Other
L2316803	IA23-01B	Ethyl Acetate	11.9	1.8	J	Other

Table 3-1. Summary of Qualified Data

SDG	Sample	Analyte	Method Reporting		DV Qualifier	DV Qualifier Reason
			Result (µg/m ³)	Limit (µg/m ³)		
L2316803	IA23-11	Ethyl Acetate	2.76	1.8	J	Other
L2316803	IA23-12	Ethyl Acetate	2.96	1.8	J	Other
L2316803	IA23-13	Ethyl Acetate	2.98	1.8	J	Other
L2316803	IA23-15	Ethyl Acetate	3.86	1.8	J	Other
L2316803	IA23-01B	Ethylbenzene	ND	0.869	UJ	Other
L2316803	IA23-11	Ethylbenzene	ND	0.869	UJ	Other
L2316803	IA23-12	Ethylbenzene	1.02	0.869	J	Other
L2316803	IA23-13	Ethylbenzene	ND	0.869	UJ	Other
L2316803	IA23-15	Ethylbenzene	ND	0.869	UJ	Other
L2316803	IA23-01B	Freon-113	ND	1.53	UJ	Other
L2316803	IA23-11	Freon-113	ND	1.53	UJ	Other
L2316803	IA23-12	Freon-113	ND	1.53	UJ	Other
L2316803	IA23-13	Freon-113	ND	1.53	UJ	Other
L2316803	IA23-15	Freon-113	ND	1.53	UJ	Other
L2316803	IA23-01B	Freon-114	ND	1.4	UJ	Other
L2316803	IA23-11	Freon-114	ND	1.4	UJ	Other
L2316803	IA23-12	Freon-114	ND	1.4	UJ	Other
L2316803	IA23-13	Freon-114	ND	1.4	UJ	Other
L2316803	IA23-15	Freon-114	ND	1.4	UJ	Other
L2316803	IA23-01B	Heptane	ND	0.82	UJ	Other
L2316803	IA23-11	Heptane	1.12	0.82	J	Other
L2316803	IA23-12	Heptane	ND	0.82	UJ	Other
L2316803	IA23-13	Heptane	ND	0.82	UJ	Other
L2316803	IA23-15	Heptane	0.877	0.82	J	Other
L2316803	DUP	Hexachlorobutadiene	ND	0.533	UJ	LCS
L2316803	IA23-01B	Hexachlorobutadiene	ND	0.533	UJ	LCS,Other
L2316803	IA23-02	Hexachlorobutadiene	ND	0.533	UJ	LCS
L2316803	IA23-03	Hexachlorobutadiene	ND	0.533	UJ	LCS
L2316803	IA23-04	Hexachlorobutadiene	ND	0.533	UJ	LCS
L2316803	IA23-05	Hexachlorobutadiene	ND	0.533	UJ	LCS
L2316803	IA23-06	Hexachlorobutadiene	ND	0.533	UJ	LCS
L2316803	IA23-09	Hexachlorobutadiene	ND	0.533	UJ	LCS
L2316803	IA23-10	Hexachlorobutadiene	ND	0.533	UJ	LCS
L2316803	IA23-11	Hexachlorobutadiene	ND	0.533	UJ	LCS,Other
L2316803	IA23-12	Hexachlorobutadiene	ND	0.533	UJ	LCS,Other
L2316803	IA23-13	Hexachlorobutadiene	ND	0.533	UJ	LCS,Other

Table 3-1. Summary of Qualified Data

SDG	Sample	Analyte	Method Reporting		DV Qualifier	DV Qualifier Reason
			Result (µg/m³)	Limit (µg/m³)		
L2316803	IA23-14	Hexachlorobutadiene	ND	0.533	UJ	LCS
L2316803	IA23-15	Hexachlorobutadiene	ND	0.533	UJ	LCS,Other
L2316803	IA23-16	Hexachlorobutadiene	ND	0.533	UJ	LCS
L2316803	IA23-17	Hexachlorobutadiene	ND	0.533	UJ	LCS
L2316803	IA23-18	Hexachlorobutadiene	ND	0.533	UJ	LCS
L2316803	IA23-19	Hexachlorobutadiene	ND	0.533	UJ	LCS
L2316803	OA23-01	Hexachlorobutadiene	ND	0.533	UJ	LCS
L2316803	OA23-02	Hexachlorobutadiene	ND	0.533	UJ	LCS
L2316803	IA23-01B	Isopropanol	2.43	1.23	J	Other
L2316803	IA23-11	Isopropanol	10.1	1.23	J	Other
L2316803	IA23-12	Isopropanol	20.9	1.23	J	Other
L2316803	IA23-13	Isopropanol	21.9	1.23	J	Other
L2316803	IA23-15	Isopropanol	20.9	1.23	J	Other
L2316803	IA23-01B	Methyl tert butyl ether	ND	0.721	UJ	Other
L2316803	IA23-11	Methyl tert butyl ether	ND	0.721	UJ	Other
L2316803	IA23-12	Methyl tert butyl ether	ND	0.721	UJ	Other
L2316803	IA23-13	Methyl tert butyl ether	ND	0.721	UJ	Other
L2316803	IA23-15	Methyl tert butyl ether	ND	0.721	UJ	Other
L2316803	IA23-01B	Methylene chloride	ND	1.74	UJ	Other
L2316803	IA23-11	Methylene chloride	ND	1.74	UJ	Other
L2316803	IA23-12	Methylene chloride	ND	1.74	UJ	Other
L2316803	IA23-13	Methylene chloride	ND	1.74	UJ	Other
L2316803	IA23-15	Methylene chloride	ND	1.74	UJ	Other
L2316803	IA23-01B	n-Hexane	ND	0.705	UJ	Other
L2316803	IA23-11	n-Hexane	ND	0.705	UJ	Other
L2316803	IA23-12	n-Hexane	ND	0.705	UJ	Other
L2316803	IA23-13	n-Hexane	0.846	0.705	J	Other
L2316803	IA23-15	n-Hexane	ND	0.705	UJ	Other
L2316803	IA23-01B	o-Xylene	ND	0.869	UJ	Other
L2316803	IA23-11	o-Xylene	ND	0.869	UJ	Other
L2316803	IA23-12	o-Xylene	ND	0.869	UJ	Other
L2316803	IA23-13	o-Xylene	ND	0.869	UJ	Other
L2316803	IA23-15	o-Xylene	1.36	0.869	J	Other
L2316803	IA23-01B	p/m-Xylene	ND	1.74	UJ	Other
L2316803	IA23-11	p/m-Xylene	ND	1.74	UJ	Other
L2316803	IA23-12	p/m-Xylene	1.8	1.74	J	Other

Table 3-1. Summary of Qualified Data

SDG	Sample	Analyte	Method Reporting		DV Qualifier	DV Qualifier Reason
			Result (µg/m ³)	Limit (µg/m ³)		
L2316803	IA23-13	p/m-Xylene	ND	1.74	UJ	Other
L2316803	IA23-15	p/m-Xylene	5.21	1.74	J	Other
L2316803	IA23-01B	Styrene	ND	0.852	UJ	Other
L2316803	IA23-11	Styrene	ND	0.852	UJ	Other
L2316803	IA23-12	Styrene	ND	0.852	UJ	Other
L2316803	IA23-13	Styrene	ND	0.852	UJ	Other
L2316803	IA23-15	Styrene	ND	0.852	UJ	Other
L2316803	IA23-01B	Tertiary butyl Alcohol	ND	1.52	UJ	Other
L2316803	IA23-11	Tertiary butyl Alcohol	ND	1.52	UJ	Other
L2316803	IA23-12	Tertiary butyl Alcohol	ND	1.52	UJ	Other
L2316803	IA23-13	Tertiary butyl Alcohol	ND	1.52	UJ	Other
L2316803	IA23-15	Tertiary butyl Alcohol	ND	1.52	UJ	Other
L2316803	IA23-01B	Tetrachloroethene	4.53	0.136	J	Other
L2316803	IA23-11	Tetrachloroethene	7.12	0.136	J	Other
L2316803	IA23-12	Tetrachloroethene	4.6	0.136	J	Other
L2316803	IA23-13	Tetrachloroethene	4.65	0.136	J	Other
L2316803	IA23-15	Tetrachloroethene	2.8	0.136	J	Other
L2316803	IA23-01B	Tetrahydrofuran	ND	1.47	UJ	Other
L2316803	IA23-11	Tetrahydrofuran	ND	1.47	UJ	Other
L2316803	IA23-12	Tetrahydrofuran	3.27	1.47	J	Other
L2316803	IA23-13	Tetrahydrofuran	5.34	1.47	J	Other
L2316803	IA23-15	Tetrahydrofuran	ND	1.47	UJ	Other
L2316803	IA23-01B	Toluene	1.56	0.754	J	Other
L2316803	IA23-11	Toluene	3.13	0.754	J	Other
L2316803	IA23-12	Toluene	3.17	0.754	J	Other
L2316803	IA23-13	Toluene	2.34	0.754	J	Other
L2316803	IA23-15	Toluene	2.8	0.754	J	Other
L2316803	IA23-01B	trans-1,2-Dichloroethene	ND	0.793	UJ	Other
L2316803	IA23-11	trans-1,2-Dichloroethene	ND	0.793	UJ	Other
L2316803	IA23-12	trans-1,2-Dichloroethene	ND	0.793	UJ	Other
L2316803	IA23-13	trans-1,2-Dichloroethene	ND	0.793	UJ	Other
L2316803	IA23-15	trans-1,2-Dichloroethene	ND	0.793	UJ	Other
L2316803	IA23-01B	trans-1,3-Dichloropropene	ND	0.908	UJ	Other
L2316803	IA23-11	trans-1,3-Dichloropropene	ND	0.908	UJ	Other
L2316803	IA23-12	trans-1,3-Dichloropropene	ND	0.908	UJ	Other
L2316803	IA23-13	trans-1,3-Dichloropropene	ND	0.908	UJ	Other

Table 3-1. Summary of Qualified Data

SDG	Sample	Analyte	Method Reporting		DV Qualifier	DV Qualifier Reason
			Result (µg/m ³)	Limit (µg/m ³)		
L2316803	IA23-15	trans-1,3-Dichloropropene	ND	0.908	UJ	Other
L2316803	IA23-01B	Trichloroethene	ND	0.107	UJ	Other
L2316803	IA23-11	Trichloroethene	0.177	0.107	J	Other
L2316803	IA23-12	Trichloroethene	0.183	0.107	J	Other
L2316803	IA23-13	Trichloroethene	0.172	0.107	J	Other
L2316803	IA23-15	Trichloroethene	ND	0.107	UJ	Other
L2316803	IA23-01B	Trichlorofluoromethane	1.26	1.12	J	Other
L2316803	IA23-11	Trichlorofluoromethane	1.37	1.12	J	Other
L2316803	IA23-12	Trichlorofluoromethane	1.36	1.12	J	Other
L2316803	IA23-13	Trichlorofluoromethane	1.31	1.12	J	Other
L2316803	IA23-15	Trichlorofluoromethane	1.31	1.12	J	Other
L2316803	IA23-01B	Vinyl bromide	ND	0.874	UJ	Other
L2316803	IA23-11	Vinyl bromide	ND	0.874	UJ	Other
L2316803	IA23-12	Vinyl bromide	ND	0.874	UJ	Other
L2316803	IA23-13	Vinyl bromide	ND	0.874	UJ	Other
L2316803	IA23-15	Vinyl bromide	ND	0.874	UJ	Other
L2316803	IA23-01B	Vinyl chloride	ND	0.051	UJ	Other
L2316803	IA23-11	Vinyl chloride	ND	0.051	UJ	Other
L2316803	IA23-12	Vinyl chloride	0.179	0.051	J	Other
L2316803	IA23-13	Vinyl chloride	0.069	0.051	J	Other
L2316803	IA23-15	Vinyl chloride	ND	0.051	UJ	Other

Notes:

Data Qualifiers:

DV = data validation

J = The associated numerical value is an estimated quantity.

LCS = laboratory control sample

UJ = The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

Other = described in report

Appendix D

2023 Air Sampling Tenant Notification Letters



Integral Engineering, P.C.
31 West 34th Street
Suite 7196
New York, NY 10001
www.integral-corp.com

Alexander Sussman
Apartment C-2
135 Kent Avenue
Brooklyn, NY 11249

Subject: **Indoor Air Sampling Results**

Dear Mr. Sussman:

On March 29, 2023, Integral Engineering, P.C., (Integral) the environmental consultant for the building owner, placed an indoor air sample canister in your apartment. The canister collected air for 24 hours at breathing level height. The results are being used to evaluate if tetrachloroethylene (PCE) or trichloroethene (TCE) soil vapors from contaminated sub-slab soil or groundwater beneath 135 Kent Avenue are affecting the indoor air quality through a process known as soil vapor intrusion (see enclosed fact sheet). The PCE air concentration detected in the indoor air of your apartment was 7.12 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$); the TCE air concentration detected in the indoor air of your apartment was 0.177 $\mu\text{g}/\text{m}^3$. The March 2023 PCE and TCE indoor air concentrations for your apartment are below the New York State Department of Health (NYSDOH) indoor air guideline values of 30 $\mu\text{g}/\text{m}^3$ (for PCE) and 2 $\mu\text{g}/\text{m}^3$ (for TCE), respectively. In addition, several other volatile organic compounds were detected at levels similar to what we would expect to find within indoor air in most residential and commercial buildings in New York City. A summary table of results for your apartment and from sampling in the second-floor hallway and outside the building is attached to this letter, in addition to lab data sheets and two NYSDOH fact sheets.

Should you have any questions regarding the environmental investigation, please contact the New York State Department of Environmental Conservation (NYSDEC) Project Manager, Wendi Zheng, at (718) 482-7541. Site-related health questions can be directed to the NYSDOH Project Manager, Mrs. Renata Ockerby, at (518) 402-7860.

Please feel free to contact me at any time if you have questions about the indoor air sampling results or the building's treatment systems.

Sincerely,

Sara Barbuto
Integral Engineering, P.C.
Phone: 207.800.3803
sbarbuto@integral-corp.com

Table 1. March 2023 Air Sample Results

			Location ID:	IA23-11	OA23-01	OA23-02	IA23-09	IA23-10
			Sample Location:	Apt. C-2	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
			Floor:	2nd Floor	Outside	Outside	2nd Floor	2nd Floor
			Collection Period:	24-hr	8-hr	24-hr	8-hr	8-hr
			Sample Date:	3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
			Lab Sample ID:	L2316803-12	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH								
Parameter	AGV	Units	Result	Result	Result	Result	Result	Result
1,1,1-Trichloroethane	NS	µg/m ³	0.109 UJ	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U
1,1,2,2-Tetrachloroethane	NS	µg/m ³	1.37 UJ	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane	NS	µg/m ³	1.09 UJ	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	NS	µg/m ³	0.809 UJ	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	NS	µg/m ³	0.079 UJ	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
1,2,4-Trichlorobenzene	NS	µg/m ³	1.48 UJ	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	NS	µg/m ³	1.78 J	0.983 U	0.983 U	1.02	0.983 U	0.983 U
1,2-Dibromoethane	NS	µg/m ³	1.54 UJ	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	NS	µg/m ³	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	NS	µg/m ³	0.809 UJ	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	NS	µg/m ³	0.924 UJ	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene	NS	µg/m ³	0.983 UJ	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene	NS	µg/m ³	0.442 UJ	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	NS	µg/m ³	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	µg/m ³	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	NS	µg/m ³	0.721 UJ	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	NS	µg/m ³	0.934 UJ	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U
2-Butanone	NS	µg/m ³	2.17 J	1.47 U	1.47 U	1.52	2.13	2.13
2-Hexanone	NS	µg/m ³	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
3-Chloropropene	NS	µg/m ³	0.626 UJ	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
4-Ethyltoluene	NS	µg/m ³	0.983 UJ	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
4-Methyl-2-pentanone	NS	µg/m ³	2.05 UJ	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U
Acetone	NS	µg/m ³	91.7 J	9.67	5.51	21.7	53.4	53.4
Benzene	NS	µg/m ³	0.639 UJ	0.642	0.639 U	0.639 U	0.639 U	0.639 U
Benzyl chloride	NS	µg/m ³	1.04 UJ	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	NS	µg/m ³	1.34 UJ	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	NS	µg/m ³	2.07 UJ	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	NS	µg/m ³	0.777 UJ	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon disulfide	NS	µg/m ³	0.623 UJ	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U
Carbon tetrachloride	NS	µg/m ³	0.862 J	0.598 J	0.635 J	0.604 J	0.598 J	0.598 J
Chlorobenzene	NS	µg/m ³	0.921 UJ	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	NS	µg/m ³	0.528 UJ	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	NS	µg/m ³	3.11 J	0.977 U	0.977 U	1.13	1.82	1.82
Chloromethane	NS	µg/m ³	1.91 J	1.02	0.995	1.16	1.23	1.23
cis-1,2-Dichloroethene	NS	µg/m ³	0.206 J	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
cis-1,3-Dichloropropene	NS	µg/m ³	0.908 UJ	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	NS	µg/m ³	0.688 UJ	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
Dibromochloromethane	NS	µg/m ³	1.7 UJ	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	NS	µg/m ³	2.59 J	2.51	2.51	2.5	2.53	2.53
Ethanol	NS	µg/m ³	364 J	18.2	9.76	110	226	226
Ethyl Acetate	NS	µg/m ³	2.76 J	1.8 U	1.8 U	3.75	19.7	19.7
Ethylbenzene	NS	µg/m ³	0.869 UJ	0.869 U	0.869 U	0.869 U	1.4	1.4
Freon-113	NS	µg/m ³	1.53 UJ	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
Freon-114	NS	µg/m ³	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Heptane	NS	µg/m ³	1.12 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	NS	µg/m ³	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ
Isopropanol	NS	µg/m ³	10.1 J	1.68	1.23 U	12.9	45.2	45.2

Table 1. March 2023 Air Sample Results

Location ID:			IA23-11	OA23-01	OA23-02	IA23-09	IA23-10
Sample Location:			Apt. C-2	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
Floor:			2nd Floor	Outside	Outside	2nd Floor	2nd Floor
Collection Period:			24-hr	8-hr	24-hr	8-hr	8-hr
Sample Date:			3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
Lab Sample ID:			L2316803-12	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH							
Parameter	AGV	Units	Result	Result	Result	Result	Result
Methyl tert butyl ether	NS	µg/m ³	0.721 UJ	0.721 U	0.721 U	0.721 U	0.721 U
Methylene chloride	60	µg/m ³	1.74 UJ	1.92	1.74 U	1.74 U	1.74 U
n-Hexane	NS	µg/m ³	0.705 UJ	0.705 U	0.705 U	0.705 U	0.705 U
o-Xylene	NS	µg/m ³	0.869 UJ	0.869 U	0.869 U	0.869 U	0.869 U
p/m-Xylene	NS	µg/m ³	1.74 UJ	1.74 U	1.74 U	1.74 U	2.63
Styrene	NS	µg/m ³	0.852 UJ	0.852 U	0.852 U	0.852 U	0.852 U
Tertiary butyl Alcohol	NS	µg/m ³	1.52 UJ	1.52 U	1.52 U	1.52 U	1.52 U
Tetrachloroethene	30	µg/m ³	7.12 J	2.07	0.203	3.51	3.9
Tetrahydrofuran	NS	µg/m ³	1.47 UJ	1.47 U	1.47 U	1.47 U	1.57
Toluene	NS	µg/m ³	3.13 J	4.26	1.89	2.44	2.09
trans-1,2-Dichloroethene	NS	µg/m ³	0.793 UJ	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,3-Dichloropropene	NS	µg/m ³	0.908 UJ	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethene	2	µg/m ³	0.177 J	0.107 U	0.107 U	0.107 U	0.107 U
Trichlorofluoromethane	NS	µg/m ³	1.37 J	1.32	1.32	1.33	1.36
Vinyl bromide	NS	µg/m ³	0.874 UJ	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	NS	µg/m ³	0.051 UJ	0.051 U	0.051 U	0.051 U	0.051 U

Notes:

NS = no standard

NYSDOH AGV = New York State Department of Health air guideline value

J = Parameter detected but result is estimated

U = Parameter analyzed but not detected, laboratory reporting limit shown

Results exceeding NYSDOH AGVs are in **bold**.

Vinyl chloride, 1,1,1-trichloroethene, 1,1-dichloroethene, cis-1,2-dichloroethene, carbon tetrachloride, tetrachloroethene, and trichloroethene analyzed by laboratory method TO-15 SIM; all other parameters analyzed by TO-15.

Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-12
 Client ID: IA23-11
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:54
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 06:14
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.524	0.200	--	2.59	0.989	--		1
Chloromethane	0.924	0.200	--	1.91	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	193	5.00	--	364	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	38.6	1.00	--	91.7	2.38	--		1
Trichlorofluoromethane	0.243	0.200	--	1.37	1.12	--		1
Isopropanol	4.09	0.500	--	10.1	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.737	0.500	--	2.17	1.47	--		1
Ethyl Acetate	0.766	0.500	--	2.76	1.80	--		1
Chloroform	0.637	0.200	--	3.11	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-12

Date Collected: 03/30/23 10:54

Client ID: IA23-11

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.274	0.200	--	1.12	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.831	0.200	--	3.13	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-12

Date Collected: 03/30/23 10:54

Client ID: IA23-11

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.362	0.200	--	1.78	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

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



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-12
 Client ID: IA23-11
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:54
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 06:14
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.052	0.020	--	0.206	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.137	0.020	--	0.862	0.126	--		1
Trichloroethene	0.033	0.020	--	0.177	0.107	--		1
Tetrachloroethene	1.05	0.020	--	7.12	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140





Integral Engineering, P.C.
31 West 34th Street
Suite 7196
New York, NY 10001
www.integral-corp.com

Apartment C-3
135 Kent Avenue
Brooklyn, NY 11249

Subject: **Indoor Air Sampling Results**

Dear Resident:

On March 29, 2023, Integral Engineering, P.C., (Integral) the environmental consultant for the building owner, placed an indoor air sample canister in your apartment. The canister collected air for 24 hours at breathing level height. The results are being used to evaluate if tetrachloroethylene (PCE) or trichloroethene (TCE) soil vapors from contaminated sub-slab soil or groundwater beneath 135 Kent Avenue are affecting the indoor air quality through a process known as soil vapor intrusion (see enclosed fact sheet). The PCE air concentration detected in the indoor air of your apartment was 4.6 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$); the TCE air concentration detected in the indoor air of your apartment was 0.183 $\mu\text{g}/\text{m}^3$. The March 2023 PCE and TCE indoor air concentrations for your apartment are below the New York State Department of Health (NYSDOH) indoor air guideline values of 30 $\mu\text{g}/\text{m}^3$ (for PCE) and 2 $\mu\text{g}/\text{m}^3$ (for TCE), respectively. In addition, several other volatile organic compounds were detected at levels similar to what we would expect to find within indoor air in most residential and commercial buildings in New York City. A summary table of results for your apartment and from sampling in the second-floor hallway and outside the building is attached to this letter, in addition to lab data sheets and two NYSDOH fact sheets.

Should you have any questions regarding the environmental investigation, please contact the New York State Department of Environmental Conservation (NYSDEC) Project Manager, Wendi Zheng, at (718) 482-7541. Site-related health questions can be directed to the NYSDOH Project Manager, Mrs. Renata Ockerby, at (518) 402-7860.

Please feel free to contact me at any time if you have questions about the indoor air sampling results or the building's treatment systems.

Sincerely,

Sara Barbuto
Integral Engineering, P.C.
Phone: 207.800.3803
sbarbuto@integral-corp.com

Table 1. March 2023 Air Sample Results

			Location ID:	IA23-12	OA23-01	OA23-02	IA23-09	IA23-10
			Sample Location:	Apt. C-3	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
			Floor:	2nd Floor	Outside	Outside	2nd Floor	2nd Floor
			Collection Period:	24-hr	8-hr	24-hr	8-hr	8-hr
			Sample Date:	3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
			Lab Sample ID:	L2316803-13	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH								
Parameter	AGV	Units	Result	Result	Result	Result	Result	Result
1,1,1-Trichloroethane	NS	µg/m ³	0.109 UJ	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U
1,1,2,2-Tetrachloroethane	NS	µg/m ³	1.37 UJ	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane	NS	µg/m ³	1.09 UJ	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	NS	µg/m ³	0.809 UJ	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	NS	µg/m ³	0.079 UJ	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
1,2,4-Trichlorobenzene	NS	µg/m ³	1.48 UJ	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	NS	µg/m ³	1.8 J	0.983 U	0.983 U	1.02	0.983 U	0.983 U
1,2-Dibromoethane	NS	µg/m ³	1.54 UJ	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	NS	µg/m ³	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	NS	µg/m ³	0.809 UJ	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	NS	µg/m ³	0.924 UJ	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene	NS	µg/m ³	0.983 UJ	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene	NS	µg/m ³	0.442 UJ	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	NS	µg/m ³	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	µg/m ³	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	NS	µg/m ³	0.721 UJ	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	NS	µg/m ³	0.934 UJ	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U
2-Butanone	NS	µg/m ³	1.82 J	1.47 U	1.47 U	1.52	2.13	
2-Hexanone	NS	µg/m ³	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
3-Chloropropene	NS	µg/m ³	0.626 UJ	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
4-Ethyltoluene	NS	µg/m ³	0.983 UJ	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
4-Methyl-2-pentanone	NS	µg/m ³	2.05 UJ	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U
Acetone	NS	µg/m ³	41.6 J	9.67	5.51	21.7	53.4	
Benzene	NS	µg/m ³	0.783 J	0.642	0.639 U	0.639 U	0.639 U	0.639 U
Benzyl chloride	NS	µg/m ³	1.04 UJ	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	NS	µg/m ³	1.34 UJ	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	NS	µg/m ³	2.07 UJ	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	NS	µg/m ³	0.777 UJ	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon disulfide	NS	µg/m ³	0.623 UJ	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U
Carbon tetrachloride	NS	µg/m ³	1.62 J	0.598 J	0.635 J	0.604 J	0.598 J	
Chlorobenzene	NS	µg/m ³	0.921 UJ	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	NS	µg/m ³	0.528 UJ	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	NS	µg/m ³	2.5 J	0.977 U	0.977 U	1.13	1.82	
Chloromethane	NS	µg/m ³	1.37 J	1.02	0.995	1.16	1.23	
cis-1,2-Dichloroethene	NS	µg/m ³	0.135 J	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
cis-1,3-Dichloropropene	NS	µg/m ³	0.908 UJ	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	NS	µg/m ³	0.688 UJ	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
Dibromochloromethane	NS	µg/m ³	1.7 UJ	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	NS	µg/m ³	2.63 J	2.51	2.51	2.5	2.53	
Ethanol	NS	µg/m ³	360 J	18.2	9.76	110	226	
Ethyl Acetate	NS	µg/m ³	2.96 J	1.8 U	1.8 U	3.75	19.7	
Ethylbenzene	NS	µg/m ³	1.02 J	0.869 U	0.869 U	0.869 U	1.4	
Freon-113	NS	µg/m ³	1.53 UJ	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
Freon-114	NS	µg/m ³	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Heptane	NS	µg/m ³	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	NS	µg/m ³	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ
Isopropanol	NS	µg/m ³	20.9 J	1.68	1.23 U	12.9	45.2	

Table 1. March 2023 Air Sample Results

		Location ID:	IA23-12	OA23-01	OA23-02	IA23-09	IA23-10
		Sample Location:	Apt. C-3	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
		Floor:	2nd Floor	Outside	Outside	2nd Floor	2nd Floor
		Collection Period:	24-hr	8-hr	24-hr	8-hr	8-hr
		Sample Date:	3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
		Lab Sample ID:	L2316803-13	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH							
Parameter	AGV	Units	Result	Result	Result	Result	Result
Methyl tert butyl ether	NS	µg/m ³	0.721 UJ	0.721 U	0.721 U	0.721 U	0.721 U
Methylene chloride	60	µg/m ³	1.74 UJ	1.92	1.74 U	1.74 U	1.74 U
n-Hexane	NS	µg/m ³	0.705 UJ	0.705 U	0.705 U	0.705 U	0.705 U
o-Xylene	NS	µg/m ³	0.869 UJ	0.869 U	0.869 U	0.869 U	0.869 U
p/m-Xylene	NS	µg/m ³	1.8 J	1.74 U	1.74 U	1.74 U	2.63
Styrene	NS	µg/m ³	0.852 UJ	0.852 U	0.852 U	0.852 U	0.852 U
Tertiary butyl Alcohol	NS	µg/m ³	1.52 UJ	1.52 U	1.52 U	1.52 U	1.52 U
Tetrachloroethene	30	µg/m ³	4.6 J	2.07	0.203	3.51	3.9
Tetrahydrofuran	NS	µg/m ³	3.27 J	1.47 U	1.47 U	1.47 U	1.57
Toluene	NS	µg/m ³	3.17 J	4.26	1.89	2.44	2.09
trans-1,2-Dichloroethene	NS	µg/m ³	0.793 UJ	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,3-Dichloropropene	NS	µg/m ³	0.908 UJ	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethene	2	µg/m ³	0.183 J	0.107 U	0.107 U	0.107 U	0.107 U
Trichlorofluoromethane	NS	µg/m ³	1.36 J	1.32	1.32	1.33	1.36
Vinyl bromide	NS	µg/m ³	0.874 UJ	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	NS	µg/m ³	0.179 J	0.051 U	0.051 U	0.051 U	0.051 U

Notes:

NS = no standard

NYSDOH AGV = New York State Department of Health air guideline value

J = Parameter detected but result is estimated

U = Parameter analyzed but not detected, laboratory reporting limit shown

Results exceeding NYSDOH AGVs are in **bold**.

Vinyl chloride, 1,1,1-trichloroethene, 1,1-dichloroethene, cis-1,2-dichloroethene, carbon tetrachloride, tetrachloroethene, and trichloroethene analyzed by laboratory method TO-15 SIM; all other parameters analyzed by TO-15.

Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-13
 Client ID: IA23-12
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:56
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 06:53
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.531	0.200	--	2.63	0.989	--		1
Chloromethane	0.665	0.200	--	1.37	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	191	5.00	--	360	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	17.5	1.00	--	41.6	2.38	--		1
Trichlorofluoromethane	0.242	0.200	--	1.36	1.12	--		1
Isopropanol	8.51	0.500	--	20.9	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.617	0.500	--	1.82	1.47	--		1
Ethyl Acetate	0.822	0.500	--	2.96	1.80	--		1
Chloroform	0.512	0.200	--	2.50	0.977	--		1
Tetrahydrofuran	1.11	0.500	--	3.27	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-13

Client ID: IA23-12

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:56

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.245	0.200	--	0.783	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.840	0.200	--	3.17	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.234	0.200	--	1.02	0.869	--		1
p/m-Xylene	0.415	0.400	--	1.80	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-13

Date Collected: 03/30/23 10:56

Client ID: IA23-12

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.366	0.200	--	1.80	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

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



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-13
 Client ID: IA23-12
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:56
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 06:53
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.070	0.020	--	0.179	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.034	0.020	--	0.135	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.258	0.020	--	1.62	0.126	--		1
Trichloroethene	0.034	0.020	--	0.183	0.107	--		1
Tetrachloroethene	0.679	0.020	--	4.60	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140





Integral Engineering, P.C.
31 West 34th Street
Suite 7196
New York, NY 10001
www.integral-corp.com

Apartment C-4
135 Kent Avenue
Brooklyn, NY 11249

Subject: **Indoor Air Sampling Results**

Dear Resident:

On March 29, 2023, Integral Engineering, P.C., (Integral) the environmental consultant for the building owner, placed an indoor air sample canister in your apartment. The canister collected air for 24 hours at breathing level height. The results are being used to evaluate if tetrachloroethylene (PCE) or trichloroethene (TCE) soil vapors from contaminated sub-slab soil or groundwater beneath 135 Kent Avenue are affecting the indoor air quality through a process known as soil vapor intrusion (see enclosed fact sheet). The PCE air concentration detected in the indoor air of your apartment was 4.65 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$); the TCE air concentration detected in the indoor air of your apartment was $0.172 \mu\text{g}/\text{m}^3$. The March 2023 PCE and TCE indoor air concentrations for your apartment are below the New York State Department of Health (NYSDOH) indoor air guideline values of $30 \mu\text{g}/\text{m}^3$ (for PCE) and $2 \mu\text{g}/\text{m}^3$ (for TCE), respectively. In addition, several other volatile organic compounds were detected at levels similar to what we would expect to find within indoor air in most residential and commercial buildings in New York City. A summary table of results for your apartment and from sampling in the second-floor hallway and outside the building is attached to this letter, in addition to lab data sheets and two NYSDOH fact sheets.

Should you have any questions regarding the environmental investigation, please contact the New York State Department of Environmental Conservation (NYSDEC) Project Manager, Wendi Zheng, at (718) 482-7541. Site-related health questions can be directed to the NYSDOH Project Manager, Mrs. Renata Ockerby, at (518) 402-7860.

Please feel free to contact me at any time if you have questions about the indoor air sampling results or the building's treatment systems.

Sincerely,

Sara Barbuto
Integral Engineering, P.C.
Phone: 207.800.3803
sbarbuto@integral-corp.com

Table 1. March 2023 Air Sample Results

			Location ID:	IA23-13	OA23-01	OA23-02	IA23-09	IA23-10
			Sample Location:	Apt. C-4	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
			Floor:	2nd Floor	Outside	Outside	2nd Floor	2nd Floor
			Collection Period:	24-hr	8-hr	24-hr	8-hr	8-hr
			Sample Date:	3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
			Lab Sample ID:	L2316803-14	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH								
Parameter	AGV	Units	Result	Result	Result	Result	Result	Result
1,1,1-Trichloroethane	NS	µg/m ³	0.109 UJ	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U
1,1,2,2-Tetrachloroethane	NS	µg/m ³	1.37 UJ	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane	NS	µg/m ³	1.09 UJ	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	NS	µg/m ³	0.809 UJ	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	NS	µg/m ³	0.079 UJ	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
1,2,4-Trichlorobenzene	NS	µg/m ³	1.48 UJ	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	NS	µg/m ³	3.27 J	0.983 U	0.983 U	1.02	0.983 U	0.983 U
1,2-Dibromoethane	NS	µg/m ³	1.54 UJ	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	NS	µg/m ³	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	NS	µg/m ³	0.809 UJ	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	NS	µg/m ³	0.924 UJ	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene	NS	µg/m ³	1.32 J	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene	NS	µg/m ³	0.442 UJ	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	NS	µg/m ³	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	µg/m ³	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	NS	µg/m ³	0.721 UJ	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	NS	µg/m ³	0.934 UJ	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U
2-Butanone	NS	µg/m ³	1.54 J	1.47 U	1.47 U	1.52	2.13	
2-Hexanone	NS	µg/m ³	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
3-Chloropropene	NS	µg/m ³	0.626 UJ	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
4-Ethyltoluene	NS	µg/m ³	0.983 UJ	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
4-Methyl-2-pentanone	NS	µg/m ³	2.05 UJ	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U
Acetone	NS	µg/m ³	37.1 J	9.67	5.51	21.7	53.4	
Benzene	NS	µg/m ³	0.639 UJ	0.642	0.639 U	0.639 U	0.639 U	0.639 U
Benzyl chloride	NS	µg/m ³	1.04 UJ	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	NS	µg/m ³	1.34 UJ	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	NS	µg/m ³	2.07 UJ	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	NS	µg/m ³	0.777 UJ	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon disulfide	NS	µg/m ³	0.623 UJ	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U
Carbon tetrachloride	NS	µg/m ³	0.811 J	0.598 J	0.635 J	0.604 J	0.598 J	
Chlorobenzene	NS	µg/m ³	0.921 UJ	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	NS	µg/m ³	0.528 UJ	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	NS	µg/m ³	2.42 J	0.977 U	0.977 U	1.13	1.82	
Chloromethane	NS	µg/m ³	1.23 J	1.02	0.995	1.16	1.23	
cis-1,2-Dichloroethene	NS	µg/m ³	0.111 J	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
cis-1,3-Dichloropropene	NS	µg/m ³	0.908 UJ	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	NS	µg/m ³	0.688 UJ	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
Dibromochloromethane	NS	µg/m ³	1.7 UJ	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	NS	µg/m ³	2.63 J	2.51	2.51	2.5	2.53	
Ethanol	NS	µg/m ³	401 J	18.2	9.76	110	226	
Ethyl Acetate	NS	µg/m ³	2.98 J	1.8 U	1.8 U	3.75	19.7	
Ethylbenzene	NS	µg/m ³	0.869 UJ	0.869 U	0.869 U	0.869 U	1.4	
Freon-113	NS	µg/m ³	1.53 UJ	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
Freon-114	NS	µg/m ³	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Heptane	NS	µg/m ³	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	NS	µg/m ³	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ
Isopropanol	NS	µg/m ³	21.9 J	1.68	1.23 U	12.9	45.2	

Table 1. March 2023 Air Sample Results

Location ID:			IA23-13	OA23-01	OA23-02	IA23-09	IA23-10
Sample Location:			Apt. C-4	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
Floor:			2nd Floor	Outside	Outside	2nd Floor	2nd Floor
Collection Period:			24-hr	8-hr	24-hr	8-hr	8-hr
Sample Date:			3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
Lab Sample ID:			L2316803-14	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH							
Parameter	AGV	Units	Result	Result	Result	Result	Result
Methyl tert butyl ether	NS	µg/m ³	0.721 UJ	0.721 U	0.721 U	0.721 U	0.721 U
Methylene chloride	60	µg/m ³	1.74 UJ	1.92	1.74 U	1.74 U	1.74 U
n-Hexane	NS	µg/m ³	0.846 J	0.705 U	0.705 U	0.705 U	0.705 U
o-Xylene	NS	µg/m ³	0.869 UJ	0.869 U	0.869 U	0.869 U	0.869 U
p/m-Xylene	NS	µg/m ³	1.74 UJ	1.74 U	1.74 U	1.74 U	2.63
Styrene	NS	µg/m ³	0.852 UJ	0.852 U	0.852 U	0.852 U	0.852 U
Tertiary butyl Alcohol	NS	µg/m ³	1.52 UJ	1.52 U	1.52 U	1.52 U	1.52 U
Tetrachloroethene	30	µg/m ³	4.65 J	2.07	0.203	3.51	3.9
Tetrahydrofuran	NS	µg/m ³	5.34 J	1.47 U	1.47 U	1.47 U	1.57
Toluene	NS	µg/m ³	2.34 J	4.26	1.89	2.44	2.09
trans-1,2-Dichloroethene	NS	µg/m ³	0.793 UJ	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,3-Dichloropropene	NS	µg/m ³	0.908 UJ	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethene	2	µg/m ³	0.172 J	0.107 U	0.107 U	0.107 U	0.107 U
Trichlorofluoromethane	NS	µg/m ³	1.31 J	1.32	1.32	1.33	1.36
Vinyl bromide	NS	µg/m ³	0.874 UJ	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	NS	µg/m ³	0.069 J	0.051 U	0.051 U	0.051 U	0.051 U

Notes:

NS = no standard

NYSDOH AGV = New York State Department of Health air guideline value

J = Parameter detected but result is estimated

U = Parameter analyzed but not detected, laboratory reporting limit shown

Results exceeding NYSDOH AGVs are in **bold**.

Vinyl chloride, 1,1,1-trichloroethene, 1,1-dichloroethene, cis-1,2-dichloroethene, carbon tetrachloride, tetrachloroethene, and trichloroethene analyzed by laboratory method TO-15 SIM; all other parameters analyzed by TO-15.

Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-14
 Client ID: IA23-13
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:59
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 07:32
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.532	0.200	--	2.63	0.989	--		1
Chloromethane	0.597	0.200	--	1.23	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	213	5.00	--	401	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	15.6	1.00	--	37.1	2.38	--		1
Trichlorofluoromethane	0.234	0.200	--	1.31	1.12	--		1
Isopropanol	8.91	0.500	--	21.9	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.522	0.500	--	1.54	1.47	--		1
Ethyl Acetate	0.828	0.500	--	2.98	1.80	--		1
Chloroform	0.496	0.200	--	2.42	0.977	--		1
Tetrahydrofuran	1.81	0.500	--	5.34	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-14

Client ID: IA23-13

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:59

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.240	0.200	--	0.846	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.621	0.200	--	2.34	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.268	0.200	--	1.32	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-14

Date Collected: 03/30/23 10:59

Client ID: IA23-13

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.665	0.200	--	3.27	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-14
 Client ID: IA23-13
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:59
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 07:32
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.027	0.020	--	0.069	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.028	0.020	--	0.111	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.129	0.020	--	0.811	0.126	--		1
Trichloroethene	0.032	0.020	--	0.172	0.107	--		1
Tetrachloroethene	0.685	0.020	--	4.65	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140





Integral Engineering, P.C.
31 West 34th Street
Suite 7196
New York, NY 10001
www.integral-corp.com

Apartment C-5
135 Kent Avenue
Brooklyn, NY 11249

Subject: **Indoor Air Sampling Results**

Dear Resident:

On March 29, 2023, Integral Engineering, P.C., (Integral) the environmental consultant for the building owner, placed an indoor air sample canister in your apartment. The canister collected air for 24 hours at breathing level height. The results are being used to evaluate if tetrachloroethylene (PCE) or trichloroethene (TCE) soil vapors from contaminated sub-slab soil or groundwater beneath 135 Kent Avenue are affecting the indoor air quality through a process known as soil vapor intrusion (see enclosed fact sheet). The PCE air concentration detected in the indoor air of your apartment was 3.68 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$); the TCE air concentration detected in the indoor air of your apartment was 0.118 $\mu\text{g}/\text{m}^3$. The March 2023 PCE and TCE indoor air concentrations for your apartment are below the New York State Department of Health (NYSDOH) indoor air guideline values of 30 $\mu\text{g}/\text{m}^3$ (for PCE) and 2 $\mu\text{g}/\text{m}^3$ (for TCE), respectively. In addition, several other volatile organic compounds were detected at levels similar to what we would expect to find within indoor air in most residential and commercial buildings in New York City. A summary table of results for your apartment and from sampling in the second-floor hallway and outside the building is attached to this letter, in addition to lab data sheets and two NYSDOH fact sheets.

Should you have any questions regarding the environmental investigation, please contact the New York State Department of Environmental Conservation (NYSDEC) Project Manager, Wendi Zheng, at (718) 482-7541. Site-related health questions can be directed to the NYSDOH Project Manager, Mrs. Renata Ockerby, at (518) 402-7860.

Please feel free to contact me at any time if you have questions about the indoor air sampling results or the building's treatment systems.

Sincerely,

Sara Barbuto
Integral Engineering, P.C.
Phone: 207.800.3803
sbarbuto@integral-corp.com

Table 1. March 2023 Air Sample Results

Location ID:			IA23-14	OA23-01	OA23-02	IA23-09	IA23-10
Sample Location:			Apt. C-5	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
Floor:			2nd Floor	Outside	Outside	2nd Floor	2nd Floor
Collection Period:			24-hr	8-hr	24-hr	8-hr	8-hr
Sample Date:			3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
Lab Sample ID:			L2316803-15	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH							
Parameter	AGV	Units	Result	Result	Result	Result	Result
1,1,1-Trichloroethane	NS	µg/m ³	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U
1,1,2,2-Tetrachloroethane	NS	µg/m ³	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane	NS	µg/m ³	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	NS	µg/m ³	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	NS	µg/m ³	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
1,2,4-Trichlorobenzene	NS	µg/m ³	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	NS	µg/m ³	3.94	0.983 U	0.983 U	1.02	0.983 U
1,2-Dibromoethane	NS	µg/m ³	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	NS	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	NS	µg/m ³	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	NS	µg/m ³	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene	NS	µg/m ³	1.64	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene	NS	µg/m ³	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	NS	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	NS	µg/m ³	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	NS	µg/m ³	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U
2-Butanone	NS	µg/m ³	2.04	1.47 U	1.47 U	1.52	2.13
2-Hexanone	NS	µg/m ³	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
3-Chloropropene	NS	µg/m ³	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
4-Ethyltoluene	NS	µg/m ³	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
4-Methyl-2-pentanone	NS	µg/m ³	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U
Acetone	NS	µg/m ³	44.7	9.67	5.51	21.7	53.4
Benzene	NS	µg/m ³	0.639 U	0.642	0.639 U	0.639 U	0.639 U
Benzyl chloride	NS	µg/m ³	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	NS	µg/m ³	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	NS	µg/m ³	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	NS	µg/m ³	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon disulfide	NS	µg/m ³	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U
Carbon tetrachloride	NS	µg/m ³	0.673 J	0.598 J	0.635 J	0.604 J	0.598 J
Chlorobenzene	NS	µg/m ³	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	NS	µg/m ³	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	NS	µg/m ³	3.57	0.977 U	0.977 U	1.13	1.82
Chloromethane	NS	µg/m ³	1.22	1.02	0.995	1.16	1.23
cis-1,2-Dichloroethene	NS	µg/m ³	0.079	0.079 U	0.079 U	0.079 U	0.079 U
cis-1,3-Dichloropropene	NS	µg/m ³	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	NS	µg/m ³	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
Dibromochloromethane	NS	µg/m ³	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	NS	µg/m ³	2.5	2.51	2.51	2.5	2.53
Ethanol	NS	µg/m ³	177	18.2	9.76	110	226
Ethyl Acetate	NS	µg/m ³	2.26	1.8 U	1.8 U	3.75	19.7
Ethylbenzene	NS	µg/m ³	0.869 U	0.869 U	0.869 U	0.869 U	1.4
Freon-113	NS	µg/m ³	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
Freon-114	NS	µg/m ³	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Heptane	NS	µg/m ³	1.14	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	NS	µg/m ³	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ
Isopropanol	NS	µg/m ³	43.8	1.68	1.23 U	12.9	45.2

Table 1. March 2023 Air Sample Results

Location ID:			IA23-14	OA23-01	OA23-02	IA23-09	IA23-10
Sample Location:			Apt. C-5	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
Floor:			2nd Floor	Outside	Outside	2nd Floor	2nd Floor
Collection Period:			24-hr	8-hr	24-hr	8-hr	8-hr
Sample Date:			3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
Lab Sample ID:			L2316803-15	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH							
Parameter	AGV	Units	Result	Result	Result	Result	Result
Methyl tert butyl ether	NS	µg/m ³	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
Methylene chloride	60	µg/m ³	1.74 U	1.92	1.74 U	1.74 U	1.74 U
n-Hexane	NS	µg/m ³	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U
o-Xylene	NS	µg/m ³	1.39	0.869 U	0.869 U	0.869 U	0.869 U
p/m-Xylene	NS	µg/m ³	2.41	1.74 U	1.74 U	1.74 U	2.63
Styrene	NS	µg/m ³	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U
Tertiary butyl Alcohol	NS	µg/m ³	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U
Tetrachloroethene	30	µg/m ³	3.68	2.07	0.203	3.51	3.9
Tetrahydrofuran	NS	µg/m ³	1.47 U	1.47 U	1.47 U	1.47 U	1.57
Toluene	NS	µg/m ³	3.4	4.26	1.89	2.44	2.09
trans-1,2-Dichloroethene	NS	µg/m ³	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,3-Dichloropropene	NS	µg/m ³	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethene	2	µg/m ³	0.118	0.107 U	0.107 U	0.107 U	0.107 U
Trichlorofluoromethane	NS	µg/m ³	1.35	1.32	1.32	1.33	1.36
Vinyl bromide	NS	µg/m ³	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	NS	µg/m ³	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U

Notes:

NS = no standard

NYSDOH AGV = New York State Department of Health air guideline value

J = Parameter detected but result is estimated

U = Parameter analyzed but not detected, laboratory reporting limit shown

Results exceeding NYSDOH AGVs are in **bold**.

Vinyl chloride, 1,1,1-trichloroethene, 1,1-dichloroethene, cis-1,2-dichloroethene, carbon tetrachloride, tetrachloroethene, and trichloroethene analyzed by laboratory method TO-15 SIM; all other parameters analyzed by TO-15.

Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-15
 Client ID: IA23-14
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:27
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 08:10
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.506	0.200	--	2.50	0.989	--		1
Chloromethane	0.593	0.200	--	1.22	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	94.0	5.00	--	177	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	18.8	1.00	--	44.7	2.38	--		1
Trichlorofluoromethane	0.240	0.200	--	1.35	1.12	--		1
Isopropanol	17.8	0.500	--	43.8	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.693	0.500	--	2.04	1.47	--		1
Ethyl Acetate	0.628	0.500	--	2.26	1.80	--		1
Chloroform	0.732	0.200	--	3.57	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-15

Date Collected: 03/30/23 10:27

Client ID: IA23-14

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.278	0.200	--	1.14	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.901	0.200	--	3.40	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.554	0.400	--	2.41	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.320	0.200	--	1.39	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.334	0.200	--	1.64	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-15

Date Collected: 03/30/23 10:27

Client ID: IA23-14

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.802	0.200	--	3.94	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-15
 Client ID: IA23-14
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:27
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 08:10
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.020	0.020	--	0.079	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.107	0.020	--	0.673	0.126	--		1
Trichloroethene	0.022	0.020	--	0.118	0.107	--		1
Tetrachloroethene	0.542	0.020	--	3.68	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140





Integral Engineering, P.C.
31 West 34th Street
Suite 7196
New York, NY 10001
www.integral-corp.com

Apartment C-6
135 Kent Avenue
Brooklyn, NY 11249

Subject: **Indoor Air Sampling Results**

Dear Resident:

On March 29, 2023, Integral Engineering, P.C., (Integral) the environmental consultant for the building owner, placed an indoor air sample canister in your apartment. The canister collected air for 24 hours at breathing level height. The results are being used to evaluate if tetrachloroethylene (PCE) or trichloroethene (TCE) soil vapors from contaminated sub-slab soil or groundwater beneath 135 Kent Avenue are affecting the indoor air quality through a process known as soil vapor intrusion (see enclosed fact sheet). The PCE air concentration detected in the indoor air of your apartment was 2.8 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$); the TCE was not detected above the laboratory reporting limit of $0.107 \mu\text{g}/\text{m}^3$. The March 2023 PCE and TCE indoor air concentrations for your apartment are below the New York State Department of Health (NYSDOH) indoor air guideline values of $30 \mu\text{g}/\text{m}^3$ (for PCE) and $2 \mu\text{g}/\text{m}^3$ (for TCE), respectively. In addition, several other volatile organic compounds were detected at levels similar to what we would expect to find within indoor air in most residential and commercial buildings in New York City. A summary table of results for your apartment and from sampling in the second-floor hallway and outside the building is attached to this letter, in addition to lab data sheets and two NYSDOH fact sheets.

Should you have any questions regarding the environmental investigation, please contact the New York State Department of Environmental Conservation (NYSDEC) Project Manager, Wendi Zheng, at (718) 482-7541. Site-related health questions can be directed to the NYSDOH Project Manager, Mrs. Renata Ockerby, at (518) 402-7860.

Please feel free to contact me at any time if you have questions about the indoor air sampling results or the building's treatment systems.

Sincerely,

Sara Barbuto
Integral Engineering, P.C.
Phone: 207.800.3803
sbarbuto@integral-corp.com

Table 1. March 2023 Air Sample Results

			Location ID:	IA23-15	OA23-01	OA23-02	IA23-09	IA23-10
			Sample Location:	Apt. C-6	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
			Floor:	2nd Floor	Outside	Outside	2nd Floor	2nd Floor
			Collection Period:	24-hr	8-hr	24-hr	8-hr	8-hr
			Sample Date:	3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
			Lab Sample ID:	L2316803-16	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH								
Parameter	AGV	Units	Result	Result	Result	Result	Result	Result
1,1,1-Trichloroethane	NS	µg/m ³	0.109 UJ	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U
1,1,2,2-Tetrachloroethane	NS	µg/m ³	1.37 UJ	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane	NS	µg/m ³	1.09 UJ	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	NS	µg/m ³	0.809 UJ	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	NS	µg/m ³	0.079 UJ	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
1,2,4-Trichlorobenzene	NS	µg/m ³	1.48 UJ	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	NS	µg/m ³	2.48 J	0.983 U	0.983 U	1.02	0.983 U	0.983 U
1,2-Dibromoethane	NS	µg/m ³	1.54 UJ	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	NS	µg/m ³	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	NS	µg/m ³	0.809 UJ	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	NS	µg/m ³	0.924 UJ	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene	NS	µg/m ³	1.11 J	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene	NS	µg/m ³	0.442 UJ	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	NS	µg/m ³	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	µg/m ³	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	NS	µg/m ³	0.721 UJ	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	NS	µg/m ³	0.934 UJ	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U
2-Butanone	NS	µg/m ³	2.14 J	1.47 U	1.47 U	1.52	2.13	
2-Hexanone	NS	µg/m ³	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
3-Chloropropene	NS	µg/m ³	0.626 UJ	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
4-Ethyltoluene	NS	µg/m ³	0.983 UJ	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
4-Methyl-2-pentanone	NS	µg/m ³	2.05 UJ	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U
Acetone	NS	µg/m ³	43.7 J	9.67	5.51	21.7	53.4	
Benzene	NS	µg/m ³	0.965 J	0.642	0.639 U	0.639 U	0.639 U	0.639 U
Benzyl chloride	NS	µg/m ³	1.04 UJ	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	NS	µg/m ³	1.34 UJ	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	NS	µg/m ³	2.07 UJ	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	NS	µg/m ³	0.777 UJ	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon disulfide	NS	µg/m ³	0.623 UJ	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U
Carbon tetrachloride	NS	µg/m ³	0.648 J	0.598 J	0.635 J	0.604 J	0.598 J	
Chlorobenzene	NS	µg/m ³	0.921 UJ	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	NS	µg/m ³	0.528 UJ	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	NS	µg/m ³	1.93 J	0.977 U	0.977 U	1.13	1.82	
Chloromethane	NS	µg/m ³	1.62 J	1.02	0.995	1.16	1.23	
cis-1,2-Dichloroethene	NS	µg/m ³	0.079 UJ	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
cis-1,3-Dichloropropene	NS	µg/m ³	0.908 UJ	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	NS	µg/m ³	0.688 UJ	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
Dibromochloromethane	NS	µg/m ³	1.7 UJ	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	NS	µg/m ³	2.51 J	2.51	2.51	2.5	2.53	
Ethanol	NS	µg/m ³	175 J	18.2	9.76	110	226	
Ethyl Acetate	NS	µg/m ³	3.86 J	1.8 U	1.8 U	3.75	19.7	
Ethylbenzene	NS	µg/m ³	0.869 UJ	0.869 U	0.869 U	0.869 U	1.4	
Freon-113	NS	µg/m ³	1.53 UJ	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
Freon-114	NS	µg/m ³	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Heptane	NS	µg/m ³	0.877 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	NS	µg/m ³	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ
Isopropanol	NS	µg/m ³	20.9 J	1.68	1.23 U	12.9	45.2	

Table 1. March 2023 Air Sample Results

Location ID:			IA23-15	OA23-01	OA23-02	IA23-09	IA23-10
Sample Location:			Apt. C-6	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
Floor:			2nd Floor	Outside	Outside	2nd Floor	2nd Floor
Collection Period:			24-hr	8-hr	24-hr	8-hr	8-hr
Sample Date:			3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
Lab Sample ID:			L2316803-16	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH							
Parameter	AGV	Units	Result	Result	Result	Result	Result
Methyl tert butyl ether	NS	µg/m ³	0.721 UJ	0.721 U	0.721 U	0.721 U	0.721 U
Methylene chloride	60	µg/m ³	1.74 UJ	1.92	1.74 U	1.74 U	1.74 U
n-Hexane	NS	µg/m ³	0.705 UJ	0.705 U	0.705 U	0.705 U	0.705 U
o-Xylene	NS	µg/m ³	1.36 J	0.869 U	0.869 U	0.869 U	0.869 U
p/m-Xylene	NS	µg/m ³	5.21 J	1.74 U	1.74 U	1.74 U	2.63
Styrene	NS	µg/m ³	0.852 UJ	0.852 U	0.852 U	0.852 U	0.852 U
Tertiary butyl Alcohol	NS	µg/m ³	1.52 UJ	1.52 U	1.52 U	1.52 U	1.52 U
Tetrachloroethene	30	µg/m ³	2.8 J	2.07	0.203	3.51	3.9
Tetrahydrofuran	NS	µg/m ³	1.47 UJ	1.47 U	1.47 U	1.47 U	1.57
Toluene	NS	µg/m ³	2.8 J	4.26	1.89	2.44	2.09
trans-1,2-Dichloroethene	NS	µg/m ³	0.793 UJ	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,3-Dichloropropene	NS	µg/m ³	0.908 UJ	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethene	2	µg/m ³	0.107 UJ	0.107 U	0.107 U	0.107 U	0.107 U
Trichlorofluoromethane	NS	µg/m ³	1.31 J	1.32	1.32	1.33	1.36
Vinyl bromide	NS	µg/m ³	0.874 UJ	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	NS	µg/m ³	0.051 UJ	0.051 U	0.051 U	0.051 U	0.051 U

Notes:

NS = no standard

NYSDOH AGV = New York State Department of Health air guideline value

J = Parameter detected but result is estimated

U = Parameter analyzed but not detected, laboratory reporting limit shown

Results exceeding NYSDOH AGVs are in **bold**.

Vinyl chloride, 1,1,1-trichloroethene, 1,1-dichloroethene, cis-1,2-dichloroethene, carbon tetrachloride, tetrachloroethene, and trichloroethene analyzed by laboratory method TO-15 SIM; all other parameters analyzed by TO-15.

Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-16
 Client ID: IA23-15
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:16
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 08:49
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.507	0.200	--	2.51	0.989	--		1
Chloromethane	0.783	0.200	--	1.62	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	92.9	5.00	--	175	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	18.4	1.00	--	43.7	2.38	--		1
Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--		1
Isopropanol	8.49	0.500	--	20.9	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.725	0.500	--	2.14	1.47	--		1
Ethyl Acetate	1.07	0.500	--	3.86	1.80	--		1
Chloroform	0.395	0.200	--	1.93	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-16

Client ID: IA23-15

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:16

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.302	0.200	--	0.965	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.214	0.200	--	0.877	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.744	0.200	--	2.80	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	1.20	0.400	--	5.21	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.312	0.200	--	1.36	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.225	0.200	--	1.11	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-16

Date Collected: 03/30/23 10:16

Client ID: IA23-15

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.505	0.200	--	2.48	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-16
 Client ID: IA23-15
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:16
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 08:49
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.103	0.020	--	0.648	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.413	0.020	--	2.80	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140





Integral Engineering, P.C.
31 West 34th Street
Suite 7196
New York, NY 10001
www.integral-corp.com

Apartment C-7
135 Kent Avenue
Brooklyn, NY 11249

Subject: **Indoor Air Sampling Results**

Dear Resident:

On March 29, 2023, Integral Engineering, P.C., (Integral) the environmental consultant for the building owner, placed an indoor air sample canister in your apartment. The canister collected air for 24 hours at breathing level height. The results are being used to evaluate if tetrachloroethylene (PCE) or trichloroethene (TCE) soil vapors from contaminated sub-slab soil or groundwater beneath 135 Kent Avenue are affecting the indoor air quality through a process known as soil vapor intrusion (see enclosed fact sheet). The PCE air concentration detected in the indoor air of your apartment was 2.6 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$); the TCE was not detected above the laboratory reporting limit of $0.107 \mu\text{g}/\text{m}^3$. The March 2023 PCE and TCE indoor air concentrations for your apartment are below the New York State Department of Health (NYSDOH) indoor air guideline values of $30 \mu\text{g}/\text{m}^3$ (for PCE) and $2 \mu\text{g}/\text{m}^3$ (for TCE), respectively. In addition, several other volatile organic compounds were detected at levels similar to what we would expect to find within indoor air in most residential and commercial buildings in New York City. A summary table of results for your apartment and from sampling in the second-floor hallway and outside the building is attached to this letter, in addition to lab data sheets and two NYSDOH fact sheets.

Should you have any questions regarding the environmental investigation, please contact the New York State Department of Environmental Conservation (NYSDEC) Project Manager, Wendi Zheng, at (718) 482-7541. Site-related health questions can be directed to the NYSDOH Project Manager, Mrs. Renata Ockerby, at (518) 402-7860.

Please feel free to contact me at any time if you have questions about the indoor air sampling results or the building's treatment systems.

Sincerely,

Sara Barbuto
Integral Engineering, P.C.
Phone: 207.800.3803
sbarbuto@integral-corp.com

Table 1. March 2023 Air Sample Results

			Location ID:	IA23-16	OA23-01	OA23-02	IA23-09	IA23-10
			Sample Location:	Apt. C-7	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
			Floor:	2nd Floor	Outside	Outside	2nd Floor	2nd Floor
			Collection Period:	24-hr	8-hr	24-hr	8-hr	8-hr
			Sample Date:	3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
			Lab Sample ID:	L2316803-17	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH								
Parameter	AGV	Units	Result	Result	Result	Result	Result	Result
1,1,1-Trichloroethane	NS	µg/m ³	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U
1,1,2,2-Tetrachloroethane	NS	µg/m ³	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane	NS	µg/m ³	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	NS	µg/m ³	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	NS	µg/m ³	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
1,2,4-Trichlorobenzene	NS	µg/m ³	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	NS	µg/m ³	1.45	0.983 U	0.983 U	1.02	0.983 U	0.983 U
1,2-Dibromoethane	NS	µg/m ³	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	NS	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	NS	µg/m ³	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	NS	µg/m ³	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene	NS	µg/m ³	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene	NS	µg/m ³	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	NS	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	NS	µg/m ³	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	NS	µg/m ³	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U
2-Butanone	NS	µg/m ³	1.7	1.47 U	1.47 U	1.52	2.13	
2-Hexanone	NS	µg/m ³	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
3-Chloropropene	NS	µg/m ³	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
4-Ethyltoluene	NS	µg/m ³	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
4-Methyl-2-pentanone	NS	µg/m ³	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U
Acetone	NS	µg/m ³	36.3	9.67	5.51	21.7	53.4	
Benzene	NS	µg/m ³	0.639 U	0.642	0.639 U	0.639 U	0.639 U	0.639 U
Benzyl chloride	NS	µg/m ³	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	NS	µg/m ³	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	NS	µg/m ³	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	NS	µg/m ³	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon disulfide	NS	µg/m ³	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U
Carbon tetrachloride	NS	µg/m ³	0.61 J	0.598 J	0.635 J	0.604 J	0.598 J	
Chlorobenzene	NS	µg/m ³	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	NS	µg/m ³	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	NS	µg/m ³	1.14	0.977 U	0.977 U	1.13	1.82	
Chloromethane	NS	µg/m ³	1.11	1.02	0.995	1.16	1.23	
cis-1,2-Dichloroethene	NS	µg/m ³	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
cis-1,3-Dichloropropene	NS	µg/m ³	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	NS	µg/m ³	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
Dibromochloromethane	NS	µg/m ³	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	NS	µg/m ³	2.52	2.51	2.51	2.5	2.53	
Ethanol	NS	µg/m ³	207	18.2	9.76	110	226	
Ethyl Acetate	NS	µg/m ³	10.5	1.8 U	1.8 U	3.75	19.7	
Ethylbenzene	NS	µg/m ³	0.869 U	0.869 U	0.869 U	0.869 U	1.4	
Freon-113	NS	µg/m ³	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
Freon-114	NS	µg/m ³	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Heptane	NS	µg/m ³	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	NS	µg/m ³	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ
Isopropanol	NS	µg/m ³	25.3	1.68	1.23 U	12.9	45.2	

Table 1. March 2023 Air Sample Results

Location ID:			IA23-16	OA23-01	OA23-02	IA23-09	IA23-10
Sample Location:			Apt. C-7	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
Floor:			2nd Floor	Outside	Outside	2nd Floor	2nd Floor
Collection Period:			24-hr	8-hr	24-hr	8-hr	8-hr
Sample Date:			3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
Lab Sample ID:			L2316803-17	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH							
Parameter	AGV	Units	Result	Result	Result	Result	Result
Methyl tert butyl ether	NS	µg/m ³	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
Methylene chloride	60	µg/m ³	1.74 U	1.92	1.74 U	1.74 U	1.74 U
n-Hexane	NS	µg/m ³	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U
o-Xylene	NS	µg/m ³	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U
p/m-Xylene	NS	µg/m ³	1.74 U	1.74 U	1.74 U	1.74 U	2.63
Styrene	NS	µg/m ³	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U
Tertiary butyl Alcohol	NS	µg/m ³	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U
Tetrachloroethene	30	µg/m ³	2.6	2.07	0.203	3.51	3.9
Tetrahydrofuran	NS	µg/m ³	1.47 U	1.47 U	1.47 U	1.47 U	1.57
Toluene	NS	µg/m ³	1.61	4.26	1.89	2.44	2.09
trans-1,2-Dichloroethene	NS	µg/m ³	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,3-Dichloropropene	NS	µg/m ³	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethene	2	µg/m ³	0.107 U	0.107 U	0.107 U	0.107 U	0.107 U
Trichlorofluoromethane	NS	µg/m ³	1.34	1.32	1.32	1.33	1.36
Vinyl bromide	NS	µg/m ³	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	NS	µg/m ³	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U

Notes:

NS = no standard

NYSDOH AGV = New York State Department of Health air guideline value

J = Parameter detected but result is estimated

U = Parameter analyzed but not detected, laboratory reporting limit shown

Results exceeding NYSDOH AGVs are in **bold**.

Vinyl chloride, 1,1,1-trichloroethene, 1,1-dichloroethene, cis-1,2-dichloroethene, carbon tetrachloride, tetrachloroethene, and trichloroethene analyzed by laboratory method TO-15 SIM; all other parameters analyzed by TO-15.

Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-17
 Client ID: IA23-16
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 09:17
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 09:27
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.510	0.200	--	2.52	0.989	--		1
Chloromethane	0.539	0.200	--	1.11	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	110	5.00	--	207	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	15.3	1.00	--	36.3	2.38	--		1
Trichlorofluoromethane	0.238	0.200	--	1.34	1.12	--		1
Isopropanol	10.3	0.500	--	25.3	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.578	0.500	--	1.70	1.47	--		1
Ethyl Acetate	2.90	0.500	--	10.5	1.80	--		1
Chloroform	0.233	0.200	--	1.14	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

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Date Collected: 03/30/23 09:17

Client ID: IA23-16

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.427	0.200	--	1.61	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-17

Date Collected: 03/30/23 09:17

Client ID: IA23-16

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.295	0.200	--	1.45	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	101		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-17
 Client ID: IA23-16
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Date Collected: 03/30/23 09:17
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 09:27
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.097	0.020	--	0.610	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.383	0.020	--	2.60	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	99		60-140





Integral Engineering, P.C.
31 West 34th Street
Suite 7196
New York, NY 10001
www.integral-corp.com

Apartment C-8
135 Kent Avenue
Brooklyn, NY 11249

Subject: **Indoor Air Sampling Results**

Dear Resident:

On March 29, 2023, Integral Engineering, P.C., (Integral) the environmental consultant for the building owner, placed an indoor air sample canister in your apartment. The canister collected air for 24 hours at breathing level height. The results are being used to evaluate if tetrachloroethylene (PCE) or trichloroethene (TCE) soil vapors from contaminated sub-slab soil or groundwater beneath 135 Kent Avenue are affecting the indoor air quality through a process known as soil vapor intrusion (see enclosed fact sheet). The PCE air concentration detected in the indoor air of your apartment was 2.01 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$); the TCE was not detected above the laboratory reporting limit of 0.107 $\mu\text{g}/\text{m}^3$. The March 2023 PCE and TCE indoor air concentrations for your apartment are below the New York State Department of Health (NYSDOH) indoor air guideline values of 30 $\mu\text{g}/\text{m}^3$ (for PCE) and 2 $\mu\text{g}/\text{m}^3$ (for TCE), respectively. In addition, several other volatile organic compounds were detected at levels similar to what we would expect to find within indoor air in most residential and commercial buildings in New York City. A summary table of results for your apartment and from sampling in the second-floor hallway and outside the building is attached to this letter, in addition to lab data sheets and two NYSDOH fact sheets.

Should you have any questions regarding the environmental investigation, please contact the New York State Department of Environmental Conservation (NYSDEC) Project Manager, Wendi Zheng, at (718) 482-7541. Site-related health questions can be directed to the NYSDOH Project Manager, Mrs. Renata Ockerby, at (518) 402-7860.

Please feel free to contact me at any time if you have questions about the indoor air sampling results or the building's treatment systems.

Sincerely,

Sara Barbuto
Integral Engineering, P.C.
Phone: 207.800.3803
sbarbuto@integral-corp.com

Table 1. March 2023 Air Sample Results

			Location ID:	IA23-17	OA23-01	OA23-02	IA23-09	IA23-10
			Sample Location:	Apt. C-8	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
			Floor:	2nd Floor	Outside	Outside	2nd Floor	2nd Floor
			Collection Period:	24-hr	8-hr	24-hr	8-hr	8-hr
			Sample Date:	3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
			Lab Sample ID:	L2316803-18	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH								
Parameter	AGV	Units	Result	Result	Result	Result	Result	Result
1,1,1-Trichloroethane	NS	µg/m ³	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U
1,1,2,2-Tetrachloroethane	NS	µg/m ³	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane	NS	µg/m ³	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	NS	µg/m ³	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	NS	µg/m ³	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
1,2,4-Trichlorobenzene	NS	µg/m ³	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	NS	µg/m ³	1.18	0.983 U	0.983 U	1.02	0.983 U	0.983 U
1,2-Dibromoethane	NS	µg/m ³	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	NS	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	NS	µg/m ³	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	NS	µg/m ³	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene	NS	µg/m ³	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene	NS	µg/m ³	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	NS	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	NS	µg/m ³	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	NS	µg/m ³	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U
2-Butanone	NS	µg/m ³	6.31	1.47 U	1.47 U	1.52	2.13	
2-Hexanone	NS	µg/m ³	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
3-Chloropropene	NS	µg/m ³	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
4-Ethyltoluene	NS	µg/m ³	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
4-Methyl-2-pentanone	NS	µg/m ³	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U
Acetone	NS	µg/m ³	125	9.67	5.51	21.7	53.4	
Benzene	NS	µg/m ³	0.639 U	0.642	0.639 U	0.639 U	0.639 U	0.639 U
Benzyl chloride	NS	µg/m ³	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	NS	µg/m ³	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	NS	µg/m ³	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	NS	µg/m ³	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon disulfide	NS	µg/m ³	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U
Carbon tetrachloride	NS	µg/m ³	0.654 J	0.598 J	0.635 J	0.604 J	0.598 J	
Chlorobenzene	NS	µg/m ³	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	NS	µg/m ³	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	NS	µg/m ³	2.67	0.977 U	0.977 U	1.13	1.82	
Chloromethane	NS	µg/m ³	1.13	1.02	0.995	1.16	1.23	
cis-1,2-Dichloroethene	NS	µg/m ³	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
cis-1,3-Dichloropropene	NS	µg/m ³	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	NS	µg/m ³	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
Dibromochloromethane	NS	µg/m ³	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	NS	µg/m ³	2.55	2.51	2.51	2.5	2.53	
Ethanol	NS	µg/m ³	505	18.2	9.76	110	226	
Ethyl Acetate	NS	µg/m ³	55.5	1.8 U	1.8 U	3.75	19.7	
Ethylbenzene	NS	µg/m ³	0.869 U	0.869 U	0.869 U	0.869 U	1.4	
Freon-113	NS	µg/m ³	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
Freon-114	NS	µg/m ³	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Heptane	NS	µg/m ³	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	NS	µg/m ³	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ
Isopropanol	NS	µg/m ³	77.7	1.68	1.23 U	12.9	45.2	

Table 1. March 2023 Air Sample Results

		Location ID:	IA23-17	OA23-01	OA23-02	IA23-09	IA23-10
		Sample Location:	Apt. C-8	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
		Floor:	2nd Floor	Outside	Outside	2nd Floor	2nd Floor
		Collection Period:	24-hr	8-hr	24-hr	8-hr	8-hr
		Sample Date:	3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
		Lab Sample ID:	L2316803-18	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH							
Parameter	AGV	Units	Result	Result	Result	Result	Result
Methyl tert butyl ether	NS	µg/m ³	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
Methylene chloride	60	µg/m ³	1.74 U	1.92	1.74 U	1.74 U	1.74 U
n-Hexane	NS	µg/m ³	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U
o-Xylene	NS	µg/m ³	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U
p/m-Xylene	NS	µg/m ³	1.74 U	1.74 U	1.74 U	1.74 U	2.63
Styrene	NS	µg/m ³	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U
Tertiary butyl Alcohol	NS	µg/m ³	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U
Tetrachloroethene	30	µg/m ³	2.01	2.07	0.203	3.51	3.9
Tetrahydrofuran	NS	µg/m ³	1.47 U	1.47 U	1.47 U	1.47 U	1.57
Toluene	NS	µg/m ³	1.72	4.26	1.89	2.44	2.09
trans-1,2-Dichloroethene	NS	µg/m ³	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,3-Dichloropropene	NS	µg/m ³	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethene	2	µg/m ³	0.107 U	0.107 U	0.107 U	0.107 U	0.107 U
Trichlorofluoromethane	NS	µg/m ³	1.4	1.32	1.32	1.33	1.36
Vinyl bromide	NS	µg/m ³	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	NS	µg/m ³	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U

Notes:

NS = no standard

NYSDOH AGV = New York State Department of Health air guideline value

J = Parameter detected but result is estimated

U = Parameter analyzed but not detected, laboratory reporting limit shown

Results exceeding NYSDOH AGVs are in **bold**.

Vinyl chloride, 1,1,1-trichloroethene, 1,1-dichloroethene, cis-1,2-dichloroethene, carbon tetrachloride, tetrachloroethene, and trichloroethene analyzed by laboratory method TO-15 SIM; all other parameters analyzed by TO-15.

Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-18
 Client ID: IA23-17
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:12
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 10:06
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.515	0.200	--	2.55	0.989	--		1
Chloromethane	0.548	0.200	--	1.13	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	268	5.00	--	505	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	52.6	1.00	--	125	2.38	--		1
Trichlorofluoromethane	0.249	0.200	--	1.40	1.12	--		1
Isopropanol	31.6	0.500	--	77.7	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.14	0.500	--	6.31	1.47	--		1
Ethyl Acetate	15.4	0.500	--	55.5	1.80	--		1
Chloroform	0.546	0.200	--	2.67	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-18

Client ID: IA23-17

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:12

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.456	0.200	--	1.72	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-18

Date Collected: 03/30/23 10:12

Client ID: IA23-17

Date Received: 03/30/23

Sample Location: 135 KENT AVE, BROOKLYN NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.241	0.200	--	1.18	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

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



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-18
 Client ID: IA23-17
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:12
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 10:06
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.104	0.020	--	0.654	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.297	0.020	--	2.01	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140





Integral Engineering, P.C.
31 West 34th Street
Suite 7196
New York, NY 10001
www.integral-corp.com

Apartment C-9
135 Kent Avenue
Brooklyn, NY 11249

Subject: **Indoor Air Sampling Results**

Dear Resident:

On March 29, 2023, Integral Engineering, P.C., (Integral) the environmental consultant for the building owner, placed an indoor air sample canister in your apartment. The canister collected air for 24 hours at breathing level height. The results are being used to evaluate if tetrachloroethylene (PCE) or trichloroethene (TCE) soil vapors from contaminated sub-slab soil or groundwater beneath 135 Kent Avenue are affecting the indoor air quality through a process known as soil vapor intrusion (see enclosed fact sheet). The PCE air concentration detected in the indoor air of your apartment was 2.92 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$); the TCE was not detected above the laboratory reporting limit of $0.107 \mu\text{g}/\text{m}^3$. The March 2023 PCE and TCE indoor air concentrations for your apartment are below the New York State Department of Health (NYSDOH) indoor air guideline values of $30 \mu\text{g}/\text{m}^3$ (for PCE) and $2 \mu\text{g}/\text{m}^3$ (for TCE), respectively. In addition, several other volatile organic compounds were detected at levels similar to what we would expect to find within indoor air in most residential and commercial buildings in New York City. A summary table of results for your apartment and from sampling in the second-floor hallway and outside the building is attached to this letter, in addition to lab data sheets and two NYSDOH fact sheets.

Should you have any questions regarding the environmental investigation, please contact the New York State Department of Environmental Conservation (NYSDEC) Project Manager, Wendi Zheng, at (718) 482-7541. Site-related health questions can be directed to the NYSDOH Project Manager, Mrs. Renata Ockerby, at (518) 402-7860.

Please feel free to contact me at any time if you have questions about the indoor air sampling results or the building's treatment systems.

Sincerely,

Sara Barbuto
Integral Engineering, P.C.
Phone: 207.800.3803
sbarbuto@integral-corp.com

Table 1. March 2023 Air Sample Results

			Location ID:	IA23-18	OA23-01	OA23-02	IA23-09	IA23-10
			Sample Location:	Apt. C-9	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
			Floor:	2nd Floor	Outside	Outside	2nd Floor	2nd Floor
			Collection Period:	24-hr	8-hr	24-hr	8-hr	8-hr
			Sample Date:	3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
			Lab Sample ID:	L2316803-19	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH								
Parameter	AGV	Units	Result	Result	Result	Result	Result	Result
1,1,1-Trichloroethane	NS	µg/m ³	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U
1,1,2,2-Tetrachloroethane	NS	µg/m ³	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane	NS	µg/m ³	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	NS	µg/m ³	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	NS	µg/m ³	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
1,2,4-Trichlorobenzene	NS	µg/m ³	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	NS	µg/m ³	2.89	0.983 U	0.983 U	1.02	0.983 U	0.983 U
1,2-Dibromoethane	NS	µg/m ³	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	NS	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	NS	µg/m ³	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	NS	µg/m ³	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene	NS	µg/m ³	1.08	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene	NS	µg/m ³	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	NS	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	NS	µg/m ³	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	NS	µg/m ³	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U
2-Butanone	NS	µg/m ³	1.8	1.47 U	1.47 U	1.52	2.13	
2-Hexanone	NS	µg/m ³	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
3-Chloropropene	NS	µg/m ³	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
4-Ethyltoluene	NS	µg/m ³	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
4-Methyl-2-pentanone	NS	µg/m ³	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U
Acetone	NS	µg/m ³	53	9.67	5.51	21.7	53.4	
Benzene	NS	µg/m ³	0.639 U	0.642	0.639 U	0.639 U	0.639 U	0.639 U
Benzyl chloride	NS	µg/m ³	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	NS	µg/m ³	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	NS	µg/m ³	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	NS	µg/m ³	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon disulfide	NS	µg/m ³	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U
Carbon tetrachloride	NS	µg/m ³	0.591 J	0.598 J	0.635 J	0.604 J	0.598 J	
Chlorobenzene	NS	µg/m ³	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	NS	µg/m ³	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	NS	µg/m ³	1.37	0.977 U	0.977 U	1.13	1.82	
Chloromethane	NS	µg/m ³	1.15	1.02	0.995	1.16	1.23	
cis-1,2-Dichloroethene	NS	µg/m ³	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
cis-1,3-Dichloropropene	NS	µg/m ³	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	NS	µg/m ³	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
Dibromochloromethane	NS	µg/m ³	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	NS	µg/m ³	2.47	2.51	2.51	2.5	2.53	
Ethanol	NS	µg/m ³	182	18.2	9.76	110	226	
Ethyl Acetate	NS	µg/m ³	2.71	1.8 U	1.8 U	3.75	19.7	
Ethylbenzene	NS	µg/m ³	0.869 U	0.869 U	0.869 U	0.869 U	1.4	
Freon-113	NS	µg/m ³	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
Freon-114	NS	µg/m ³	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Heptane	NS	µg/m ³	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	NS	µg/m ³	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ
Isopropanol	NS	µg/m ³	14.2	1.68	1.23 U	12.9	45.2	

Table 1. March 2023 Air Sample Results

Location ID:			IA23-18	OA23-01	OA23-02	IA23-09	IA23-10
Sample Location:			Apt. C-9	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
Floor:			2nd Floor	Outside	Outside	2nd Floor	2nd Floor
Collection Period:			24-hr	8-hr	24-hr	8-hr	8-hr
Sample Date:			3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
Lab Sample ID:			L2316803-19	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH							
Parameter	AGV	Units	Result	Result	Result	Result	Result
Methyl tert butyl ether	NS	µg/m ³	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
Methylene chloride	60	µg/m ³	1.74 U	1.92	1.74 U	1.74 U	1.74 U
n-Hexane	NS	µg/m ³	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U
o-Xylene	NS	µg/m ³	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U
p/m-Xylene	NS	µg/m ³	1.74 U	1.74 U	1.74 U	1.74 U	2.63
Styrene	NS	µg/m ³	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U
Tertiary butyl Alcohol	NS	µg/m ³	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U
Tetrachloroethene	30	µg/m ³	2.92	2.07	0.203	3.51	3.9
Tetrahydrofuran	NS	µg/m ³	1.47 U	1.47 U	1.47 U	1.47 U	1.57
Toluene	NS	µg/m ³	2.04	4.26	1.89	2.44	2.09
trans-1,2-Dichloroethene	NS	µg/m ³	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,3-Dichloropropene	NS	µg/m ³	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethene	2	µg/m ³	0.107 U	0.107 U	0.107 U	0.107 U	0.107 U
Trichlorofluoromethane	NS	µg/m ³	1.31	1.32	1.32	1.33	1.36
Vinyl bromide	NS	µg/m ³	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	NS	µg/m ³	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U

Notes:

NS = no standard

NYSDOH AGV = New York State Department of Health air guideline value

J = Parameter detected but result is estimated

U = Parameter analyzed but not detected, laboratory reporting limit shown

Results exceeding NYSDOH AGVs are in **bold**.

Vinyl chloride, 1,1,1-trichloroethene, 1,1-dichloroethene, cis-1,2-dichloroethene, carbon tetrachloride, tetrachloroethene, and trichloroethene analyzed by laboratory method TO-15 SIM; all other parameters analyzed by TO-15.

Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-19
 Client ID: IA23-18
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:14
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 10:44
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.500	0.200	--	2.47	0.989	--		1
Chloromethane	0.559	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	96.4	5.00	--	182	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	22.3	1.00	--	53.0	2.38	--		1
Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--		1
Isopropanol	5.76	0.500	--	14.2	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.610	0.500	--	1.80	1.47	--		1
Ethyl Acetate	0.751	0.500	--	2.71	1.80	--		1
Chloroform	0.280	0.200	--	1.37	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-19

Client ID: IA23-18

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:14

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.541	0.200	--	2.04	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.219	0.200	--	1.08	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-19

Client ID: IA23-18

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:14

Date Received: 03/30/23

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								
1,2,4-Trimethylbenzene	0.587	0.200	--	2.89	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-19
 Client ID: IA23-18
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:14
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 10:44
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.094	0.020	--	0.591	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.431	0.020	--	2.92	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140





Integral Engineering, P.C.
31 West 34th Street
Suite 7196
New York, NY 10001
www.integral-corp.com

Apartment C-11
135 Kent Avenue
Brooklyn, NY 11249

Subject: **Indoor Air Sampling Results**

Dear Resident:

On March 29, 2023, Integral Engineering, P.C., (Integral) the environmental consultant for the building owner, placed an indoor air sample canister in your apartment. The canister collected air for 24 hours at breathing level height. The results are being used to evaluate if tetrachloroethylene (PCE) or trichloroethene (TCE) soil vapors from contaminated sub-slab soil or groundwater beneath 135 Kent Avenue are affecting the indoor air quality through a process known as soil vapor intrusion (see enclosed fact sheet). The PCE air concentration detected in the indoor air of your apartment was 2.69 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$); the TCE was not detected above the laboratory reporting limit of 0.107 $\mu\text{g}/\text{m}^3$. The March 2023 PCE and TCE indoor air concentrations for your apartment are below the New York State Department of Health (NYSDOH) indoor air guideline values of 30 $\mu\text{g}/\text{m}^3$ (for PCE) and 2 $\mu\text{g}/\text{m}^3$ (for TCE), respectively. In addition, several other volatile organic compounds were detected at levels similar to what we would expect to find within indoor air in most residential and commercial buildings in New York City. A summary table of results for your apartment and from sampling in the second-floor hallway and outside the building is attached to this letter, in addition to lab data sheets and two NYSDOH fact sheets.

Should you have any questions regarding the environmental investigation, please contact the New York State Department of Environmental Conservation (NYSDEC) Project Manager, Wendi Zheng, at (718) 482-7541. Site-related health questions can be directed to the NYSDOH Project Manager, Mrs. Renata Ockerby, at (518) 402-7860.

Please feel free to contact me at any time if you have questions about the indoor air sampling results or the building's treatment systems.

Sincerely,

Sara Barbuto
Integral Engineering, P.C.
Phone: 207.800.3803
sbarbuto@integral-corp.com

Table 1. March 2023 Air Sample Results

			Location ID:	IA23-19	OA23-01	OA23-02	IA23-09	IA23-10
			Sample Location:	Apt. C-11	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
			Floor:	2nd Floor	Outside	Outside	2nd Floor	2nd Floor
			Collection Period:	24-hr	8-hr	24-hr	8-hr	8-hr
			Sample Date:	3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
			Lab Sample ID:	L2316803-20	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH								
Parameter	AGV	Units	Result	Result	Result	Result	Result	Result
1,1,1-Trichloroethane	NS	µg/m ³	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U
1,1,2,2-Tetrachloroethane	NS	µg/m ³	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane	NS	µg/m ³	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	NS	µg/m ³	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	NS	µg/m ³	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
1,2,4-Trichlorobenzene	NS	µg/m ³	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	NS	µg/m ³	1.03	0.983 U	0.983 U	1.02	0.983 U	0.983 U
1,2-Dibromoethane	NS	µg/m ³	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	NS	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	NS	µg/m ³	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	NS	µg/m ³	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene	NS	µg/m ³	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene	NS	µg/m ³	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	NS	µg/m ³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	µg/m ³	1.41	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	NS	µg/m ³	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	NS	µg/m ³	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U
2-Butanone	NS	µg/m ³	2.39	1.47 U	1.47 U	1.52	2.13	
2-Hexanone	NS	µg/m ³	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
3-Chloropropene	NS	µg/m ³	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
4-Ethyltoluene	NS	µg/m ³	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
4-Methyl-2-pentanone	NS	µg/m ³	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U
Acetone	NS	µg/m ³	37.1	9.67	5.51	21.7	53.4	
Benzene	NS	µg/m ³	0.639 U	0.642	0.639 U	0.639 U	0.639 U	0.639 U
Benzyl chloride	NS	µg/m ³	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	NS	µg/m ³	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	NS	µg/m ³	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	NS	µg/m ³	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon disulfide	NS	µg/m ³	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U
Carbon tetrachloride	NS	µg/m ³	0.635 J	0.598 J	0.635 J	0.604 J	0.598 J	
Chlorobenzene	NS	µg/m ³	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	NS	µg/m ³	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	NS	µg/m ³	1.27	0.977 U	0.977 U	1.13	1.82	
Chloromethane	NS	µg/m ³	1.07	1.02	0.995	1.16	1.23	
cis-1,2-Dichloroethene	NS	µg/m ³	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
cis-1,3-Dichloropropene	NS	µg/m ³	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	NS	µg/m ³	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
Dibromochloromethane	NS	µg/m ³	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	NS	µg/m ³	2.57	2.51	2.51	2.5	2.53	
Ethanol	NS	µg/m ³	182	18.2	9.76	110	226	
Ethyl Acetate	NS	µg/m ³	32.2	1.8 U	1.8 U	3.75	19.7	
Ethylbenzene	NS	µg/m ³	0.869 U	0.869 U	0.869 U	0.869 U	1.4	
Freon-113	NS	µg/m ³	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
Freon-114	NS	µg/m ³	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Heptane	NS	µg/m ³	1.45	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	NS	µg/m ³	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ	0.533 UJ
Isopropanol	NS	µg/m ³	17.7	1.68	1.23 U	12.9	45.2	

Table 1. March 2023 Air Sample Results

Location ID:			IA23-19	OA23-01	OA23-02	IA23-09	IA23-10
Sample Location:			Apt. C-11	Sidewalk	Sidewalk	Rear Hallway	Center Hallway
Floor:			2nd Floor	Outside	Outside	2nd Floor	2nd Floor
Collection Period:			24-hr	8-hr	24-hr	8-hr	8-hr
Sample Date:			3/30/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
Lab Sample ID:			L2316803-20	L2316803-07	L2316803-08	L2316803-09	L2316803-11
NYSDOH							
Parameter	AGV	Units	Result	Result	Result	Result	Result
Methyl tert butyl ether	NS	µg/m ³	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
Methylene chloride	60	µg/m ³	1.74 U	1.92	1.74 U	1.74 U	1.74 U
n-Hexane	NS	µg/m ³	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U
o-Xylene	NS	µg/m ³	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U
p/m-Xylene	NS	µg/m ³	1.74 U	1.74 U	1.74 U	1.74 U	2.63
Styrene	NS	µg/m ³	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U
Tertiary butyl Alcohol	NS	µg/m ³	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U
Tetrachloroethene	30	µg/m ³	2.69	2.07	0.203	3.51	3.9
Tetrahydrofuran	NS	µg/m ³	1.47 U	1.47 U	1.47 U	1.47 U	1.57
Toluene	NS	µg/m ³	5.46	4.26	1.89	2.44	2.09
trans-1,2-Dichloroethene	NS	µg/m ³	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,3-Dichloropropene	NS	µg/m ³	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethene	2	µg/m ³	0.107 U	0.107 U	0.107 U	0.107 U	0.107 U
Trichlorofluoromethane	NS	µg/m ³	1.44	1.32	1.32	1.33	1.36
Vinyl bromide	NS	µg/m ³	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	NS	µg/m ³	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U

Notes:

NS = no standard

NYSDOH AGV = New York State Department of Health air guideline value

J = Parameter detected but result is estimated

U = Parameter analyzed but not detected, laboratory reporting limit shown

Results exceeding NYSDOH AGVs are in **bold**.

Vinyl chloride, 1,1,1-trichloroethene, 1,1-dichloroethene, cis-1,2-dichloroethene, carbon tetrachloride, tetrachloroethene, and trichloroethene analyzed by laboratory method TO-15 SIM; all other parameters analyzed by TO-15.

Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-20
 Client ID: IA23-19
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:29
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/23 11:22
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.519	0.200	--	2.57	0.989	--		1
Chloromethane	0.516	0.200	--	1.07	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	96.5	5.00	--	182	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	15.6	1.00	--	37.1	2.38	--		1
Trichlorofluoromethane	0.257	0.200	--	1.44	1.12	--		1
Isopropanol	7.19	0.500	--	17.7	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.812	0.500	--	2.39	1.47	--		1
Ethyl Acetate	8.94	0.500	--	32.2	1.80	--		1
Chloroform	0.260	0.200	--	1.27	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: 135 KENT**Project Number:** E1022**Lab Number:** L2316803**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-20

Client ID: IA23-19

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:29

Date Received: 03/30/23

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.354	0.200	--	1.45	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.45	0.200	--	5.46	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-20

Client ID: IA23-19

Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:29

Date Received: 03/30/23

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								
1,2,4-Trimethylbenzene	0.209	0.200	--	1.03	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.234	0.200	--	1.41	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140



Project Name: 135 KENT**Lab Number:** L2316803**Project Number:** E1022**Report Date:** 04/13/23**SAMPLE RESULTS**

Lab ID: L2316803-20
 Client ID: IA23-19
 Sample Location: 135 KENT AVE, BROOKLYN NY

Date Collected: 03/30/23 10:29
 Date Received: 03/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/13/23 11:22
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.101	0.020	--	0.635	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.396	0.020	--	2.69	0.136	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	97		60-140



Appendix E

Annual Inspection Photographs

Appendix E – Annual Inspection Photographs



Photograph 1. 135 Kent Avenue commercial storefronts along North 6th Street, facing northwest. December 8, 2022.



Photograph 2. SSDS Rotron blower, lead carbon drum, and ambient temperature at the time of inspection. December 8, 2022.

Appendix E – Annual Inspection Photographs



Photograph 3. SSDS pressure gauge PI102 reading 46 iwc. December 8, 2022.



Photograph 4. SSDS pressure gauge PI104 reading 19 iwc.
December 8, 2022.

Appendix E – Annual Inspection Photographs



Photograph 5. Fluke 922 Air Flow Meter used for vacuum reading, recording -0.019 iwc at vapor monitoring point PV-3. December 8, 2022.



Photograph 6. Vapor well V-4 valve position. December 8, 2022.

Appendix E – Annual Inspection Photographs



Photograph 7. View of SSDS piping condition. December 8, 2022.



Photograph 8. Air filtration unit in a first-floor vacant section. December 8, 2022.

Appendix E – Annual Inspection Photographs



Photograph 9. Air filtration units in the second-floor central hallway. December 8, 2022.

Appendix E – Annual Inspection Photographs



Photograph 10. SSDS Rotron blower. December 27, 2023.

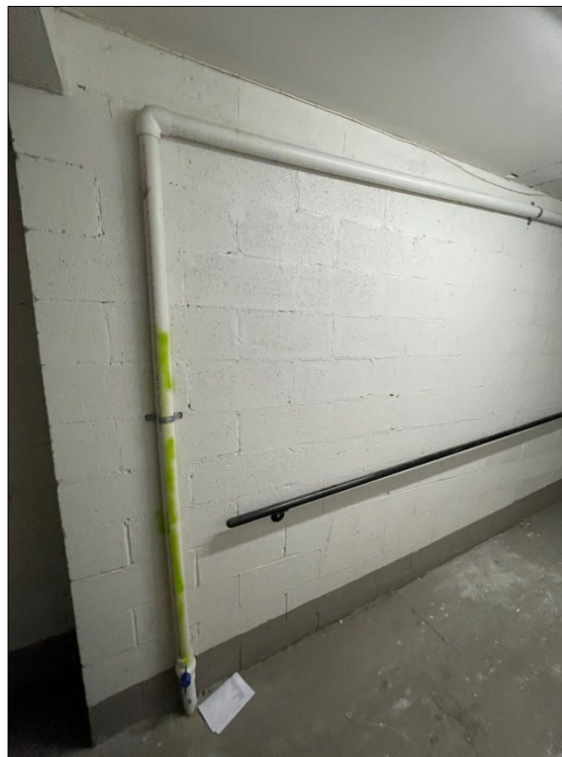


Photograph 11. SSDS pressure gauge PI102 reading 43 iwc. December 27, 2023.

Appendix E – Annual Inspection Photographs



Photograph 12. SSDS pressure gauge PI104 reading 19 iwc. December 27, 2023.

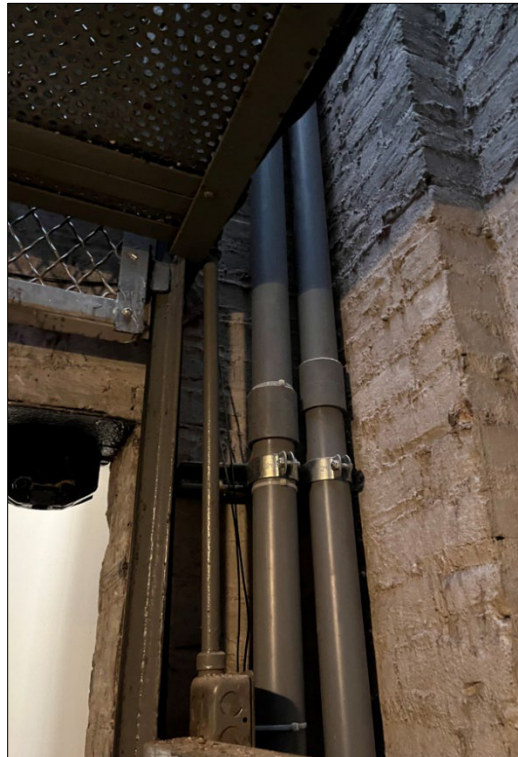


Photograph 13. Vapor well V-1 in rear hallway. December 27, 2023.

Appendix E – Annual Inspection Photographs



Photograph 14. SSDS piping in rear hallway. December 27, 2023.



Photograph 15. SSDS exhaust piping in elevator to roof. December 27, 2023.

Appendix E – Annual Inspection Photographs



Photograph 16. SSDS exhaust piping on roof. December 27, 2023.

Appendix F

First Floor Slab Repair Documentation



Integral Engineering, P.C.
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New York, NY 10001

telephone: 212.962.4303
www.integral-corp.com

MEMORANDUM

To:	Wendi Y. Zheng and Jane H. O'Connell, P.G., New York State Department of Environmental Conservation
From:	Sara Barbuto and Keith P. Brodock, P.E., Integral Engineering, P.C.
Date:	December 16, 2022
Subject:	First Floor Slab Repair Documentation 135 Kent Avenue, Brooklyn, NY Former Cleaner Sales and Equipment Corp. NYSDEC Site No. C224177
Project No.:	E1022

Integral Engineering, P.C. (Integral) presents this memorandum documenting first floor slab repairs and vacuum monitoring point (VMP) reinstallation at 135 Kent Avenue to the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) on behalf of 135 Kent LLC (Owner) for the Former Cleaner Sales and Equipment Corp. Site (NYSDEC Site No. C224177). In response to tenant complaints, the Owner opened the first floor slab to repair wastewater lines (see Figure 1 for location). Following plumbing repairs, the slab was repaired and the VMP that was destroyed during the work was reinstalled. Integral visited the Site to observe and document the repairs, and during which time we concluded that the SSDS was operating as designed.

NYSDEC communicated to Integral on October 12, 2021, that a tenant had concerns regarding construction activities on the first floor of 135 Kent Avenue. In response, representatives for the Owner indicated wastewater line repairs had occurred in the first floor center hallway. Representatives for the Owner documented hallway slab repairs and provided photographs to NYSDEC on October 13, 2021. Slab repairs were made at the locations shown on Figure 1.

NYSDEC issued a Notice of Violation (NOV) on December 21, 2021 regarding unauthorized slab work that occurred in October 2021. NYSDEC held an Administrative Settlement

Conference (Conference) to discuss the NOV on January 11, 2022. This memorandum was prepared to document slab repairs as observed by Integral during site visits, as requested by NYSDEC during the Conference. A photograph log from each of the Integral site visits is provided as Attachment 1. The following summarizes Integral observations during those site visits.

SSDS Monitoring and Site Visit, October 18, 2021

Integral performed monthly sub-slab depressurization system (SSDS) monitoring and reviewed slab repairs on October 18, 2021. The SSDS and alarm system were operating, and SSDS monitoring data were consistent with prior monitoring events; thus, we concluded that the SSDS was operating as designed. Slab repairs were observed in the hallway bathroom, and extended through the center hallway into the side entrance to HigherDOSE Spa. Integral noted that VMP PV-2R, located to the left of the hallway bathroom entrance, was covered/destroyed during the slab repair.

As a follow-up to the October 18, 2021 site visit, Integral notified Owner of the need to repair minor cracks on the center hallway slab to the left of the hallway bathroom entrance, and coordinated installation of a VMP to replace PV-2R.

The October 18, 2021 photograph series (Attachment 1, Photographs 1 through 9) begins in the hallway bathroom, and proceeds down the center hallway to the HigherDOSE Spa side entrance. Approximate slab repair areas are shown with a blue dashed line. Photograph 2 shows slab repairs covering VMP PV-2R, as well as several small cracks (less than 3 inches wide and long) in the slab. Photographs 3 through 7 show slab repairs in the center hallway. Photograph 8 shows the slab behind the HigherDOSE Spa side entrance, connecting to the HigherDOSE Spa bathroom wall (a toilet is located immediately behind that wall, as shown in Photograph 9). No slab repairs were observed in the HigherDOSE Spa bathroom.

Vacuum Monitoring Point Installation and SSDS Monitoring, November 11, 2021

Integral performed a site visit to observe installation of replacement VMP PV-2RR and to perform monthly SSDS monitoring on November 11, 2021. Figure 1 shows the location of PV-2RR, and Photograph 10 shows the completed installation of PV-2RR, with a covering. Integral collected a pressure reading from PV-2RR of -0.408 inches of H₂O several hours after installation, indicating vacuum beneath the slab at this location. The minor cracks in the slab near the former location of VMP PV-2R that were first noted by Integral on October 18, 2021 had not been repaired at the time of the November 11, 2021 site visit. Integral notified a representative of the Owner to repair the slab. No other slab openings were noted.

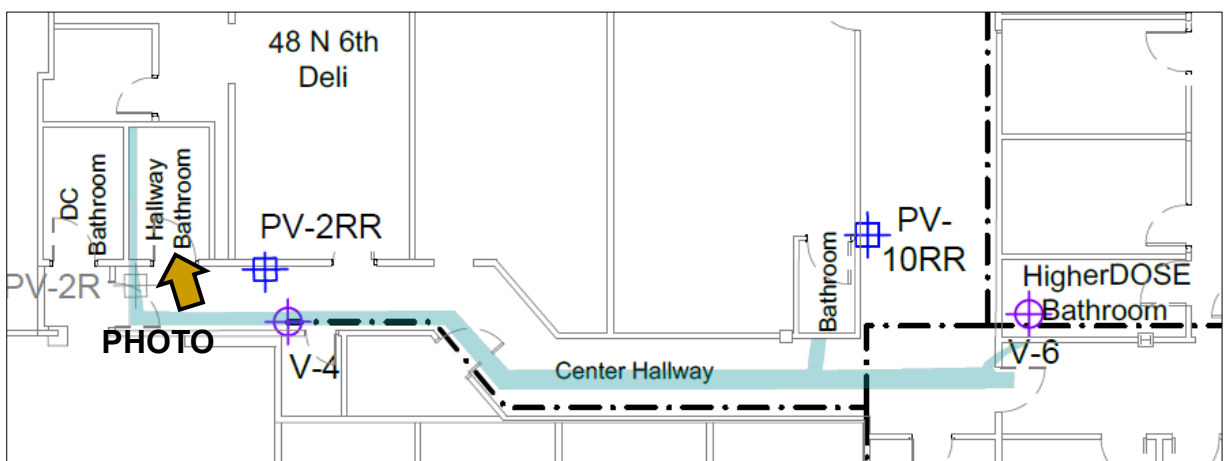
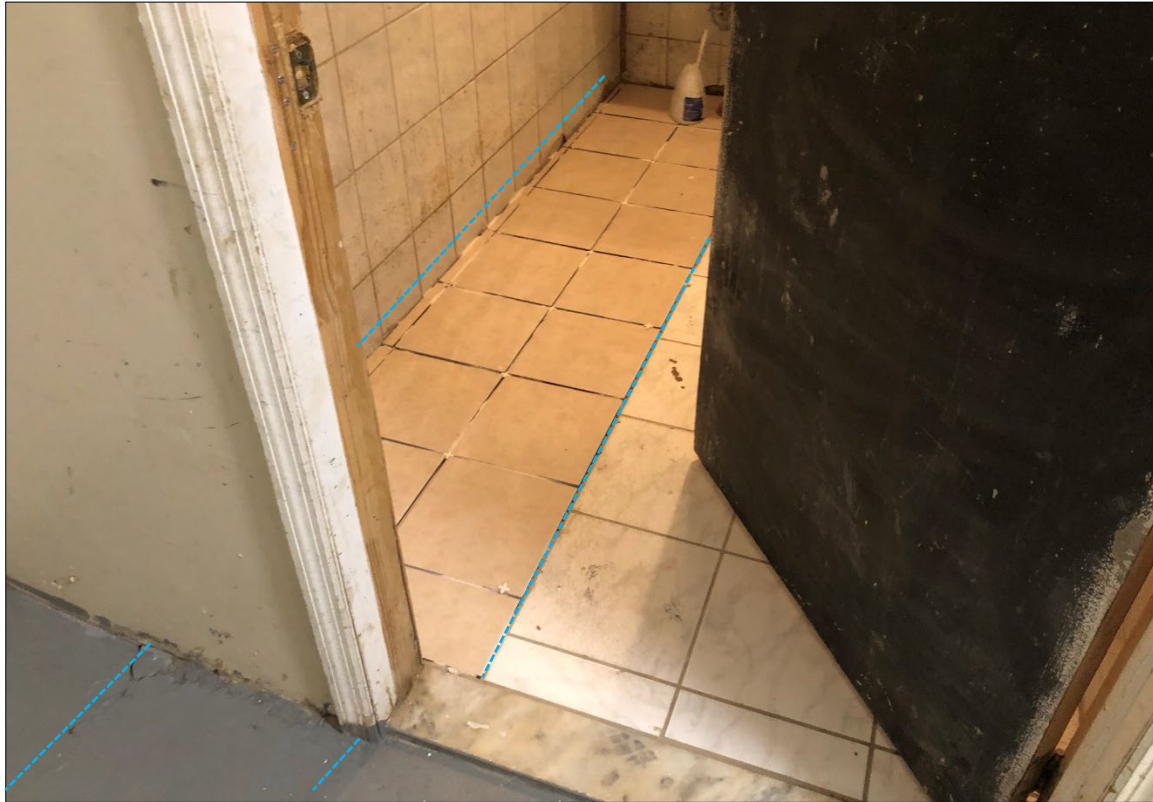
SSDS Monitoring, December 22, 2021

Integral performed monthly SSDS monitoring on December 22, 2021. During this monitoring event Integral was able to access the vacant commercial space adjacent to Blossom and observe the connection from the center hallway slab repair area. Photograph 11 shows the bathroom area in the rear of the vacant commercial space. This area has a sink installed and a wall connection to the wastewater line. No slab repairs were observed in the bathroom floor of the vacant commercial area.

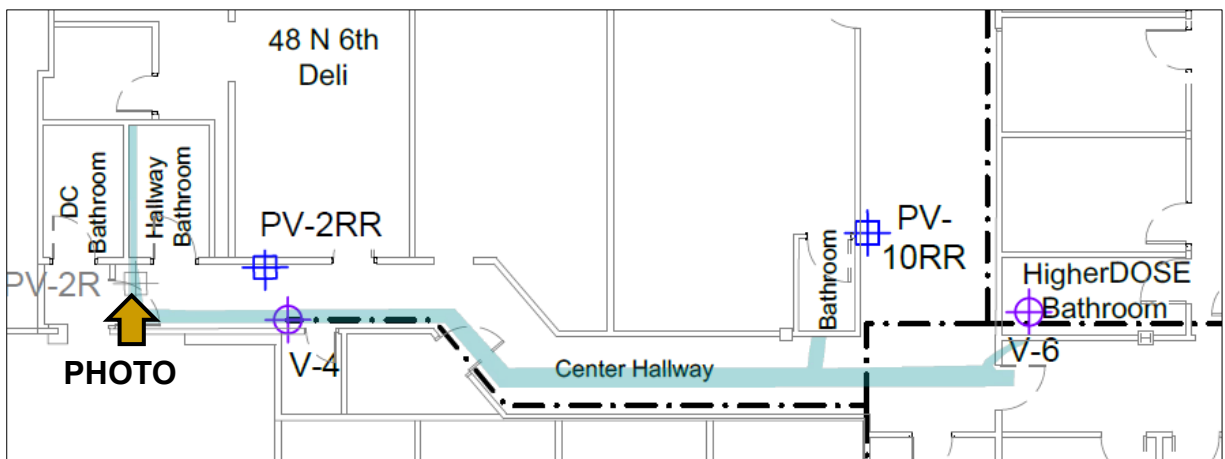
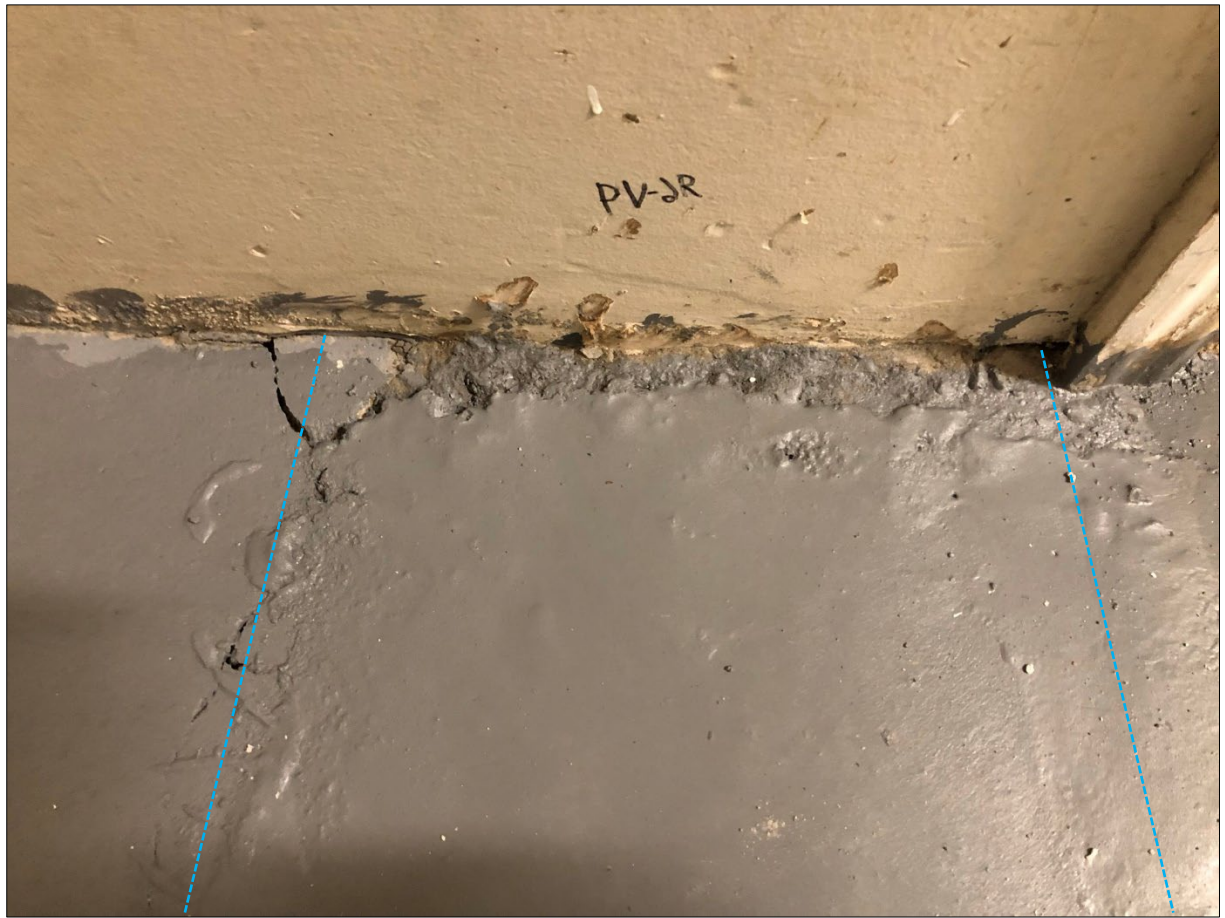
Site Visit, March 23, 2022

On March 23, 2022, Integral performed indoor air sampling at 135 Kent Avenue and reviewed the slab repairs to support preparation of this memorandum. The cracks near the location of former VMP PV-2R had been repaired and can be seen as an area of darker grey floor paint in Photographs 12 and 13. No slab openings were noted during the March 23, 2022 site visit.

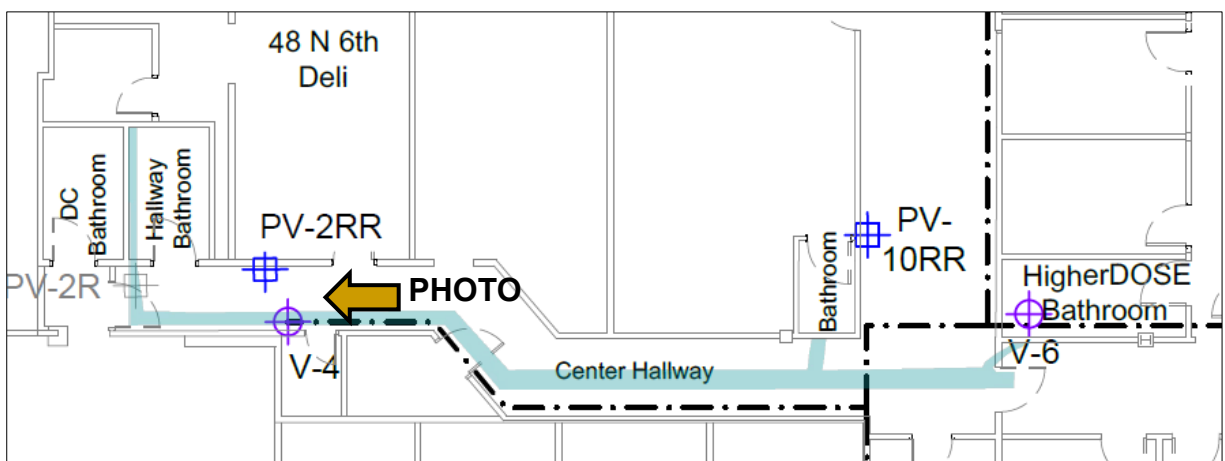
October 18, 2021 Site Visit



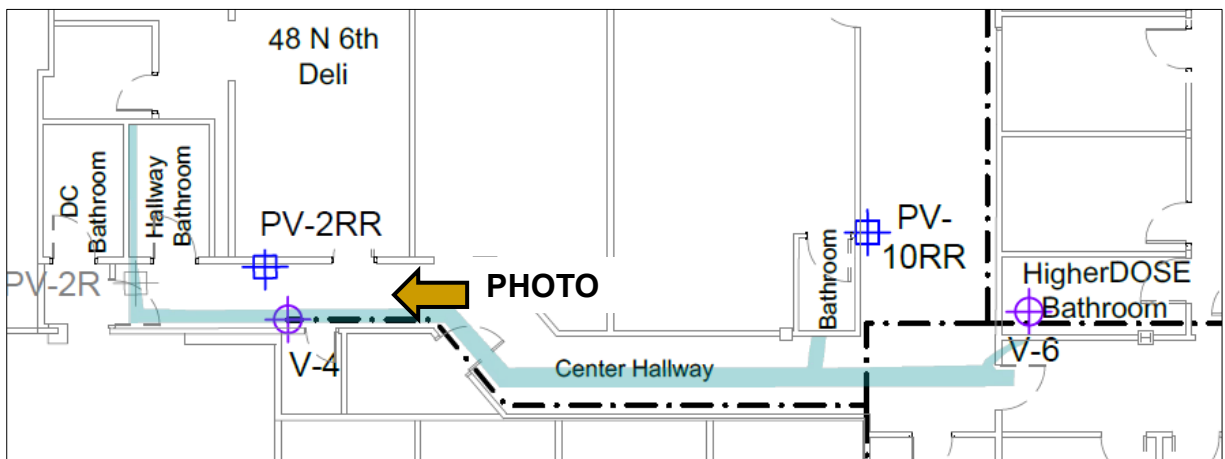
Photograph 1. Bathroom behind 48 N 6th Deli (hallway bathroom), slab repair areas shown with blue dotted line (October 18, 2021)



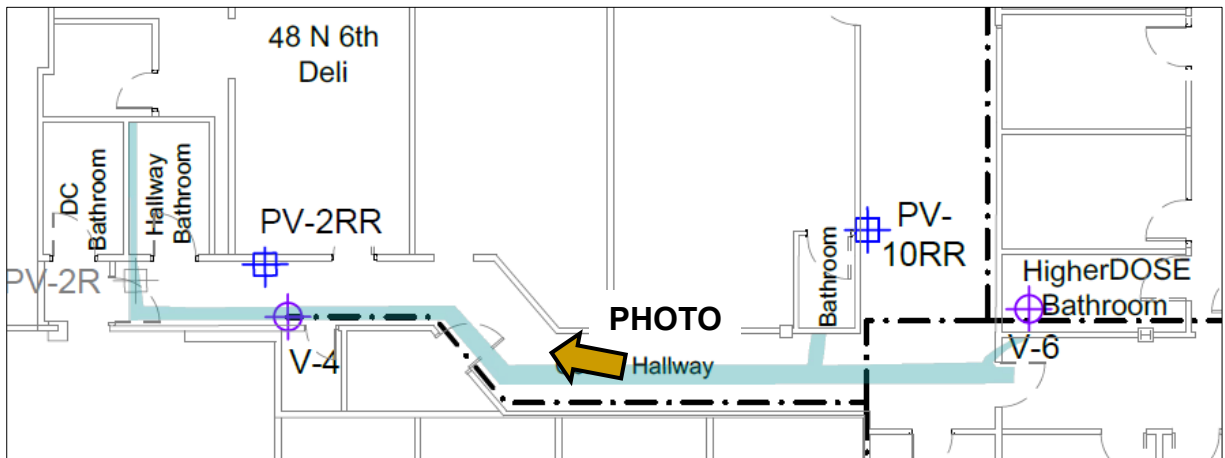
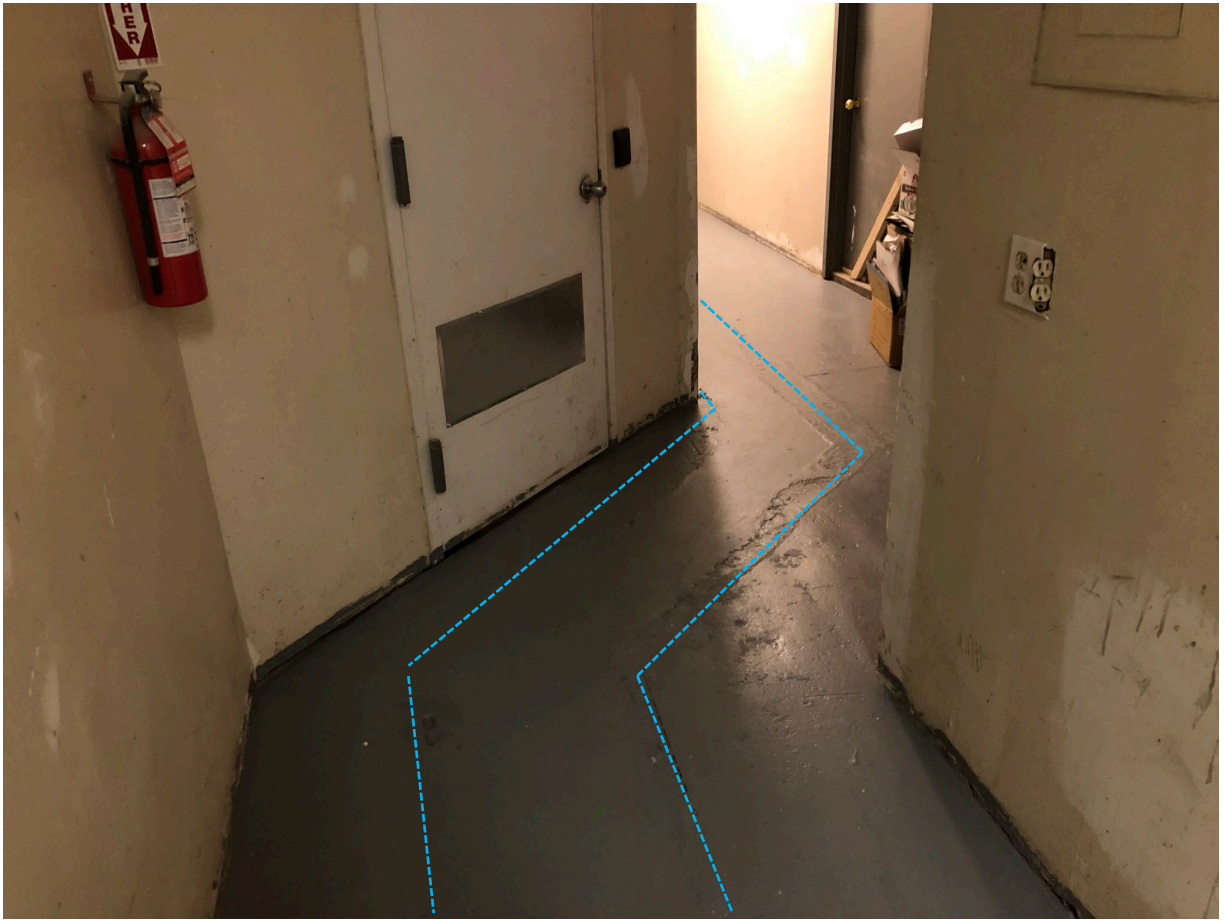
Photograph 2. Center hallway, facing toward hallway bathroom, showing cracks in slab and slab repair covering VMP PV-2R (October 18, 2021)



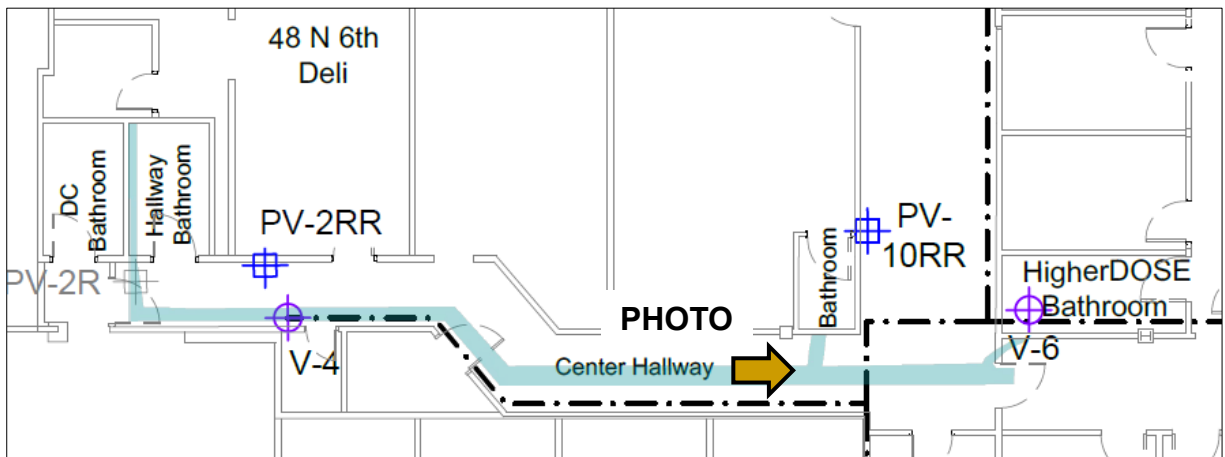
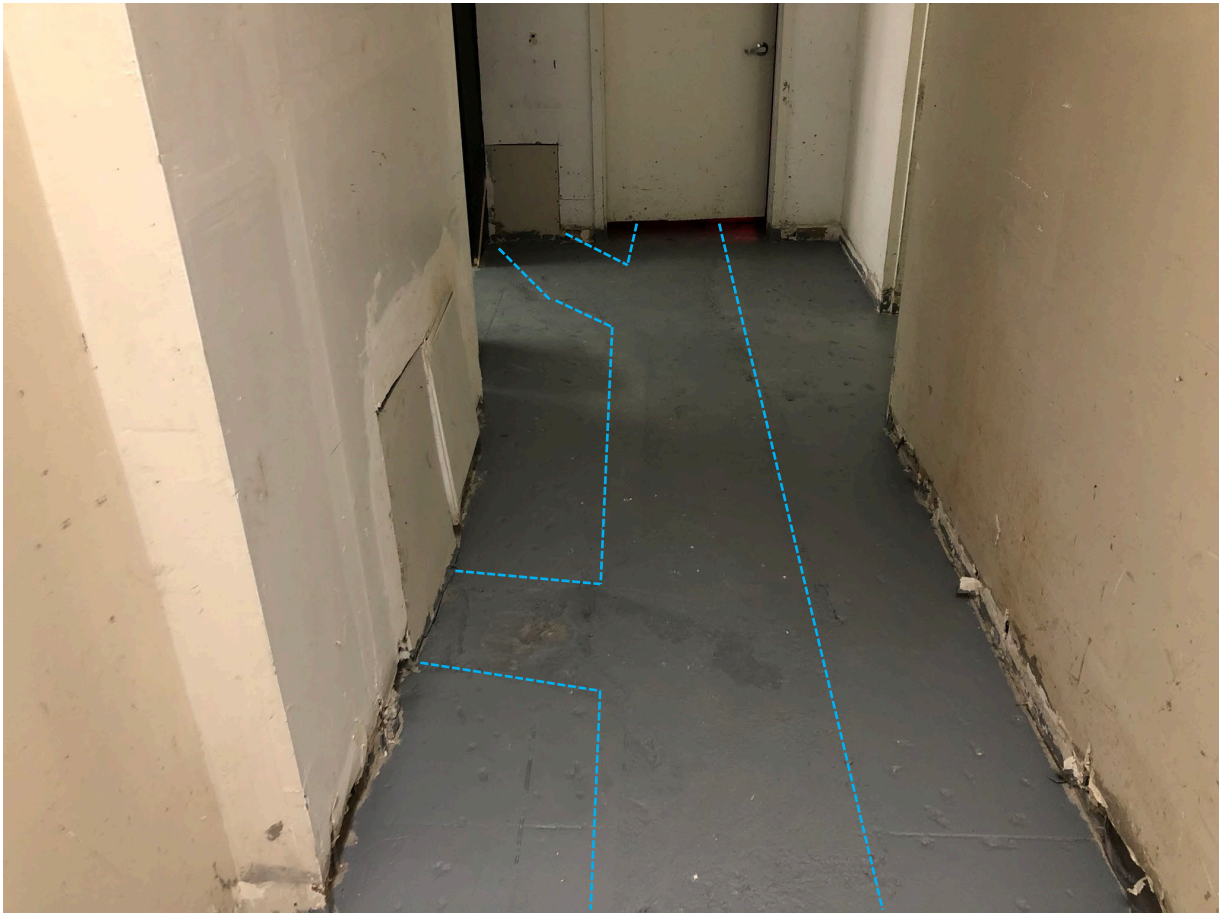
Photograph 3. Center hallway, facing door to Designers Collab side entrance, hallway bathroom door on right (October 18, 2021)



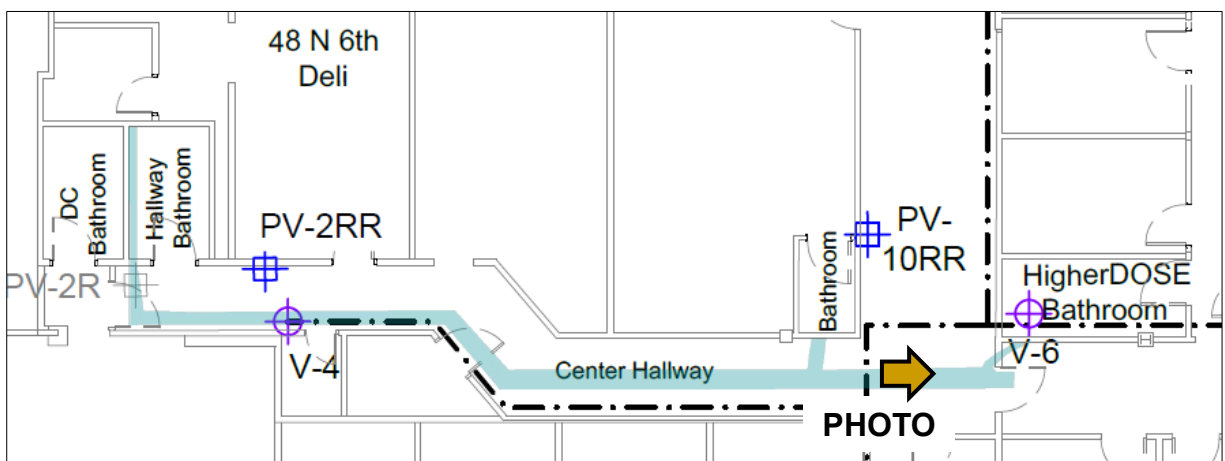
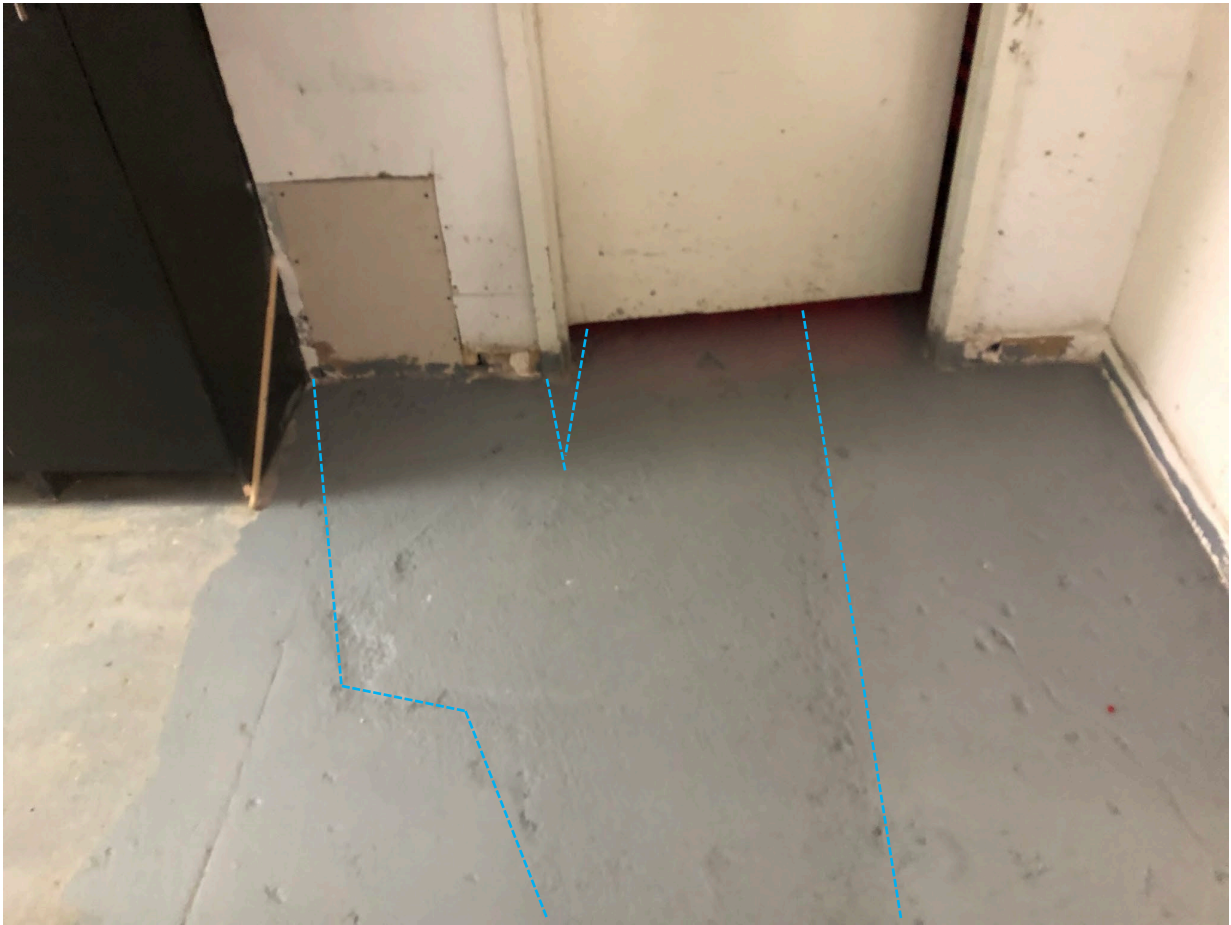
Photograph 4. Center hallway, facing door to Designers Collab side entrance, hallway bathroom door on right (October 18, 2021)



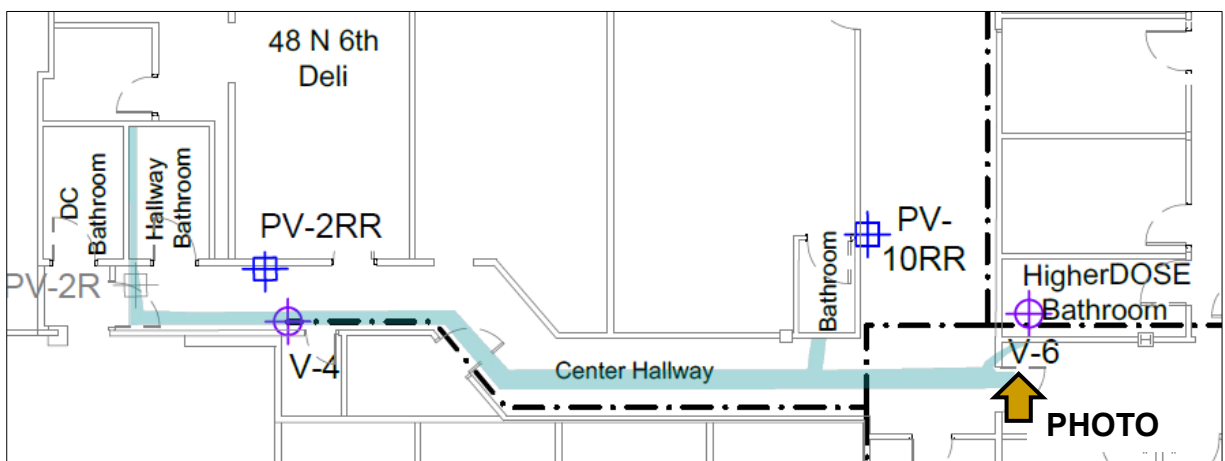
Photograph 5. Center hallway, facing toward Designers Collab (October 18, 2021)



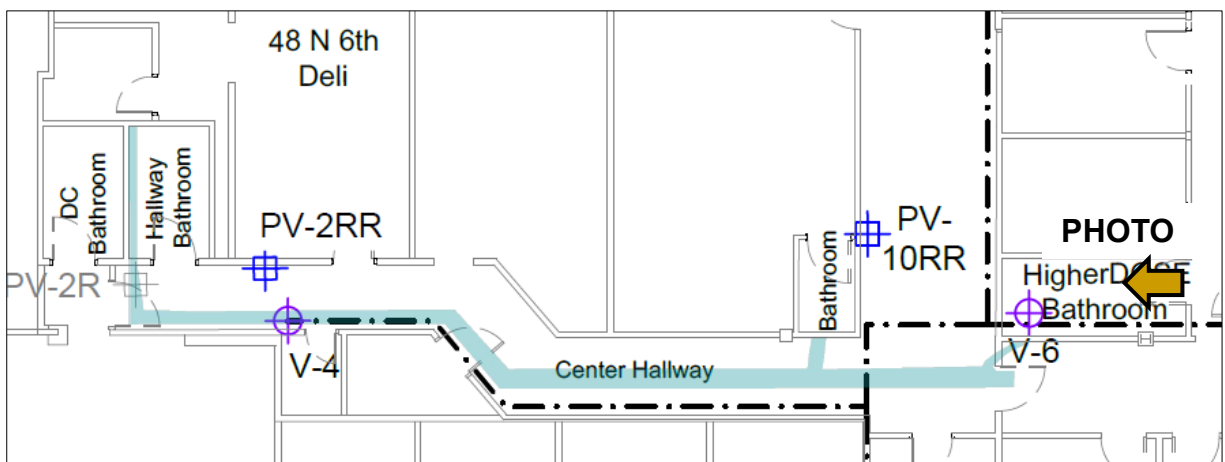
Photograph 6. Center hallway, facing away from Designers Collab toward door to HigherDOSE Spa side entrance (October 18, 2021). Slab repairs shown entering hallway wall on left connect to the wastewater line in the vacant commercial space (no access during October site visit, shown in Photograph 11).



Photograph 7. Hallway slab at HigherDOSE Spa side entrance (October 18, 2021)

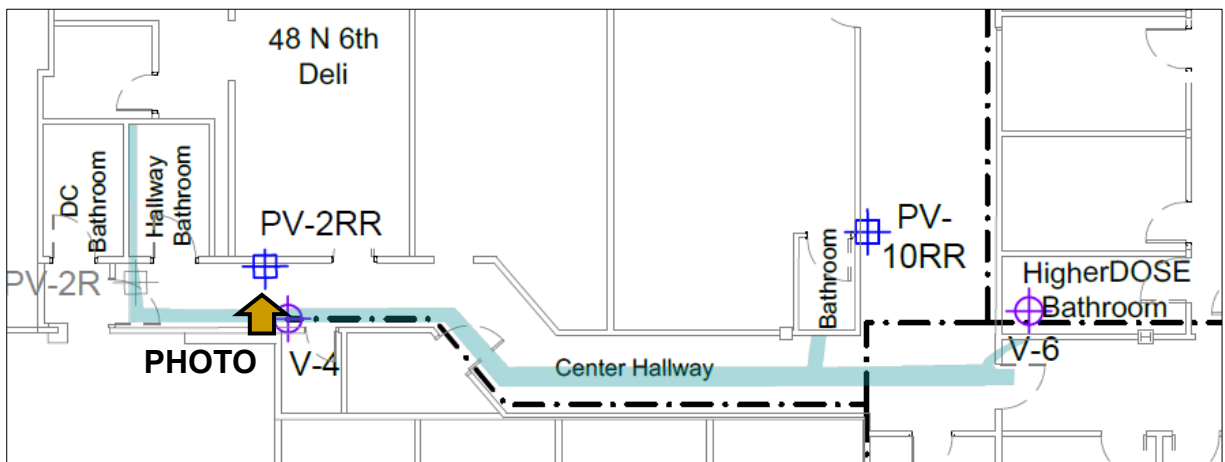
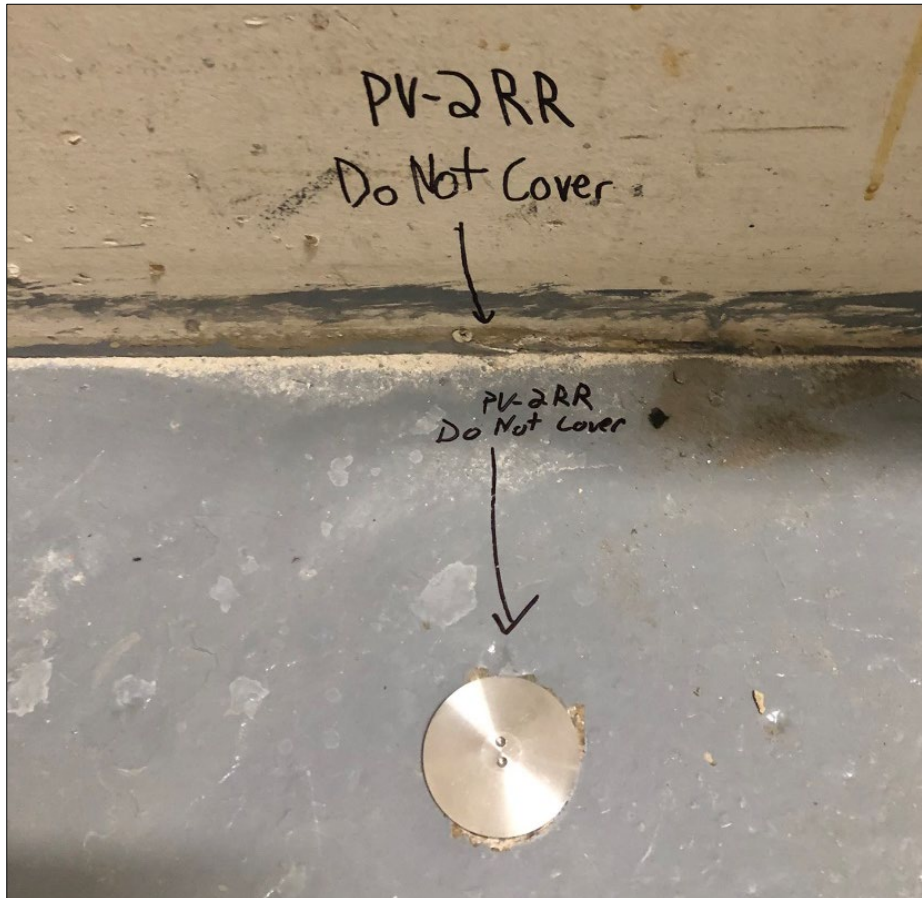


Photograph 8. Slab behind HigherDOSE Spa side entrance, door ajar, with patch on wall shared with HigherDOSE Spa bathroom (October 18, 2021)



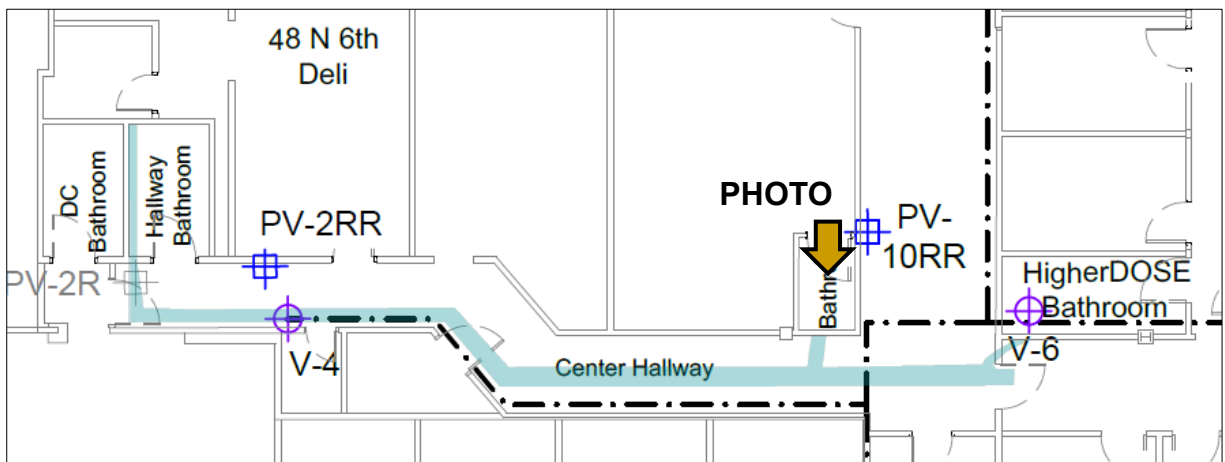
Photograph 9. HigherDOSE Spa Bathroom, no slab repairs observed (October 18, 2021)

November 11, 2021 VMP Reinstallation



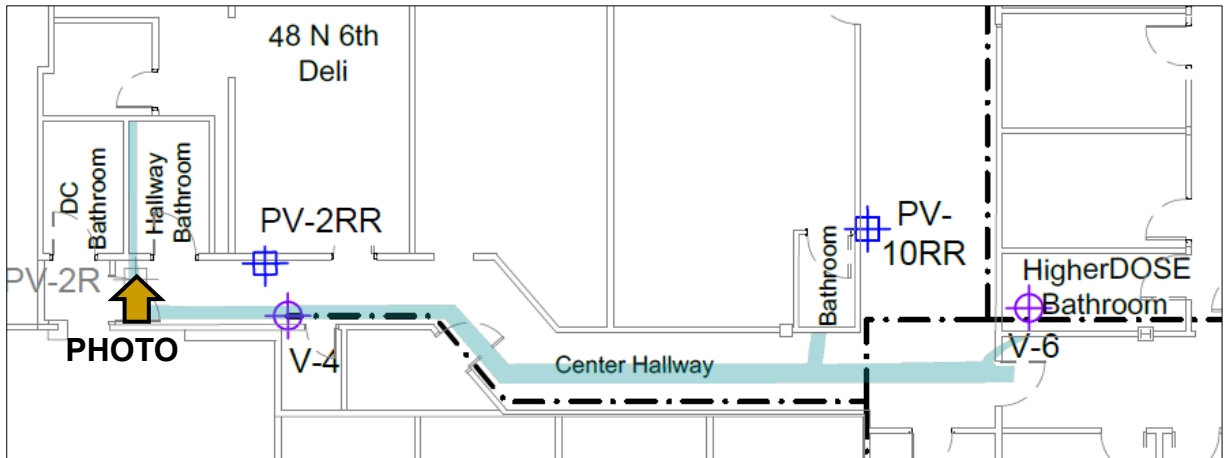
Photograph 10. Vacuum monitoring point PV-2RR (November 11, 2021)

December 22, 2021 Site Visit

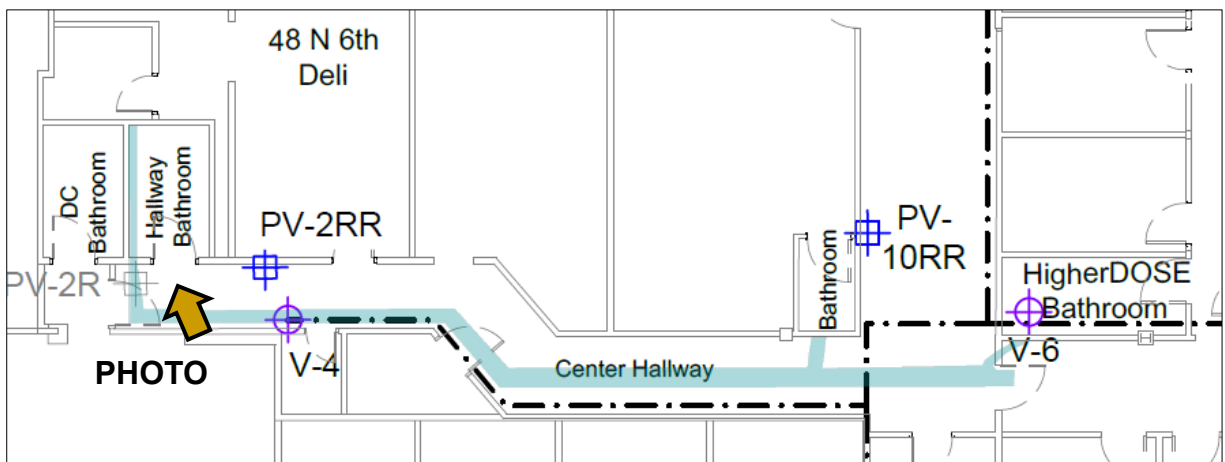


Photograph 11. Wastewater line connection in rear of vacant commercial space (December 22, 2021)

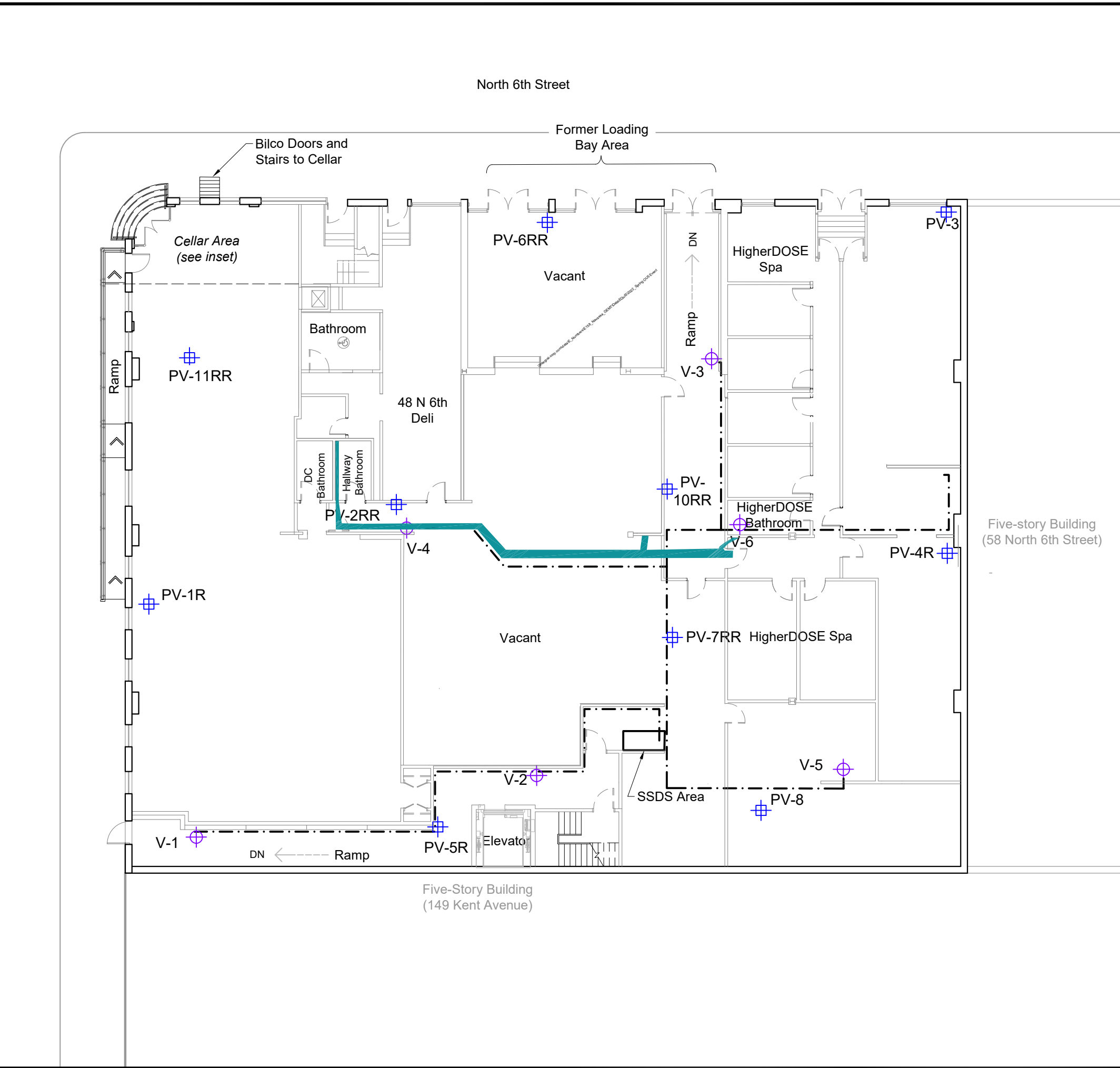
March 23, 2022 Site Visit



Photograph 12. Repair to cracks near former VMP PV-2R (March 23, 2022)



Photograph 13. Center hallway, facing entrance to hallway bathroom, showing repair to cracks near former VMP PV-2R (March 23, 2022)

[illegible]

From: [Sara Barbuto](#)
To: ["O'Connell, Jane H \(DEC\)"; Keith Brodock](#)
Cc: [Ockerby, Renata E \(HEALTH\); McLaughlin, Scarlett E \(HEALTH\); "Michael Weitzman"; Simpson, James L \(DEC\); John-Patrick Curran; Zheng, Wendi Y \(DEC\)](#)
Subject: RE: 135 Kent Avenue, Site No. C224177, Former Cleaner Sales & Equipment Corp.
Date: Tuesday, October 12, 2021 5:39:05 PM
Attachments: [image002.png](#)
[image003.png](#)

Hi Jane,

I spoke with Michael Weitzman of 135 Kent LLC. There have been ongoing toilet issues in the restroom for the former coffee shop (hallway behind Blossom), and work was being done to repair that toilet. Mr. Weitzman has reached out to his property manager to confirm the status of the slab. Mr. Weitzman is going to the building first thing to document what work was done, and will provide documentation once he is finished at the building. We discussed notification requirements prior to any slab opening. We plan to be in communication on this issue once we have more information tomorrow.

Thank you,
Sara

From: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>
Sent: Tuesday, October 12, 2021 2:42 PM
To: Keith Brodock <kbrodock@integral-corp.com>; Sara Barbuto <sbarbuto@integral-corp.com>
Cc: Ockerby, Renata E (HEALTH) <renata.ockerby@health.ny.gov>; McLaughlin, Scarlett E (HEALTH) <scarlett.mclaughlin@health.ny.gov>; 'Michael Weitzman' <mike@durenny.com>; Simpson, James L (DEC) <James.Simpson@dec.ny.gov>; John-Patrick Curran <jpcurran@sprlaw.com>; Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Subject: RE: 135 Kent Avenue, Site No. C224177, Former Cleaner Sales & Equipment Corp.

[CAUTION: External email. Think before you click links or open attachments.]
Thanks

Jane H. O'Connell, P.G.

Regional Remediation Engineer, Division of Environmental Remediation

New York State Department of Environmental Conservation

47-40 21st Street, Long Island City, NY 11101

P: (718) 482-4599 | F: (718) 482-6358 | M: (917) 817-1845 | jane.oconnell@dec.ny.gov

www.dec.ny.gov |  |  | 



**Department of
Environmental
Conservation**

From: Keith Brodock <kbrodock@integral-corp.com>
Sent: Tuesday, October 12, 2021 2:38 PM
To: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Sara Barbuto <sbarbuto@integral-corp.com>
Cc: Ockerby, Renata E (HEALTH) <renata.ockerby@health.ny.gov>; McLaughlin, Scarlett E (HEALTH) <scarlett.mclaughlin@health.ny.gov>; 'Michael Weitzman' <mike@durenny.com>; Simpson, James L (DEC) <James.Simpson@dec.ny.gov>; John-Patrick Curran <jpcurran@sprlaw.com>; Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Subject: RE: 135 Kent Avenue, Site No. C224177, Former Cleaner Sales & Equipment Corp.

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hi Jane,

I was not aware of work being done in the building; we will look into it and get back to you.

KEITH P. BRODOCK, P.E., P.P. | Principal

Tel: 212.440.6702 | Cell: 646.895.3325
31 West 34th Street, Suite 7196 | New York | NY 10001
kbrodock@integral-corp.com | www.integral-corp.com
Licensed in AL, CT, DE, FL, IL, MD, MI, MO, MS, MT, NC, NJ, NY, TX



From: O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>
Sent: Tuesday, October 12, 2021 2:23 PM
To: Sara Barbuto <sbarbuto@integral-corp.com>; Keith Brodock <kbrodock@integral-corp.com>
Cc: Ockerby, Renata E (HEALTH) <renata.ockerby@health.ny.gov>; McLaughlin, Scarlett E (HEALTH) <scarlett.mclaughlin@health.ny.gov>; 'Michael Weitzman' <mike@durenny.com>; Simpson, James L (DEC) <James.Simpson@dec.ny.gov>; John-Patrick Curran <jpcurran@sprlaw.com>; Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Subject: 135 Kent Avenue, Site No. C224177, Former Cleaner Sales & Equipment Corp.
Importance: High

[CAUTION: External email. Think before you click links or open attachments.]

Hi Sara and Keith – please see attached email and advise on what this work is and whether the slab has been penetrated?

Jane H. O'Connell, P.G.

Regional Remediation Engineer, Division of Environmental Remediation

New York State Department of Environmental Conservation

47-40 21st Street, Long Island City, NY 11101

P: (718) 482-4599 | F: (718) 482-6358 | M: (917) 817-1845 | jane.oconnell@dec.ny.gov

www.dec.ny.gov |  |  | 

