2024-2025 PERIODIC REVIEW REPORT

for

44-30 PURVES STREET
Long Island City, New York
NYSDEC BCP Site No. C241162

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May 22, 2026
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LANGAN

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1.0 INTRODUCTION

1.1 General

This Periodic Review Report (PRR) was prepared in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved October 21, 2015 Site Management Plan (SMP) and Section 6.3 of NYSDEC Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation. The certification period for this PRR is September 30, 2024 through May 22, 2026. A periodic review of all institutional and engineering controls (IC/ECs) and a site evaluation are required for fulfillment of the remedial action at 44-30 Purves Street (the site) under the Brownfield Cleanup Program (BCP), which is administered by the NYSDEC. The site was accepted into the BCP (Site No. C241162) and a Brownfield Cleanup Agreement (BCA), Index No. C241162-06-14, was executed on June 12, 2014. Site remediation was performed in accordance with the December 7, 2014 Remedial Action Work Plan (RAWP). NYSDEC issued a Certificate of Completion for the site on December 21, 2015.

1.2 Site Description

The site is located at 44-30 Purves Street in the Long Island City neighborhood of Queens, New York and is identified as Block 268, Lot 1 on the New York City Tax Map. The irregularly-shaped, 0.62-acre site is bound by Purves Street to the east, a 10-story residential building to the southeast (Lot 31), Thomson Avenue to the southwest, 44th Drive to the west, and a 27-story residential building to the north (Lot 4). A site location map is included as Figure 1.

The site is improved with a 35-story residential building with frontage along Purves Street, a two-story building with residences, residential amenity space and retail along Thomson Avenue and 44th Drive, and an open, partially-paved and partially-landscaped courtyard. A ventilated parking garage spans an area of about 11,000 square feet in the lowest level of the building along Thomson Avenue and 44th Drive.

1.3 Site Background and Environmental History

The site is within a historically industrial area of Long Island City, Queens and was used for manufacturing purposes as early as the 1940s, including a chemical laboratory, automobile repair, private garage, controller and fine chemicals manufacturing, and welding and repair services. Several environmental investigations and reports were completed between April 2006 and September 2014: April 2006 Phase I Environmental Site Assessment (ESA), November 2006 Phase II Environmental Site Investigation (ESI), December 2011 Phase I ESA, and September 2014 Remedial Investigation Report (RIR).

A summary of investigation findings for each report is provided in the 2014 RIR. The conclusions of the investigation reports are summarized as follows:

- Two underground storage tanks (USTs) are shown on the 1947 and 1950 Sanborn maps. Petroleum impacts identified in soil were attributed to the suspected USTs.
- A variable site-wide historic fill layer was present up to 11 feet thick and contained semivolatile organic compound (SVOC), pesticide, polychlorinated biphenyl (PCB), and metal concentrations that exceeded RURR SCOs[1].
- Tetrachloroethene (PCE) and trichloroethene (TCE) were detected in groundwater at concentrations exceeding NYSDEC SGVs[2].
- PCE and TCE were detected in soil vapor throughout the site.
- On-site PCE and TCE impacts to soil vapor and groundwater were attributed to an off-site source.

1.4 Summary of Remedial Action

A Track 4 remediation was implemented in accordance with the NYSDEC-approved November 7, 2014 RAWP between March 16 and October 30, 2015. A detailed account of the remedy is provided in the November 13, 2015 Final Engineering Report (FER), and is summarized as follows:

- Excavation and off-site disposal of hazardous lead-impacted historic fill, petroleum-impacted material, and contaminated nonhazardous historic fill material exceeding the Track 4 Site-Specific SCOs to depths of 4.5 to 7 feet below grade surface (bgs) throughout the site and to about 8 feet bgs for elevator pits and one UST excavation
- Decommissioning, closure, and removal of four USTs (including two previously unknown USTs) and collection and analysis of endpoint soil samples for each UST location
- Collection and analysis of documentation soil samples from the base of the excavation and the perimeter sidewalls, in accordance with NYSDEC DER-10
- Backfilling excavations to development grade with recycled concrete aggregate (RCA) and 3/4-inch virgin crushed stone

[1] RURR SCOs = Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (6 NYCRR) NYSDEC Part 375 Restricted Use Restricted-Residential (RURR) Soil Cleanup Objectives (SCOs).

[2] NYSDEC SGVs = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs).

For contaminated soil remaining after remediation, the following controls were implemented:

Engineering Controls (ECs)

- Composite cover system, consisting of: (1) 10-inch-thick reinforced concrete building slabs above a vapor barrier/waterproofing membrane, (2) concrete pavement, and (3) two feet of clean stone above a demarcation barrier in landscaped areas
- Installation and operation of a sub-membrane depressurization (SMD) system, under portions of the site building that are not used as a mechanically-ventilated parking garage, to mitigate potential volatile organic compound (VOC) vapor intrusion into the building

Institutional Controls (ICs)

- Execution of an Environmental Easement
- Implement, maintain and monitor the ECs
- Prevent exposure to residual soil contaminants by controlling any disturbance below the composite cover through an SMP
- Limit the use and development of the site to restricted-residential, commercial and industrial uses only

Except for installation of the above-slab portions of the SMD system, remedial activities were completed as of October 30, 2015. Above-slab portions of the SMD system were completed during the balance of building construction. The building is complete and has a NYC-issued certificate of occupancy.

1.5 Effectiveness of the Remedial Program

The remedial program was designed to eliminate or mitigate environmental and human health exposure to adverse environmental conditions still present in soil, groundwater, and soil vapor. The ICs and ECs for the certification period meet the remedial objectives for the site.

1.6 Compliance

On August 27, 2025, Langan was informed of an active alarm on the building management system (BMS) corresponding to one of the two SMD system blowers. An inspection was performed on August 28, 2025. During the inspection, the Airtech 3BA1400 blower was observed to not be operating. The blower did not appear to have power, and could not be activated. Following additional troubleshooting by the building maintenance team, and in coordination with the blower manufacturer, it was determined that the motor was damaged and a replacement unit was required. A Corrective Measures Work Plan (CMWP) was submitted to NYSDEC and New York State Department of Health (NYSDOH). The CMWP was approved on February 25, 2026 and is included in Appendix A.

On October 2, 2025, the blower was removed from the site and a vendor was retained to provide a replacement.

On October 17, 2025, indoor air was screened for VOCs with a ppbRAE and the alarm system was investigated – no readings above background were detected.

On October 30, 2025, an indoor air sampling event was performed consisting of one indoor air sample, one ambient air sample, and completion of a New York State Department of Health (NYSDOH) questionnaire and a chemical inventory. Sample results did not exceed the NYSDOH Air Guideline Values (AGV).

On January 16, 2026, a replacement 3BA1400 blower was delivered to the site. It was installed on January 30, 2026 and began operating on February 2, 2026.

On March 4, 2026, a second indoor air sampling event was performed consisting of one indoor air sample, one ambient air sample, and two soil vapor samples (one from each SMD riser pipe) and completion of a NYSDOH questionnaire and a chemical inventory. Sample results did not exceed the NYSDOH AGVs.

On April 3, 2026, a remote alarm and telemetry system was installed. The telemetry system allows the system to be monitored online. The alarm system sends remote notifications to the building management team and Langan project team if either of the two SMD blowers lose power or exceed the vacuum set point.

On April 10, 2026, an alarm test was performed. Each SMD blower was turned off separately. During each test, email alerts were received and the online portal properly indicated the blowers were not on.

All other ICs and ECs remain fully in place at the site for the certification period and continue to be effective.

1.7 Recommendations

No changes to the SMP are recommended at this time.

2.0 IC/EC PLAN COMPLIANCE REPORT

IC/ECs are required to protect human health and the environment because residual contaminated soil, groundwater, and soil vapor exists in the site subsurface. The IC/EC Plan included in the SMP describes the procedures for the implementation and management of the IC/ECs.

2.1 IC/EC Components

The following summarizes IC/ECs implemented at the site:

- Operation and maintenance of the SMD system, installed under portions of the site building that are not used as a mechanically-ventilated parking garage, to mitigate potential VOC vapor intrusion into the building. The parking garage is ventilated in accordance with the New York City Mechanical Code. The SMD layout plan is shown on Figure 2.
- Maintenance of a composite cover system to prevent human exposure to residual contaminated soils remaining under site structures. The location and components of the composite cover are shown on Figure 3.
- The site may be used for restricted-residential use as described in 6 NYCRR Part 375-1.8(g)(2)(iii), commercial use as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and industrial use as described in 6 NYCRR Part 375-1.8(g)(2)(iv).
- All ECs must be operated, maintained, and inspected as specified in the SMP.
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH) or the New York City Department of Health and Mental Hygiene to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the NYSDEC.
- All future activities on the property that will disturb residual contaminated material must be conducted in accordance with the SMP.
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to ensure compliance with the restrictions identified by the Environmental Easement (included as Appendix B).

- The site shall not be used for unrestricted or residential uses as defined in 6 NYCRR 375-1.8(g)(2)(i), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of the Environmental Easement.

2.2 Goal Status and Corrective Measures

In accordance with the SMP, an annual site inspection was performed on August 28, 2025. The following deficiency was observed:

- The Airtech 3BA1400 blower was observed to not be operating. The blower did not appear to have power, and could not be activated. Following additional troubleshooting by the building maintenance team, and in coordination with the blower manufacturer, it was determined that the motor was damaged and a replacement unit was required.

The other SMD system blower continued to operate, and the vapor barrier membrane and the 10-inch-thick concrete foundation slab remained intact.

The following corrective actions were implemented to satisfy the requirements listed in the October 23, 2025 and January 7, 2026 NYSDEC Corrective Measures Work Plan Required letters:

2.2.1 Blower Replacement and Contingency Plan

A replacement 3BA1400 blower was delivered to the site on January 16, 2026, installed on January 30, 2026, and began operating on February 2, 2026. The expected lifespan for these blowers under normal operating conditions is 10 years. The existing 3BA1300 blower has been operating for approximately 7 years.

A contingency plan for replacement of both blowers has been established. Replacement units and replacement lead times are being coordinated with two different vendors. Specification sheets for the proposed replacement units and confirmation of the anticipated replacement schedule are included in Appendix C.

2.2.2 Alarm Description and Monitoring

A standalone Bloom™ remote telemetry system was installed on April 3, 2026 and tested on April 10, 2026. The telemetry system allows the system to be monitored online. The alarm system sends remote notifications to the building management team and Langan project team if either of the two SMD blowers lose power or exceed the vacuum set point.

Product specifications are included in Appendix C. A photograph log is provided as Appendix D.

2.2.3 Revised SMD System Drawings

Revised PE-certified as-built SMD System drawings, including a layout of the SMD system from slab to roof, blowers, gauges, elevation of the blowers, alarm locations and a process system diagram, are provided in Appendix E.

2.2.4 Indoor Air Sampling

An indoor air sampling event was conducted on October 30, 2025 to document indoor air quality inside the building leasing office on the ground floor. An outdoor ambient air sample was also collected for quality assurance/quality control (QA/QC). Sample results did not exceed the NYSDOH AGVs.

On March 4, 2026, a second indoor air sampling event was performed consisting of one indoor air sample, one ambient air sample, and two soil vapor samples (one from each SMD riser pipe). Sample results did not exceed the NYSDOH AGVs.

The samples were collected into laboratory-supplied, batch-certified, Summa® canisters over an 8-hour sampling period. The samples were labeled and transported via courier under a chain-of-custody to a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory. The samples were analyzed for VOCs via United States Environmental Protection Agency (USEPA) Method TO-15. An NYSDOH Indoor Air Quality Questionnaire and Building Inventory was completed during the sampling events.

The October 30, 2025 and March 4, 2026 sample results are included in Table 1 and 2, respectively. Sample locations are shown on Figure 4. The laboratory analytical data reports are included in Appendix F and the Indoor Air Quality Questionnaires and Building Inventories are included as Appendix G.

2.3 Conclusions and Recommendations

No additional modifications to the IC/ECs are proposed at this time.

3.0 MONITORING PLAN COMPLIANCE REPORT

3.1 Monitoring Plan Components

The components of the Monitoring Plan are as follows:

1. Annual inspection of the composite cover system;
2. Annual inspection of the SMD system and parking garage ventilation system; and
3. Annual site-wide inspection.

A comprehensive inspection was conducted on August 28, 2025 that included the three above-listed monitoring plan components. Site inspection photographs are provided in Appendix D. A summary of each inspection is presented in the following sections and the inspection forms detailing findings are provided in Appendices H, I and J.

3.2 Summary of Monitoring Completed

3.2.1 Composite Cover System Inspection

The annual composite cover system was inspected on August 28, 2025, including a visual assessment for integrity of the site building slabs, pavers and stone in landscaped areas, and the sidewalk pavement along Purves Street. Damages and/or breaches to the composite cover system were not identified during the annual inspection events for the certification period. A composite cover system inspection form is included as Appendix H.

3.2.2 SMD System Inspection

Inspection of the SMD system was conducted on August 28, 2025. The SMD system was inspected to determine whether the system installation and function is satisfactory and consistent with the manufacturer's specifications and the design criteria. The north SMD system blower was observed to not be operational during the inspection. No other deficiencies were observed. On January 30, 2026 a replacement blower was installed and began operating on February 2, 2026. On April 3, 2026, a remote alarm and telemetry system was installed and successfully tested on April 10, 2026. During each test, email alerts were received and the online portal properly indicated the blowers were not on. The SMD system is again operational and consistent with the design criteria. The SMD inspection forms are included in Appendix I.

3.2.3 Annual Site-wide Inspection

The annual site-wide inspection was completed on August 28, 2025. This consisted of spot inspections of all ECs and verification of ICs. All IC/EC components inspected were in compliance with the SMP. Deviations or discrepancies were not observed. The completed site-wide inspection form is included as Appendix J.

3.3 Conclusions and Recommendations

No changes to the SMP are recommended at this time.

4.0 OPERATION & MAINTENANCE (O&M) PLAN COMPLIANCE REPORT

4.1 O&M Plan Purpose

The components of the O&M Plan are as follows:

- Continuous operation and maintenance, as necessary, of the SMD system

4.2 SMD O&M Activities

SMD system inspections were performed following initial startup and testing, which was completed on March 6, 2018. Inspections consisted of documenting the accessible, above-grade components of the SMD system, recording flow readings, testing the system alarm, and documenting the vacuum gauge readings. The north SMD system blower was observed to not be operational during the August 28, 2025 inspection. On January 30, 2026, a replacement blower was installed and began operating on February 2, 2026. On April 3, 2026, a remote alarm and telemetry system was installed and successfully tested on April 10, 2026.

4.2.1 Evaluation of SMD System

The SMD system's primary objective is to create a negative pressure under the floor slab and draw soil vapor to the two vacuum blowers located on the roof of the building, where the vapor is discharged to and diluted with the atmosphere. Based on the inspections, the SMD system is operational and functioning within the design criteria.

4.3 O&M Deficiencies

The north SMD system blower deficiency observed during the August 28, 2025 inspection, which was resolved by February 2, 2026. No deficiencies were identified during the August 28, 2025 site inspection. A paper copy of the O&M plan was not available at the site but the plan was accessible electronically.

4.4 Conclusions and Recommendations

No changes to the SMP are recommended at this time.

5.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

5.1 SMP Compliance

Each component of the SMP, including the IC/EC Plan, Monitoring Plan, and O&M Plan, was in compliance for the certification period.

5.2 Remedy Performance Evaluation

5.2.1 Composite Cover System

Conditions of the site building slabs and landscaped areas were inspected for quality and integrity. The site-wide composite cover system was observed to be intact and continues to protect public health and the environment.

The north SMD system blower was observed to not be operational during the August 28, 2025 inspection. On January 30, 2026 a replacement blower was installed and began operating on February 2, 2026. The SMD system is operating as designed and is mitigating the potential exposure to soil vapor contaminants.

5.2.2 IC Components

All ICs were maintained during the certification period, and the Environmental Easement on the site remains in place.

5.3 Future Submittals

Annual inspections of the SMD system and site-wide composite cover system will continue to be conducted as specified in the NYSDEC-approved SMP Reporting Plan. Forms and other information generated during regular monitoring events and inspections will be submitted at the time of the annual PRR.

6.0 DER-31 GREEN REMEDIATION EVALUATION

The NYSDEC DER-31 Green Remediation Policy requires that green remediation concepts and techniques be considered during all stages of the remedial program (including site management), with the goal of improving the sustainability of the cleanup and summarizing the net environmental benefit of any implemented green technology. This section provides a discussion and evaluation of environmental impacts associated with site management activities for the site during the 2024 to 2025 reporting period, and a summary of green remediation goals for the 2025 to 2026 reporting period.

Green remediation principles and techniques were implemented to the extent feasible in the site management phase of the remedy as per DER-31. The green remediation components evaluated were as follows:

- Waste Generation
- Energy Usage
- Emissions
- Water Usage
- Land and/or Ecosystems

6.1 Waste Generation

Waste generation considers the management of waste associated with site management activities and any waste reduction projects including, but not limited to, material reuse and recycling. For the annual inspections, minimal to no waste was generated and electronic means of data collection (i.e., tablets) were used to reduce paper consumption.

6.2 Energy Usage

Energy usage considers the electrical usage for operation of SMD system and site lighting needed for OM&M activities. The SMD system is powered using the municipal grid, and therefore are subject to local energy supply means. Annual energy usage is summarized in Table 6.5.

6.3 Emissions

Emissions tracking considers fuel usage for transportation to and from the site for inspections. Fuel usage is required for transportation of personnel to and from the site, and transportation associated with screening/sampling equipment. During the 2024 to 2025 reporting period, personnel used public transportation to and from the site and in-house equipment was used so a courier was not needed. Annual emissions are summarized in Table 6.5.1.

6.4 Water Usage

Water usage considers sources of water for tasks such as decontamination, irrigation, etc. No water was used during the annual site inspections.

6.5 Land and/or Ecosystems

Land and/or ecosystems considers any disturbances and restoration of land and/or ecosystems as part of the implementation/operation of the remedy. No disturbances or restoration of land and/or ecosystems are required as part of site management activities.

Table 6.5.1: Annual Environmental Analysis

Item	Estimated Power Usage (kWh)	Estimated Carbon Footprint (metric tons CO2e)	Comment
SMD System Blowers	12,000	2.61	2 x Airtech 3b1400 Regenerative Blowers
Equipment	125	0.03	PID, Velocicalc
Transit to/from site Inspection	N/A	N/A	Public Transit
Computer Usage	0.5	0.016	Field Preparation, Reporting

6.6 Goals for Site Management Activities in 2026

While future development associated with the site's remedial program is not anticipated, goals for the project to incorporate green remediation principles and techniques include:

- Off-set energy consumption with energy collected from sustainable technology (i.e. solar panels, wind turbines, etc.)
- Personnel will continue to utilize public transportation to and from the site when possible, during annual site-wide inspections to reduce emissions;
- Langan equipment will be used when possible, to eliminate the need for an equipment courier; and
- Tracking of detailed green remediation components to generate an environmental footprint analysis for the 2025 to 2026 reporting period.

Langan will continue to evaluate green remediation concepts and techniques for inclusion in site management, with the goal of improving the sustainability of the cleanup and site management activities.

7.0 CERTIFICATION OF IC/ECS

7.1 IC/EC Certification Form

The completed IC/EC Certification Form is provided as Appendix K.

7.2 IC/EC Certification

I, Jason Hayes, P.E., of Langan, have been authorized and designated by the site owner to sign this certification for the site.

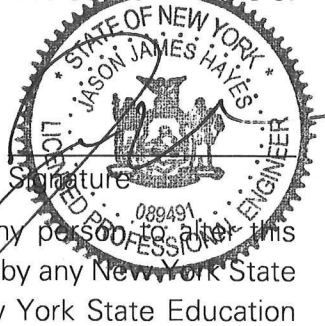
For each IC/EC identified for the site, I certify that to the best my knowledge all of the following statements are true:

- The inspection of the site to confirm the effectiveness of the IC/ECs required by the remedial program was performed under my direction;
- The IC/ECs employed at this site are unchanged from the date the control was put in place, or last approved by the Department;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control;
- Access to the site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- Use of the site is compliant with the environmental easement;
- The engineering control systems are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program and generally accepted engineering practices; and
- The information presented in this report is accurate and complete.

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

089491
New York State Professional Engineer #

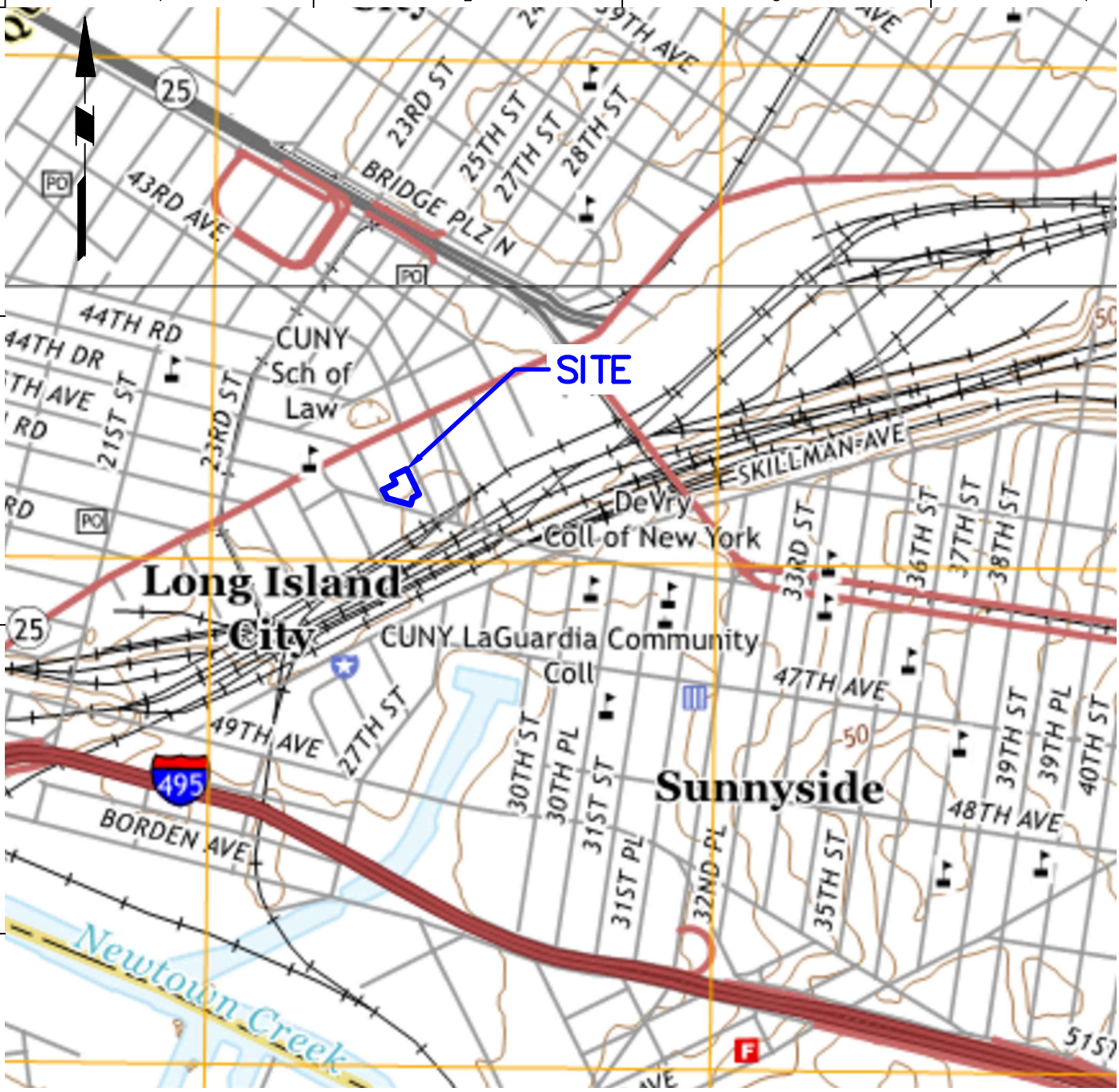
7-27-2026
Date



Signature

It is a violation of Article 145 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 145, New York State Education Law.

FIGURES



LEGEND:

SITE BOUNDARY

NOTES:

1. BASE MAP ADAPTED FROM UNITED STATES GEOLOGICAL SURVEY (USGS) 2016 7.5-MINUTE SERIES TOPOGRAPHIC MAP, CENTRAL PARK, NY-NJ AND BROOKLYN, NY.

1000 0 500 1000

SCALE: 1 INCH = 1000 FEET

LANGAN

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Project

44-30 PURVES STREET

BLOCK No. 268 LOT No. 1

QUEENS NEW YORK

Figure Title

SITE LOCATION MAP

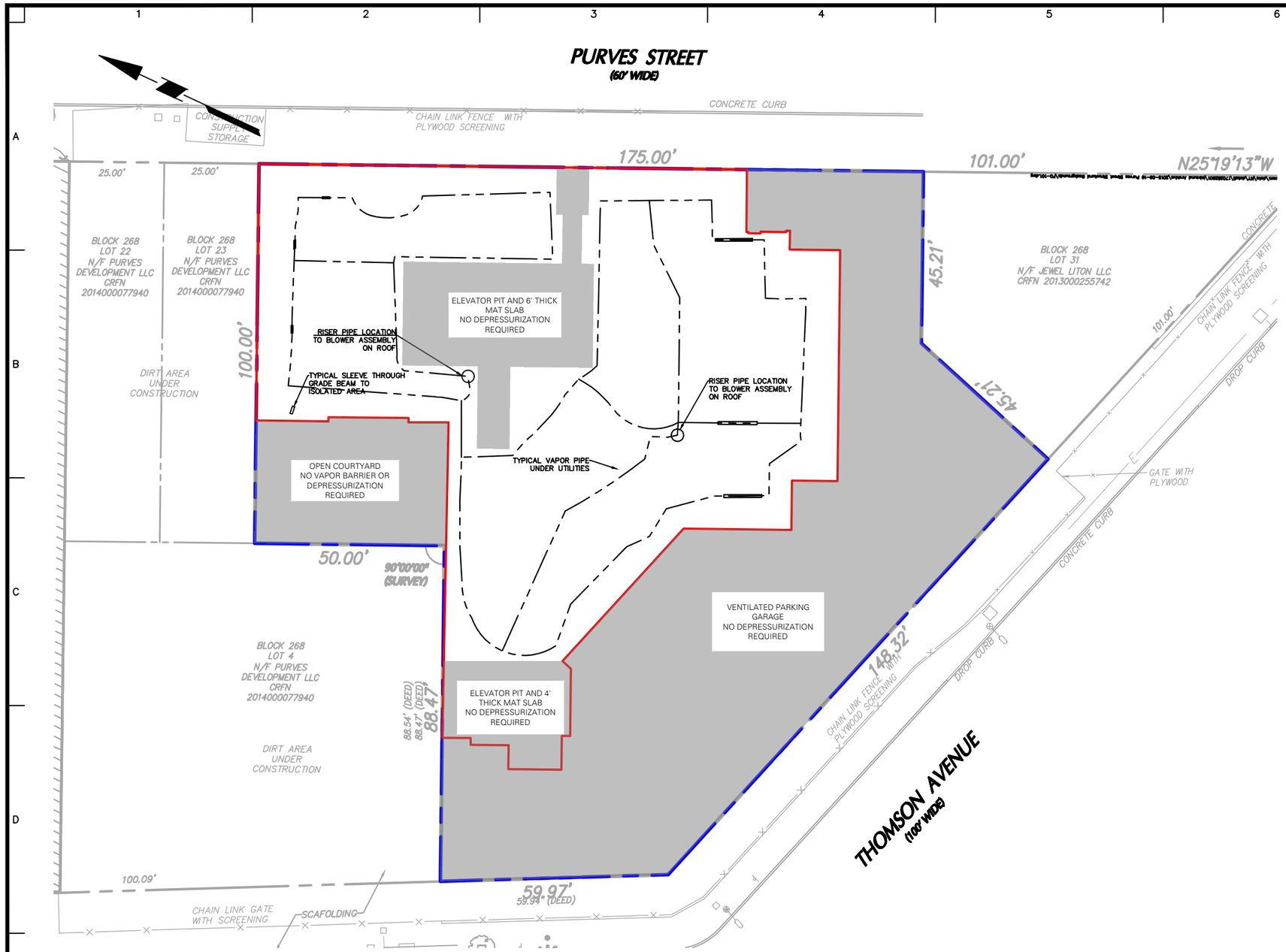
Project No.	170282501
Date	04/27/2020
Drawn By	EMS
Checked By	VDP

Figure No. 1

Sheet 1 of 4

© 2019 Langan

Filename: \\langan.com\data\NY\data5\170282501\Cadd Data - 170282501\SheetFiles\Environmental\Annual Certifaction PRR\Figure 1 - Site Location Map.dwg Date: 10/12/2022 Time: 13:32 User: bkoontz Style Table: Langan.stb Layout: ANSIA-BP



GENERAL NOTES:

1. BASE MAPS TAKEN FROM FXFOWLE, "FOUNDATION PLAN BUILDING A, FO-101.00", DATED MAY 12, 2014, REVISED JULY 30, 2015, AND MAY 21, 2015 SURVEY BY LANGAN.
2. VAPOR BARRIER EXTENDS BELOW THE FOOTPRINT AND ALONG THE VERTICAL WALLS OF DEPRESSED FOUNDATION MAT AND SLABS, AS NOTED IN THE DRAWING. VAPOR BARRIER INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
3. VAPOR COLLECTION PIPE RUNS ARE APPROXIMATE. PIPE LOCATIONS ARE SHOWN IN AS-BUILT DRAWING INCLUDED IN APPENDIX Q.
4. RISER PIPE STUB LOCATION IS APPROXIMATE. RISER PIPE RUNS AND ROOF-TOP BLOWER AND EXHAUST POINT LOCATIONS ARE SHOWN IN AS-BUILT DRAWINGS.
5. THE DEEP ELEVATOR PIT AND SHEAR WALL PILE CAP ARE NOT DEPRESSURIZED BECAUSE IT IS A 6-FOOT THICK CONCRETE MAT AND WATERPROOFED IN ACCORDANCE WITH THE FOUNDATION DRAWINGS AND SPECIFICATIONS.
6. THE WATERPROOFING BENEATH THE SHEAR WALL PILE CAP, DEEP ELEVATOR PIT, AND ANY OTHER WATERPROOFED FOUNDATION ELEMENT, ARE MARRIED TO THE VAPOR BARRIER MEMBRANE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
7. SLEEVES THROUGH GRADE BEAMS WERE DESIGNED BY OTHERS.

LEGEND:

- PROPERTY BOUNDARY
- VAPOR BARRIER EXTENTS
- SMD VAPOR COLLECTION PIPING
- SLEEVE THROUGH GRADE BEAM FOR VAPOR COLLECTION PIPE
- APPROXIMATE RISER PIPE LOCATION

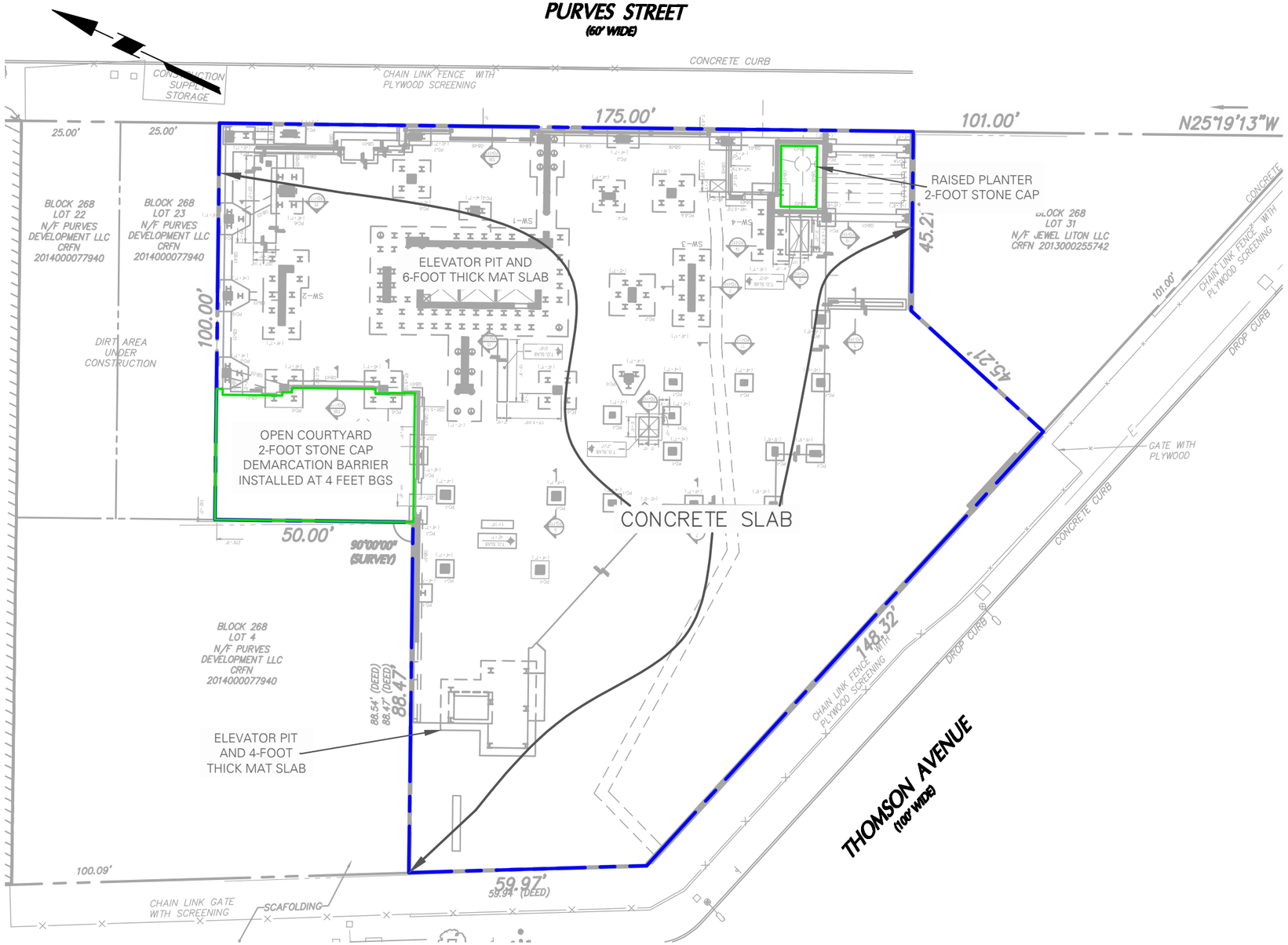
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SCALE IN FEET

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Project	44-30 PURVES STREET BLOCK No. 268, LOT No. 1 QUEENS NEW YORK
Figure Title	SMD AND VAPOR BARRIER LAYOUT PLAN
Project No.	170282501
Date	04/27/2020
Drawn By	EMS
Checked By	VDP
Figure No.	2
Sheet	2 of 4

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Filename: \\langan.com\data\NY\data5\170282501\Cadd Data - 170282501\SheetFiles\Environmental\Annual Certifaction PRR\Figure 2 - SMD and Vapor Barrier Plan.dwg Date: 10/12/2022 Time: 13:35 User: bkontz Style Table: Langan.stb Layout: ANSIB-BL



GENERAL NOTES:

1. BASE MAPS TAKEN FROM FXFOWLE, "FOUNDATION PLAN BUILDING A, FO-101.00", DATED MAY 12, 2014, REVISED JULY 30, 2015, AND MAY 21, 2015 SURVEY BY LANGAN.
2. THE STONE USED FOR THE 2-FOOT CAPS WAS IMPORTED FROM THE TILCON WEST NYACK QUARRY LOCATED IN WEST NYACK, NEW YORK. THE QUARRY IS A NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT)-APPROVED QUARRY, AND THE STONE MEETS THE REQUIREMENTS FOR NYSDOT #2 STONE. GRADATION ANALYSIS RESULTS SHOWED THAT THE STONE HAS LESS THAN 10% BY WEIGHT PASSING THROUGH A #80 SIEVE.
3. BGS = BELOW GRADE SURFACE

LEGEND:

PROPERTY BOUNDARY

LANDSCAPED AREA EXTENTS

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Project
44-30 PURVES STREET
BLOCK No. 268, LOT No. 1
QUEENS NEW YORK

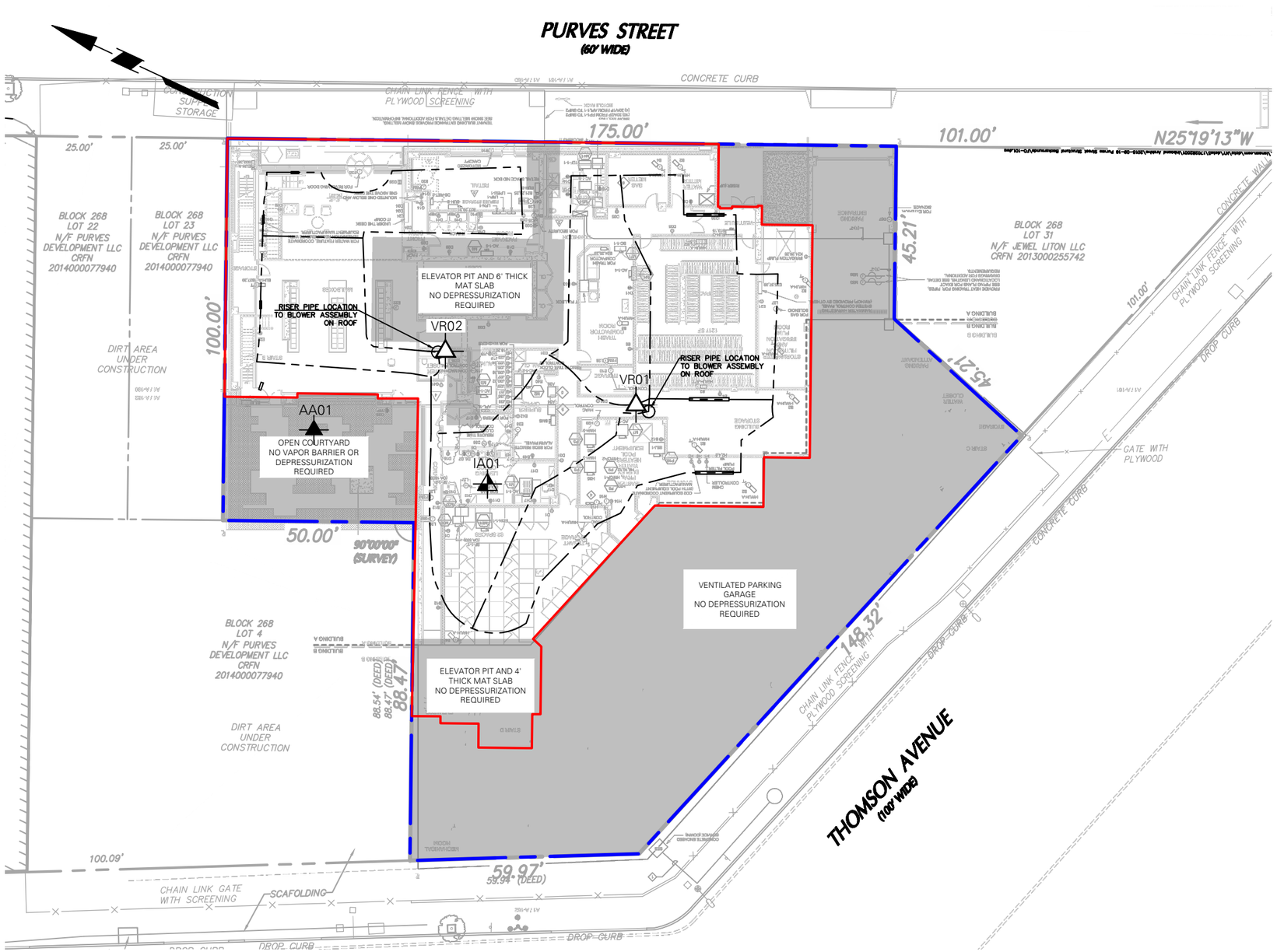
Figure Title
COMPOSITE COVER SYSTEM PLAN

Project No.	170282501
Date	04/27/2020
Drawn By	EMS
Checked By	VDP

Figure No. 3
Sheet 3 of 4

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Filename: \\langan.com\data\NY\data5\170282501\Cadd Data - 170282501\SheetFiles\Environmental\Annual Certifaction PRR\Figure 3 - Composite Cover System Plan.dwg Date: 10/12/2022 Time: 13:37 User: bkoontz Style Table: Langan.stb Layout: ANSIB-BL



GENERAL NOTES:

1. BASE MAPS TAKEN FROM FXFOWLE, "1ST FLOOR ELECTRICAL POWER PLAN - BUILDING A," DATED JUNE 6, 2017 AND MAY 21, 2015 SURVEY BY LANGAN.
2. VAPOR BARRIER EXTENDS BELOW THE FOOTPRINT AND ALONG THE VERTICAL WALLS OF DEPRESSED FOUNDATION MAT AND SLABS, AS NOTED IN THE DRAWING. VAPOR BARRIER INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
3. VAPOR COLLECTION PIPE RUNS ARE APPROXIMATE. PIPE LOCATIONS ARE SHOWN IN AS-BUILT DRAWING.
4. RISER PIPE STUB LOCATION IS APPROXIMATE. RISER PIPE RUNS AND ROOF-TOP BLOWER AND EXHAUST POINT LOCATIONS ARE SHOWN IN AS-BUILT DRAWINGS.
5. THE DEEP ELEVATOR PIT AND SHEAR WALL PILE CAP ARE NOT DEPRESSURIZED BECAUSE IT IS A 6-FOOT THICK CONCRETE MAT AND WATERPROOFED IN ACCORDANCE WITH THE FOUNDATION DRAWINGS AND SPECIFICATIONS.
6. THE WATERPROOFING BENEATH THE SHEAR WALL PILE CAP, DEEP ELEVATOR PIT, AND ANY OTHER WATERPROOFED FOUNDATION ELEMENT, ARE MARRIED TO THE VAPOR BARRIER MEMBRANE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
7. SLEEVES THROUGH GRADE BEAMS WERE DESIGNED BY OTHERS.

LEGEND:

- PROPERTY BOUNDARY
- VAPOR BARRIER EXTENTS
- SMD VAPOR COLLECTION PIPING
- SLEEVE THROUGH GRADE BEAM FOR VAPOR COLLECTION PIPE
- APPROXIMATE RISER PIPE LOCATION
- IA01 — INDOOR AIR SAMPLE LOCATION
- AA01 — OUTDOOR AMBIENT AIR SAMPLE LOCATION
- VR01 — SOIL VAPOR SAMPLE LOCATION

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SCALE IN FEET

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Project	44-30 PURVES STREET BLOCK No. 268, LOT No. 1 QUEENS NEW YORK
Figure Title	SAMPLE LOCATION MAP
Project No.	170282501
Date	11/21/2025
Drawn By	BK
Checked By	PM
Figure No.	4
Sheet	4 of 4

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Filename: \\langan.com\data\NY\data5\170282501\Cadd Data - 170282501\SheetFiles\Environmental\Corrective Measures Report\Figure 3 - Proposed Indoor Air Sample Location.dwg Date: 10/10/2022 Time: 11:17 User: acaelwaerts Style Table: Langan.stb Layout: ANSIB-BL

TABLES

Table 1
2024-2025 Periodic Review Report
Indoor Air and Ambient Air Sample Results

44-30 Purves Street
Long Island City, New York
NYSDEC BCP Site No.: C241162
Langan Project No.: 170282501

Analyte	CAS Number	NYSDOH AGVs	Location	AA01	IA01
			Sample Name	AA01_103025	IA01_103025
			Sample Date	10/30/2025	10/30/2025
			Sample Type	AA	IA
			Unit	Result	Result
Volatile Organic Compounds					
Tetrachloroethene (PCE)	127-18-4	30	µg/m^3	<0.351 U	0.373
Trichloroethene (TCE)	79-01-6	2	µg/m^3	<0.278 U	<0.107 U

Notes:
AA - Ambient Air
IA - Indoor Air
CAS - Chemical Abstract Service
µg/m^3 - microgram per cubic meter
Indoor air sample analytical results are compared to the New York State Department of Health (NYSDOH) Air Guideline Values (AGVs) as set forth in the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York and subsequent updates (through 2017).
Ambient air sample analytical results are shown for reference only.

Qualifiers:
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Exceedance Summary:
10 - Result exceeds NYSDOH AGVs

Table 2
2024-2025 Periodic Review Report
IA/AA/SV Sample Results

44-30 Purves Street
Long Island City, New York
NYSDEC BCP Site No.: C241162
Langan Project No.: 170282501

Analyte	CAS Number	NYSDOH AGVs	Location	AA01	AA01	IA01	IA01	VR01	VR02
			Sample Name	AA01_103025	AA01_030426	IA01_103025	IA01_030426	VR01_030426	VR02_030426
			Sample Date	10/30/2025	3/4/2026	10/30/2025	3/4/2026	3/4/2026	3/4/2026
			Sample Type	AA	AA	IA	IA	SV	SV
			Unit	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds									
Tetrachloroethene (PCE)	127-18-4	30	µg/m^3	<0.351 U	<1.36 U	0.373	<1.36 U	<2.71 U	<1.36 U
Trichloroethene (TCE)	79-01-6	2	µg/m^3	<0.278 U	<1.07 U	<0.107 U	<1.07 U	<2.15 U	<1.07 U

Notes:
AA - Ambient Air
IA - Indoor Air
SV - Soil Vapor
CAS - Chemical Abstract Service
µg/m^3 - microgram per cubic meter

Indoor air sample analytical results are compared to the New York State Department of Health (NYSDOH) Air Guideline Values (AGVs) as set forth in the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York and subsequent updates (through to 2017).

Ambient air sample analytical results are shown for reference only.

Qualifiers:
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Exceedance Summary:
10 - Result exceeds NYSDOH AGVs

APPENDIX A

CORRECTIVE MEASURES WORK PLAN

February 6, 2026

Ms. Haala Al-Hadithy
Assistant Engineer, Division of Environmental Remediation
New York State Department of Environmental Conservation
47-40 21st Street
Long Island City, NY 11101

Re: Corrective Measures Work Plan
44-30 Purves Street
Long Island City, NY 11101
NYSDEC BCP Site No. C241162
Langan Project No.: 170282501

Dear Ms. Al-Hadithy,

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) prepared this Corrective Measures Work Plan (CMWP) on behalf of Purves Street Owners, LLC (the Volunteer) for the property located at 44-30 Purves Street, Long Island City, New York (the site). This CMWP was prepared in accordance with the procedures set forth in the New York State Department of Environmental Conservation (NYSDEC)-approved October 21, 2015 Site Management Plan (SMP), prepared by Langan. This CMWP was prepared to document deficiencies with the sub-membrane depressurization (SMD) system and troubleshooting conducted to date, and propose a plan and schedule for corrective actions.

SITE BACKGROUND

The site is located at 44-30 Purves Street in the Long Island City neighborhood of Queens, New York and is identified as Block 268, Lot 1 on the New York City Tax Map. The irregularly-shaped, 0.62-acre site is bound by Purves Street to the east, a 10-story residential building to the southeast (Lot 31), Thomson Avenue to the southwest, 44th Drive to the west, and a 27-story residential building to the north (Lot 4). A site location map is included as Figure 1.

The site is improved with a 35-story residential building with frontage along Purves Street, a two-story building with residences, residential amenity space and retail along Thomson Avenue and 44th Drive, and an open, partially-paved and partially-landscaped courtyard. A ventilated parking garage spans an area of about 11,000 square feet in the lowest level of the building along Thomson Avenue and 44th Drive.

DRAFT

The site is within a historically industrial area of Long Island City, Queens and was used for manufacturing purposes as early as the 1940s, including a chemical laboratory, automobile repair, private garage, controller and fine chemicals manufacturing, and welding and repair services. Several environmental investigations and reports were completed between April 2006 and September 2014: April 2006 Phase I Environmental Site Assessment (ESA), November 2006 Phase II Environmental Site Investigation (ESI), December 2011 Phase I ESA, and September 2014 Remedial Investigation Report (RIR). Previous investigations documented the presence of tetrachloroethene (PCE) and trichloroethene (TCE) in groundwater and soil vapor at the site. On-site PCE and TCE impacts to soil vapor and groundwater were attributed to an off-site source.

A Track 4 remediation was implemented in accordance with the NYSDEC-approved September 7, 2014 Remedial Action Work Plan (RAWP) between March 16 and October 30, 2015. A detailed account of the remedy is provided in the November 2015 Final Engineering Report (FER). The following controls have been implemented at the site:

Engineering Controls (ECs)

- Composite cover system, consisting of: (1) 10-inch-thick reinforced concrete building slabs above a vapor barrier/waterproofing membrane, (2) concrete pavement, and (3) two feet of clean stone above a demarcation barrier covered with topsoil to support vegetative growth in landscaped areas
- Installation and operation of an SMD system, under portions of the site building that are not used as a mechanically-ventilated parking garage, to mitigate potential volatile organic compound (VOC) vapor intrusion into the building - The SMD system consists of two connected sub-slap loops of perforated piping connected to two roof-mounted blowers.

Institutional Controls (ICs)

- Execution of an Environmental Easement
- Implement, maintain and monitor the ECs
- Prevent exposure to residual soil contaminants by controlling any disturbance below the composite cover through an SMP
- Limit the use and development of the site to restricted-residential, commercial and industrial uses only

Except for installation of the above-slab portions of the SMD system, remedial activities were completed as of October 30, 2015. Above-slab portions of the SMD system were completed during the balance of building construction. System startup was completed in March 2018.

DRAFT

ENGINEERING CONTROL DEFICIENCY

On August 27, 2025, Langan was informed of an active alarm on the building management system (BMS) corresponding to one of the two SMD system blowers. An inspection was performed on August 28, 2025. During the inspection, the Airtech 3BA1400 blower was observed to not be operating. The blower did not appear to have power, and could not be activated. Following additional troubleshooting by the building maintenance team, and in coordination with the blower manufacturer, it was determined that the motor was damaged and a replacement unit was required. The blower was removed from the site on October 2, 2025, and a vendor was retained to provide a replacement.

Subsequent site visits were conducted in October 2025 to evaluate indoor air quality:

- On October 17, 2025, indoor air was screened for VOCs with a ppbRAE and the alarm system was investigated – no readings above background were detected.
- On October 30, 2025, an indoor air sampling event was performed consisting of one indoor air sample, one ambient air sample, and completion of a New York State Department of Health (NYSDOH) questionnaire and a chemical inventory. Sample results did not exceed the NYSDOH Air Guidance Values.

DRAFT

PROPOSED CORRECTIVE MEASURES

The following corrective measures are proposed to satisfy the requirements listed in the October 23, 2025 and January 7, 2026 Corrective Measures Work Plan Required NYSDEC letters.

Blower Replacement and Contingency Plan

A replacement 3BA1400 blower was delivered to the site on January 16, 2026, installed on January 30, 2026, and began operating on February 2, 2026. We understand that the expected lifespan for these blowers under normal operating conditions is 10 years. The existing 3BA1300 blower has been operating for approximately 7 years.

A contingency plan for replacement of both blowers has been established. Replacement units and replacement lead times are being coordinated with two different vendors. Specification sheets for the proposed replacement units and confirmation of the anticipated replacement schedule will be attached to the periodic review report (PRR).

Alarm Description and Monitoring

A standalone Bloom™ remote telemetry system will be installed. The system uses a web-based cellular network and wireless transmitters to monitor mechanical components of the SMD system blowers. The system monitors pump run status via current switch and vacuum status via differential pressure switch. If electrical current or vacuum falls below the designated set point, an alert will be sent to designated text and email contacts. The building superintendent and Langan Project Manager will be added as text and email contacts for alerts.

System operation can also be monitored in real-time via cloud-based platform on cell phone or desktop.

Product specifications are included in Attachment 1. Following installation, a comprehensive description of the alarm system including monitoring locations and connection routes will be included in the PRR. Photos of each system component will be included in a photograph log, attached to the PRR.

Revised SMD System Drawings

Revised PE-certified as-built SMD System drawings including a layout of the SMD system from slab to roof, blowers, gauges, elevation of the blowers, and a process system diagram are provided in Attachment 2. Following installation, a PE-certified as-built drawing showing alarm locations will be included in the PRR.

Indoor Air Sampling

An indoor air sampling event was conducted on October 30, 2025 to document indoor air quality inside the building leasing office on the ground floor. An outdoor ambient air sample was also collected for quality assurance/quality control (QA/QC).

DRAFT

A second indoor air sampling event will be performed during the 2025-2026 heating season. Sample locations are shown on Figure 2.

Although not required in the CMWP letter and in addition to the indoor air and ambient air samples, one effluent air sample will also be collected from each of the two SMD system risers on the ground floor to document submembrane soil vapor contamination.

The samples will be collected into laboratory-supplied, batch-certified, Summa® canisters over an 8-hour sampling period. The samples will be labeled and transported via courier under a chain-of-custody to a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory. The samples will be analyzed for VOCs via United States Environmental Protection Agency (USEPA) Method TO-15. An NYSDOH Indoor Air Quality Questionnaire and Building Inventory will be completed during the sampling events.

Laboratory reports, tabulated summaries, and a discussion of sample results will be provided in the PRR.

DRAFT

CERTIFICATIONS

I, Jason Hayes, certify that I am currently a New York State (NYS) registered professional engineer and that this Corrective Measures Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

I certify that all information and statements in this certification 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.

DRAFT

NYS Professional Engineer #	Date	Signature

It is a violation of Article 145 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 145, New York State Education Law.

DRAFT

SCHEDULE AND REPORTING

Access to the property will be coordinated with the Volunteer, and a mobilization to implement the corrective measures will be scheduled. Documentation of the corrective measures will be provided in the PRR.

Sincerely,
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

DRAFT

Jason Hayes, P.E.
Senior Principal

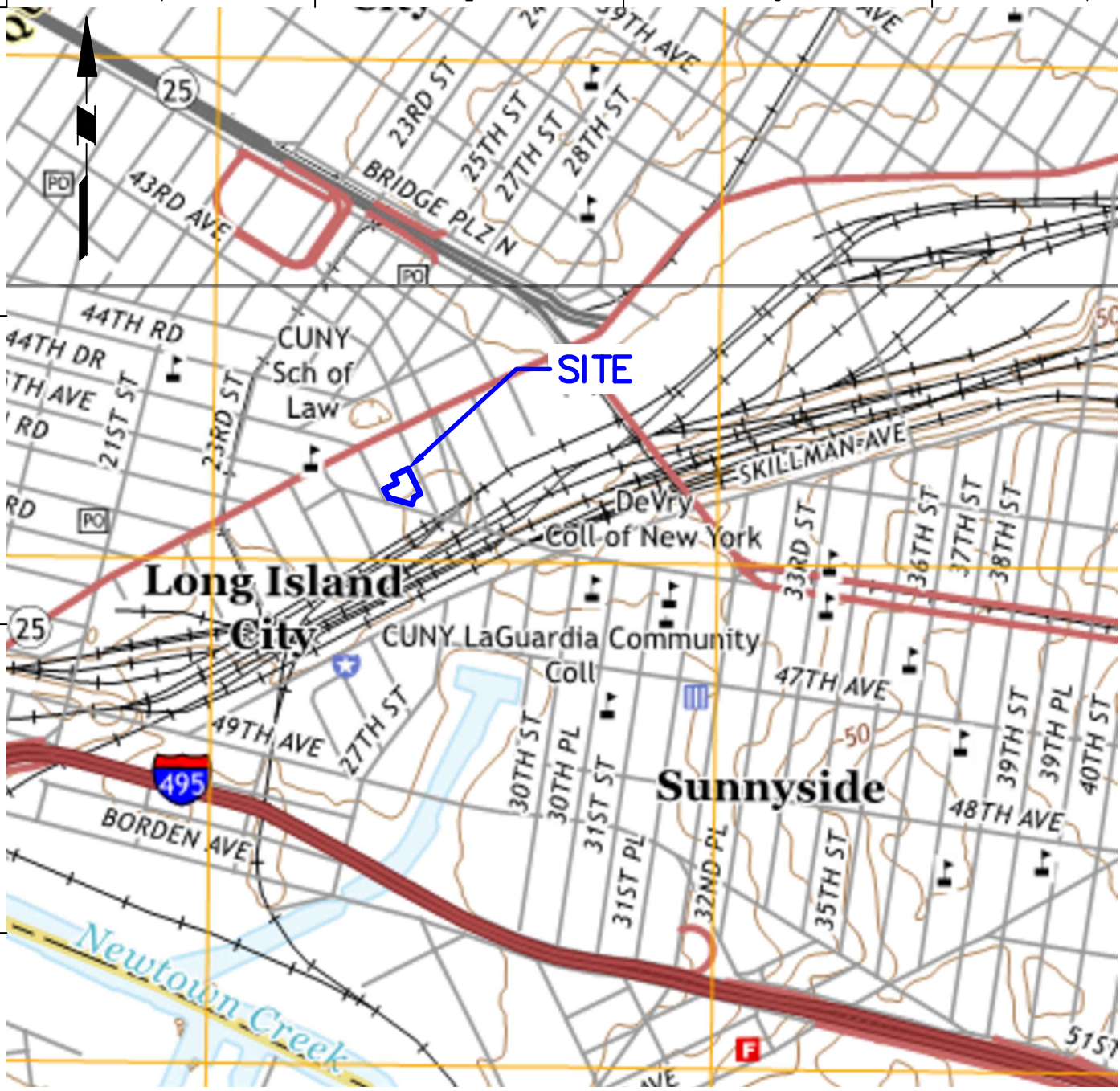
DRAFT

Paul McMahon, P.E.
Associate Principal

Enclosure(s): Figure 1 – Site Location Map
Figure 2 – Proposed Sample Location

DRAFT

FIGURES



LEGEND:

SITE BOUNDARY

NOTES:

1. BASE MAP ADAPTED FROM UNITED STATES GEOLOGICAL SURVEY (USGS) 2016 7.5-MINUTE SERIES TOPOGRAPHIC MAP, CENTRAL PARK, NY-NJ AND BROOKLYN, NY.

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SCALE: 1 INCH = 1000 FEET

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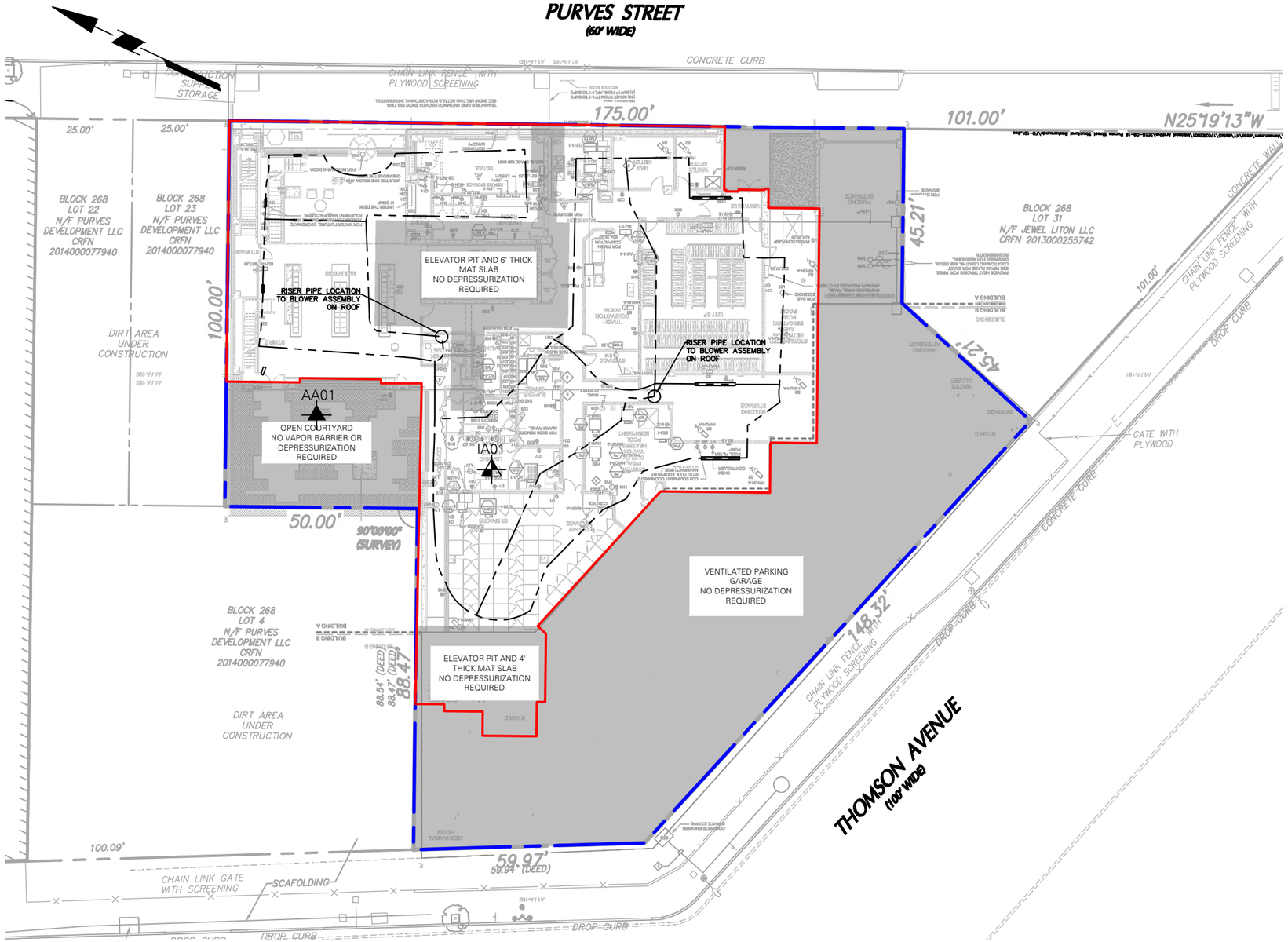
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New York, NY 10001

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Project	44-30 PURVES STREET BLOCK No. 268 LOT No. 1 QUEENS NEW YORK
Figure Title	SITE LOCATION MAP
Project No.	170282501
Date	04/27/2020
Drawn By	EMS
Checked By	VDP
Figure No.	1
Sheet	1 of 2

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Filename: \\langan.com\data\NYC\data5\170282501\Cadd Data - 170282501\SheetFiles\Environmental\Corrective Measures Report\Figure 1 - Site Location Map.dwg Date: 7/1/2022 Time: 16:38 User: bkoontz Style Table: Langan.stb Layout: ANSIA-BP



GENERAL NOTES:

1. BASE MAPS TAKEN FROM FXFOWLE, "1ST FLOOR ELECTRICAL POWER PLAN - BUILDING A," DATED JUNE 6, 2017 AND MAY 21, 2015 SURVEY BY LANGAN.
2. VAPOR BARRIER EXTENDS BELOW THE FOOTPRINT AND ALONG THE VERTICAL WALLS OF DEPRESSED FOUNDATION MAT AND SLABS, AS NOTED IN THE DRAWING. VAPOR BARRIER INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
3. VAPOR COLLECTION PIPE RUNS ARE APPROXIMATE. PIPE LOCATIONS ARE SHOWN IN AS-BUILT DRAWING.
4. RISER PIPE STUB LOCATION IS APPROXIMATE. RISER PIPE RUNS AND ROOF-TOP BLOWER AND EXHAUST POINT LOCATIONS ARE SHOWN IN AS-BUILT DRAWINGS.
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7. SLEEVES THROUGH GRADE BEAMS WERE DESIGNED BY OTHERS.

LEGEND:

- PROPERTY BOUNDARY
- VAPOR BARRIER EXTENTS
- SMD VAPOR COLLECTION PIPING
- SLEEVE THROUGH GRADE BEAM FOR VAPOR COLLECTION PIPE
- APPROXIMATE RISER PIPE LOCATION
- IA01 — PROPOSED INDOOR AIR SAMPLE LOCATION
- AA01 — PROPOSED OUTDOOR AMBIENT AIR SAMPLE LOCATION

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Project
44-30 PURVES STREET
BLOCK No. 268, LOT No. 1
QUEENS NEW YORK

Figure Title
PROPOSED SAMPLE LOCATION PLAN

Project No.	170282501
Date	11/21/2025
Drawn By	BK
Checked By	PM

Figure No. 2
Sheet 2 of 2

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Filename: \\langan.com\data\NY\data5\170282501\Cadd Data - 170282501\SheetFiles\Environmental\Corrective Measures Report\Figure 3 - Proposed Indoor Air Sample Location.dwg Date: 10/10/2022 Time: 11:17 User: acaelwaerts Style Table: Langan.stb Layout: ANSIB-BL

ATTACHMENT 1
REMOTE ALARM SPECIFICATION SHEETS

EMPOWERED BUILDINGS

Contact Sensor

CPL03



OVERVIEW:

The CPL03 series is a **Contact Sensor** for Internet of Things solution. It detects **dry contact status**, **open time**, **open counts**, and then uploads to an IoT server via LoRaWAN, NB-IoT or CAT-M1 network.

The CPL03 series sends data periodically every day as well as for each dry contact action. It also counts the contact open times and calculates last open durations. Users can also disable the uplink for each open/close event, or device can count each open event and uplink periodically.

It supports open alarm features where users can set alarms for instant notifications. The sensor supports a Datalog feature, it can save the data when there is no network and uplink when network recover.

The Dragino CPL03 series is designed for outdoor use. It has a weatherproof enclosure and industrial level battery to work in low to high temperatures.

It supports BLE configure and wireless OTA update which make user easy to use.

The Dragino CPL03 series is powered by 8500mAh Li-SOCI2 battery or solar panel with Li-ion battery, it is designed for long-term use up to several years.

Applications:



Gas Meter



Water Meter

Specifications:

- Ingress Protection (Enclosure): IP67 rated for outdoor use
- Dimensions: 195 x 125 xx 55 mm
- Weight: 420 g (with battery)
- Firmware Maintenance: Supports wireless OTA firmware updates
- Alarm Trigger Logic: Configurable open-duration alarm (alarm sent if contact remains open longer than a user-defined time)
- Datalog Capacity: Stores contact events locally when network is unavailable and uploads after reconnection

877.562.2597
info@empoweredbuildings.com
empoweredbuildings.com

EMPOWERED BUILDINGS

Model Variants

Variants	CPL03-LB	CPL03-LS	CPL03-NB	CPL03-NS	CPL03-CB	CPL03-CS
Connectivity	LoRaWAN	LoRaWAN	NB-IoT	NB-IoT	NB-IoT, LTE-M, GNSS	NB-IoT, LTE-M, GNSS
Configure Method	TTL, BLE, LoRaWAN	TTL, BLE, LoRaWAN	TTL, BLE, NB-IoT	TTL, BLE, NB-IoT	TTL, BLE, NB-IoT, LTE-M	TTL, BLE, NB-IoT, LTE-M
Upgrade Method	TTL, BLE, LoRa	TTL, BLE, LoRa	TTL, BLE	TTL, BLE	TTL, BLE	TTL, BLE
Features	**Sensor /Probe:** * Open/Close detect * Open/Close statistics * IP protection level: IP67 * Support Datalog Feature, Open Alarm Feature **General Features:** * Ultra-low power consumption * Support Bluetooth v5.1 remote configure and OTA update firmware * Uplink on periodically * GNSS for Location Report (for -CB & -CS models only) * Downlink to change configure					
Battery & Power	* 8500 mAh Li/SOCI2 Battery	* Solar + 3000 mAh Li-ion Battery	* 8500 mAh Li/SOCI2 Battery	* Solar + 3000 mAh Li-ion Battery	* 8500 mAh Li/SOCI2 Battery	* Solar + 3000 mAh Li-ion Battery
Power Consumption	* Sleep Mode: 5uA @ 3.3v * LoRa Transmit Mode: 125mA @ 20dBm, 82mA @ 14dBm	* Sleep mode: 74uA@3.8V * LoRa Transmit Mode: 206mA@14dBm, 236mA@20dBm	* Sleep mode: 14uA@3.3V * Max Transmit power: 350mA@3.3V	* Sleep mode: 74uA@3.4V * Max Transmit power: 350mA@3.4V	* Sleep mode: 14uA@3.3V * Max Transmit power: 350mA@3.3V	* Sleep mode: 74uA@3.4V * Max Transmit power: 350mA@3.4V
Supply Voltage	2.5v ~ 3.6v	3.7v ~ 4.2v	2.5v ~ 3.6v	3.7v ~ 4.2v	2.6v ~ 3.6v	3.7v ~ 4.2v
Operating Temperature	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C

Battery & Enclosure Options:



Li-SOCI2 Battery & Enclosure:

- Li/SOCI2 un-chargeable battery Capacity: 8500mAh
- Self-Discharge: <1% /Year @
- 25°C Max continuously current:
- 130mA Max boost current: 2A, 1 second



Solar Version & Enclosure:

- 3000mAh Re-chargeable battery
- 0.9W on board solar pannel Suitable to used in the place where sun is sufficient



- Support location feature by: GPS/ GLONASS/BDS/Galileo / QZSS

Wireless Option:

LoRaWAN®

- LoRaWAN 1.0.3 Class A
- Bands: CN470/EU433/KR920/US915/ EU868/AS923/AU915/IN865
- OTAA or ABP Mode.
- World Wide Unique LoRaWAN
- Key RX sensitivity: down to -139 dBm. Max +22 dBm - 100 mW RF output

NB-IoT

- **CAT NB2 Bands:**
- For -NB & -NS: B1/B2/B3/B4/B5/B8/B12/B13/ B17/B18/B19/B20/B25/B28/B66/B70/B 85
- For -CB & -CS: B1/B2/B3/B4/B5/B8/B12/B13/ /B18/B19/B20/B25/B28/B66/B71/B85

Uplink via MQTT, MQTTs, TCP, UDP or CoAP Multiply Sampling and one uplink

LTE-M

- CAT-M1 /LTE-M Bands: B1/B2/B3/B4/B5/ B8/B12/B13/B18/B19/B20/B25/B26/B2 7/ B28/B66/B85
- Uplink via MQTT, MQTTs, TCP, UDP or CoAP Multiply Sampling and one uplink

877.562.2597
info@empoweredbuildings.com
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EMPOWERED BUILDINGS

LoRaWAN Gateway

LPS8N



OVERVIEW:

The LPS8N is an open-source LoRaWAN Indoor Gateway that bridges a LoRa wireless network to an IP network via WiFi, Ethernet, 3G, or 4G cellular networks. LoRa wireless technology enables users to send data over extremely long ranges at low data rates.

The LPS8N utilizes the Semtech packet forwarder and LoRaWAN Basic Station, making it fully compatible with the LoRaWAN protocol. It features the SX1302 LoRa concentrator, which supports 10 programmable parallel demodulation paths.

The LPS8N comes with pre-configured standard LoRaWAN frequency bands for various countries. Users also have the option to customize the frequency bands to fit their specific LoRa network requirements.

The LPS8N can communicate with ABP LoRaWAN end nodes without the need for a LoRaWAN server. System integrators can easily integrate it with their existing IoT services without setting up their own LoRaWAN server or relying on third-party LoRaWAN services.

Features:

- LoRaWAN Gateway
- Support different level log in
- Open Source OpenWrt system
- Support LoRaWAN basic station
- Emulates 49x LoRa demodulators
- Support Semtech Packet Forwarder
- Optional 3G/4G cellular connection
- Managed by Web GUI, SSH via WAN or WiFi
- Remote access with Reverse-SSH or remote.it
- 10 programmable parallel demodulation paths
- Allow to customize LoRaWAN regional parameters.
- Pre-configure to support different LoRaWAN regional settings.
- Support Local decode ABP end node info and transfer to MQTT server

Applications:

- Smart Metering
- Smart Agriculture
- Smart Cities
- Smart Factory
- Smart Buildings
- Home Automation
- Logistics
- Supply Chain Management

Specifications:

LoRa Interfaces:

1 x SX1302 + 2 x SX1250 LoRa Transceiver Max Output Power: 27dBm
Sensitivity: -140dBm

General Interfaces:

10M/100M RJ45 Ports x 1
1 x 2.4G WiFi (802.11 bgn)
1 x USB host port
1 x USB Type C port for power Power Input: 5v, 2A
Optional 4G version

877.562.2597
info@empoweredbuildings.com
empoweredbuildings.com

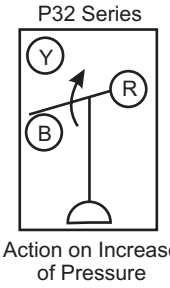
Code No. LIT-1927195
Issued February 1, 2009

P32 Series

Sensitive Pressure Switch

Description

This differential pressure switch is used to sense pressure/air flow in ducts.



P28 Action Diagram

Features

- easy-to-read setpoint scale
- versatile mounting options

Applications

- pressure/air flow proving with electric duct heaters, humidifiers, and other equipment
- maximum pressure/air flow control for variable volume systems
- reheat duct powered systems
- clogged filter detection
- detection of icing of air conditioning coils and initiation of defrost cycle
- sensitive pressure settings
- dust-tight snap switch



P32

Selection Chart

Code Number	Ambient Temperature Min./Max.	Connector	Maximum Over-pressure psig (kPa) [1]	Contact Action	Range in. WC (kPa)	Sensitivity at Min. Set point in. WC (kPa)	Setpoint	Scale Plate	Mounting Bracket (Included)
P32AC-1C	-40°F (-40°C) min. 167°F (75°C) max.	High Pressure connectors are metal 1/8 in. female NPT inside, 1/2 in. NPSM outside for mounting Low Pressure connectors are molded, 1/8 in. female NPT	1 (6.895)	SPDT	0.15 to 12 (0.037 to 2.99)	0.07 (0.017)	Adjustable	Yes	L BKT182-1R bracket2.eps
P32AC-2C[2]					0.05 to 5 (0.012 to 1.24)	0.04 (0.01)			U BKT229-1R bracket1.eps
P32AF-1C						0.025 (0.006)			L BKT182-1R bracket2.eps
P32AF-2C[2]									U BKT229-1R bracket1.eps

1. Maximum overpressure at either connection
2. Supplied with 1/4 in. compression fitting, 4 in. extension tube, two mounting screws, and “O” gasket (angle barbed fitting installed)

Accessories

The switch can be mounted directly or with the supplied mounting bracket.

Code Number	Description
FTG18A-600R	Remote Mounting Kit: 4 in. flanged sensing tube, two barbed fittings, two No. 10 screws, and a gasket

Technical Specifications

Electrical Ratings

Motor Ratings VAC	120	208	240
Type P32AC (Standard Differential, 1/2 hp)			
AC Full Load A	9.8	5.65	4.9
AC Locked Rotor A	58.8	33.9	29.4
Non-Inductive or Resistive Load	15 amp 24 to 277 VAC		
Pilot Duty – 125 VA, 24 VAC; 360 VA, 120 to 277 VAC			
Type P32AF (Close Differential, 1/4 hp)			
AC Full Load A	5.8	3.3	2.9
AC Locked Rotor A	34.8	19.8	17.4
Non-Inductive or Resistive Load	10 amp, 24 to 277 VAC		
Pilot Duty – 125 VA, 24 VAC; 360 VA, 120 to 277 VAC			

The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products. © 2009 Johnson Controls, Inc.



MINI ADJUSTABLE SWITCHES

MCS-A & MSCS-A Series

The Miniature Adjustable Current switches are designed for use in any AC current monitoring application in which you are looking for an adjustable current switch to monitor normal operating conditions, equipment failure or preventative maintenance scheduling for a particular piece of equipment. The adjustable current switches should be installed on the line side of the power to the motor, pump, compressor or other equipment. The miniature adjustable current switches are available in both solid and split-core versions in a smaller enclosure style than that of the A/ACS2 and A/ASCS2 Series adjustable current switches. The solid-core versions are a great choice for new installations or OEM applications in which cost sensitivity, lower trip points and environmental issues may be of concern. The split-core version of the current switches work great in retrofit applications and for use in service vehicles since one part will work in most applications and can be installed without disconnecting any wires. The adjustable current status switches can also be used to determine the run time of your equipment where you want to know when your piece of equipment runs and for how long it runs when logging the contact closures on your building management system or PLC.

Applications: Overload Conditions, Under Load Conditions, Normal Load Conditions, Broken Belts, Belt Slippage, Locked Rotors, Electrical Failure, Load Status, Local Alarms such as Strobes/Audible Alarms, Pumps, Fans, Compressors, Lighting Status and Usage Information, Ovens, Process Control, Industrial Equipment, Equipment Maintenance, OEM

The Miniature Adjustable Current Switches are covered by ACI's Five (5) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, www.workaci.com.

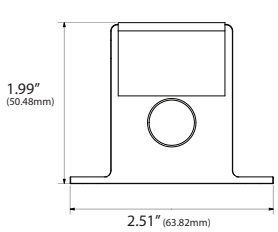
PRODUCT SPECIFICATIONS

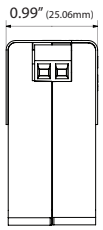
Monitored Current Type:	AC Current
Maximum AC Voltage:	600 VAC
Operating Frequency Range:	50/60 Hz
Core Style:	Solid-Core and Split-Core Versions available (See Ordering Grid)
Sensor Power:	Induced from the Monitored Conductor (Insulated Conductors only)
Amperage Range:	See Ordering Grid
Isolation Voltage:	2200 VAC
Trip Point Style | Adjustable Trip Point Range:	Adjustable Trip Point | See Ordering Grid
Hysteresis:	10% Trip Point, typical
Contact Type:	Normally-Open "N/O"
Contact Rating:	1A Continuous @ 36 VAC/VDC
Contact "On" Resistance | "Off" Resistance:	< 0.5 Ohms (tripped) | > 1 Meg Ohms (Open)
Response Time:	**A/MCS-A:** < 90 mS, typical | **A/MSCS-A:** < 45 mS typical
Status LED Indication [1]:	Red LED (Current above trip point) | Blue LED (Current below trip point)
Aperture Size (Diameter):	0.53" (13.46 mm)
Operating Temperature Range:	-22 to 140ºF (-30 to 60ºC)
Operating Humidity Range:	0 to 95%, non-condensing
Recommended Storage Temperature | RH Range:	41 to 95°F (5 to 35°C) | 40% to 85% RH, non-condensing
Enclosure Material | Flammability Rating:	PC/ABS (Polycarbonate/ABS Blend) | UL94-V0
Wiring Connections:	2 Position Screw Terminal Block (Not Polarity Sensitive)
Wire Size:	16 to 22 AWG (1.31 mm² to 0.33 mm²) Copper Wires only
Terminal Block Torque Rating:	4.43 to 5.31 in-lbs. (0.5 to 0.6 Nm)
Minimum Mounting Distance:	1" (2.6 cm) between current switch (Relays, Contactors, Transformers)
Agency Approvals [2]:	UL/CUL US Listed (UL 916) Energy Management Equipment (File # E334792), CE, RoHS2, WEEE
Product Weight:	**A/MCS-A:** 0.15 lbs. (0.068 kg) | **A/MSCS-A:** 0.20 lbs. (0.091 kg)
Product Dimensions (L x W x H):	**A/MCS-A (Solid-Core):** 2.510" (63.82 mm) x 0.940" (23.94 mm) x 2.000" (50.80 mm) **A/MSCS-A (Split-Core):** 2.650" (67.19 mm) x 0.940" (23.94 mm) x 2.380" (60.49 mm)

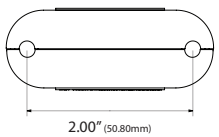
Note[1]: The LED should not be used to determine if current is present. At low currents the LED may not be visible | **Note[2]:** Maximum wire length not to exceed 98.4 Feet (30 meters) in order to meet the CE Requirements

DIMENSIONAL DRAWING

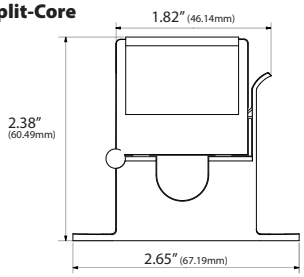
Solid-Core

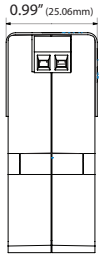


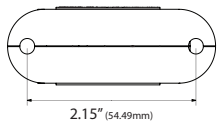




Split-Core







Front View | **Right View** | **Bottom View**

STANDARD ORDERING

Model # Example: A/MCS-A -OR- 117854

Model #	Item #	Trip Point Type	N/O	Solid-Core	Split-Core	Amp Range	Trip Point	Contact Rating
A/MCS-A	117854	Adjustable	•	•		0.32 to 150A	0.32 to 150A	1A @ 36 VAC/VDC
A/MSCS-A	117855	Adjustable	•		•	0.70 to 150A	0.70 to 150A	1A @ 36 VAC/VDC

Note: The Miniature Adjustable Current Switches are not intended to be used in Life / Safety Applications or in Hazardous / Classified Locations

NON-METALLIC BOXES

PS SERIES

DESCRIPTION

The versatile **Altech PS Series non-metallic boxes** are constructed only of flame-resistant materials. Rated for protection mode IP66 (similar to Nema 4X), these boxes give complete protection from dust, water jets, and even temporary flooding. Standard boxes from Kele have knockout side walls, gray bases, and gray covers. Optional fitting plates are available for easy mounting of control components inside the **PS Series**.

Altech Corp.®



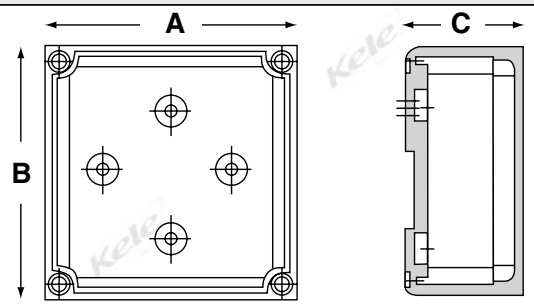
PS1313-7



PS1313-7-T

RoHS

DIMENSIONS



SPECIFICATIONS

Materials of Construction	
Base/Cover/Plate	Polystyrene, impact-resistant, non-flammable Seal Polyurethane
Color	
Box & Cover	Light gray
-T Option	Smoke tinted
Flammability Rating	UL94 V2, 1760°F (960°C)
Temperature Rating	-40° to 158°F (-40° to 70°C)
Knockouts	1/2" NPT (2.3 cm), 3/4" NPT (2.9 cm)

ORDERING INFORMATION

BOX MODEL*	DIMENSIONS A x B x C in (cm)	PANEL PLATE MODEL	DIMENSIONS H x W in (cm)
PS1111-7	4.33 x 4.33 x 2.60 (11.0 x 11.0 x 6.6)	**TK1111**	3.54 x 3.54 (9.0 x 9.0)
PS1111-9	4.33 x 4.33 x 3.54 (11.0 x 11.0 x 9.0)	**TK1111**	3.54 x 3.54 (9.0 x 9.0)
PS1313-7	5.11 x 5.11 x 2.95 (13.0 x 13.0 x 7.5)	**TK1313**	4.33 x 4.33 (11.0 x 11.0)
PS1811-9	7.09 x 4.33 x 3.54 (18.0 x 11.0 x 9.0)	**TK1811**	5.91 x 3.54 (15.0 x 9.0)
PS1818-9	7.09 x 7.09 x 3.54 (18.0 x 18.0 x 9.0)	**TK1818**	5.91 x 5.91 (15.0 x 15.0)
PS2518-9	10.0 x 7.09 x 3.54 (25.4 x 18.0 x 9.0)	**TK2518**	8.66 x 5.91 (22.0 x 15.0)

* Add T to the end of model number for smoke-tinted transparent cover.
Fitting plates are plastic laminate 0.10" (0.25 cm) thick with screws furnished.
Call Kele for other box sizes and options.

PLASTIC ENCLOSURES

14121-000

DESCRIPTION

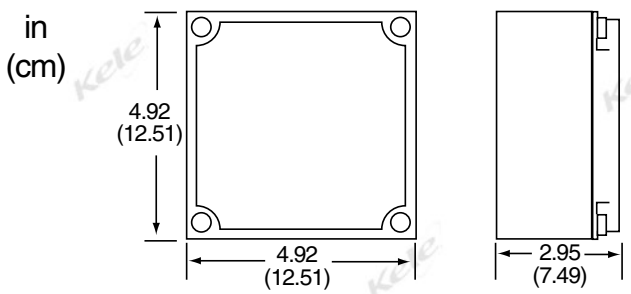
Model 14121-000 enclosures are constructed of impact-resistant polycarbonate and feature a transparent, gasketed cover that keeps out dust and water.



14121-000

RoHS

DIMENSIONS



ORDERING INFORMATION

MODEL	DESCRIPTION
14121-000	Polycarbonate enclosure with transparent cover, 0.53 lb (0.24 kg)

RIB Building Automation

Functional Devices, Inc.
101 Commerce Drive
Sharpsville, IN 46068

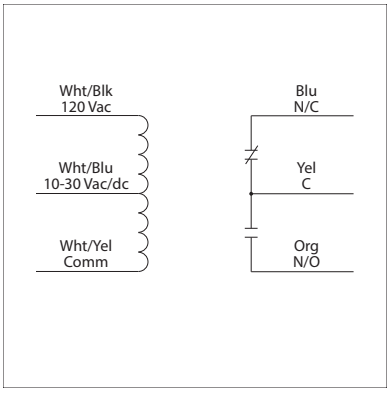
Confidence & Peace of Mind in Every Box™
www.functionaldevices.com
sales@functionaldevices.com

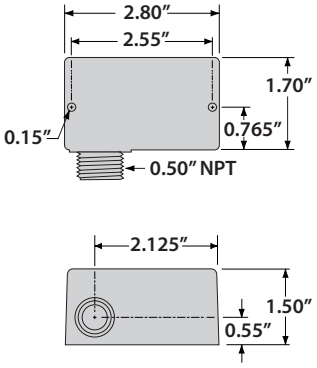
Office: (765) 883-5538
Fax: (765) 883-7505
Toll Free: (800) 888-5538

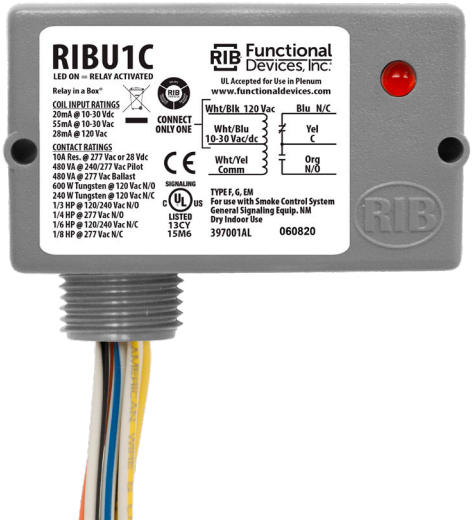
10 AMP PILOT CONTROL RELAY

RIBU1C

Pilot Relay, 10 Amp SPDT, 10-30 Vac/dc/ 120 Vac Coil, NEMA 1 Housing









RIBU1C-N4



RIBU1C-RD

SPECIFICATIONS

 # Relays & Contact Type: One (1) SPDT Continuous Duty Coil
Expected Relay Life: 10 million cycles minimum mechanical
Operating Temperature: -30 to 140° F
Humidity Range: 5 to 95% (noncondensing)
Operate Time: 20ms
Relay Status: LED On = Activated
Dimensions: 1.70"H x 2.80"W x 1.50"D with 0.50" NPT hub
Origin: Made of US and non-US parts
Wires: 16˝, 600V Rated
Approvals: UL Listed, C-UL, CE, RoHS (All models)
UL916 (RIBU1C)
UL864, California State Fire Marshal (RIBU1C-RD)
UL508 (RIBU1C-N4)
Housing Rating: UL Accepted for Use in Plenum, NEMA 1
Gold Flash: Yes
Override Switch: No

Coil Current:
33 mA @ 10 Vac
35 mA @ 12 Vac
46 mA @ 24 Vac
55 mA @ 30 Vac
28 mA @ 120 Vac
13 mA @ 10 Vdc
15 mA @ 12 Vdc
18 mA @ 24 Vdc
20 mA @ 30 Vdc

Note:
Order packs by adding "-10PACK", "-25PACK", or "-100PACK" to end of model number.

Coil Voltage Input:
10-30 Vac/dc ; 120 Vac ; 50-60 Hz
Drop Out = 2.1 Vac / 2.8 Vdc
Pull In = 9 Vac / 10 Vdc

Contact Ratings:
10 Amp Resistive @ 277 Vac
10 Amp Resistive @ 28 Vdc
480 VA Pilot Duty @ 240-277 Vac
480 VA Ballast @ 277 Vac
Not rated for Electronic Ballast
600 Watt Tungsten @ 120 Vac (N/O)
240 Watt Tungsten @ 120 Vac (N/C)
1/3 HP @ 120-240 Vac (N/O)
1/6 HP @ 120-240 Vac (N/C)
1/4 HP @ 277 Vac (N/O)
1/8 HP @ 277 Vac (N/C)

RIB Functional Devices, Inc.

Functional Devices, Inc.
101 Commerce Drive
Sharpsville, IN 46068

Toll-free: (800) 888-5538
Office: (765) 883-5538
Fax: (765) 883-7505

Email: sales@functionaldevices.com
Website: www.functionaldevices.com

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4. TAXES AND OTHER CHARGES: In addition to the prices quoted or invoiced, Buyer will pay any sales tax, excise tax, use tax, value added or consumption tax, customs duty (that is assessed on the delivery of Product(s) to a destination outside of the U.S.A.), fee or charge of any nature whatsoever imposed by any governmental authority on or measured by the transaction between Seller and Buyer. In the event Seller is required to pay any amount, Buyer will reimburse Seller therefore; or provide Seller, at the time the order is submitted, an exemption certificate or other document acceptable to the authority imposing the same. Seller does not accept and will not pay any fines, penalties or chargebacks from Buyer for any reason.

5. DELIVERY, RISK OF LOSS, CLAIMS AND FORCE MAJEURE:

A. All prices quoted for products are Ex-Works (Incoterms 2010) at a shipping facility determined by Seller, unless otherwise noted by Seller ("**Seller's Shipping Facility**"). Risk of loss or damage, and beneficial ownership, of the Products are transferred to Buyer when the Products are made available to Buyer at Seller's Shipping Facility. All delivery dates are approximate.

B. Buyer will only make written claims to Seller for damages, shortages or other delivery errors within seven (7) calendar days after receipt of shipment. All Products received by Buyer, or Buyer's clients, customers, or agents, that are not rejected within such time will be deemed accepted. Failure to provide such written notice constitutes a waiver of all such claims regarding such shipment by Buyer. Buyer will not revoke acceptance.

C. Seller is not liable for any damage as a result of any delay or failure to deliver due to any act of God, act of Buyer, embargo or other governmental act, regulation or request, fire, accident, power outage, strike, civil unrest, weather, slowdown or other labor difficulties, war, riot, act of terrorism, delay in transportation, defaults of common carriers, inability to obtain necessary labor, materials or manufacturing facilities or, without limiting the foregoing, any other delays beyond Seller's control. Buyer's sole and exclusive remedy for any delays or for Seller's inability to deliver Products for any reason, in each case, that persists for more than ninety (90) days, is to cancel the order pursuant to Seller's Order Policies and Guidelines available upon request.

6. WARRANTY; DISCLAIMER. Products are warranted to be free from manufacturing defects under normal use and conditions for five (5) years (the "**Warranty Period**").

The warranty does not apply to: (a) Damage caused by accident, abuse, mishandling, or dropping; (b) Products which have been subjected to unauthorized repair, opened, or taken apart; (c) Products not used in accordance with directions; (d) Damages exceeding the cost of such Product; and (e) Damages caused by lightning, water, or condensation. If warranty service is required during the Warranty Period, and if examination shall disclose to Seller's satisfaction that such Product was originally defective, then Seller will at its option repair or replace the product without charge upon prepaid delivery of such Product to Seller's facility with proof of date of purchase. Corrections of such defects by repair to or supplying of replacements for defective parts shall constitute fulfillment of all obligations of Seller.

Seller shall not be liable for loss, damage, or expense directly or indirectly caused from the failure of Products to perform as expected.

EXCEPT AS SET FORTH HEREIN, SELLER DISCLAIMS ALL REPRESENTATIONS OR WARRANTIES OF ANY KIND WHATSOEVER, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT, FITNESS FOR A PARTICULAR PURPOSE OR ANY WARRANTY ARISING FROM A COURSE OF DEALING OR USAGE OF TRADE. NO PERSON (INCLUDING ANY AGENT, DEALER OR REPRESENTATIVE OF SELLER) IS AUTHORIZED TO MAKE ANY REPRESENTATION OR WARRANTY CONCERNING PRODUCTS EXCEPT TO REFER BUYER TO THIS AGREEMENT. BUYER WARRANTS THAT BUYER HAS NOT RELIED ON ANY OTHER WARRANTIES OR REPRESENTATIONS CONCERNING THE PRODUCTS OR THIS AGREEMENT.
For warranty service, call factory for RA number and send such Product prepared with sales receipt to: FUNCTIONAL DEVICES, INC., 101 COMMERCE DRIVE, SHARPSVILLE, IN 46068.

7. LIMITATION OF LIABILITY: SELLER WILL NOT BE LIABLE FOR ANY LOSS OF PROFIT, INTERRUPTION OF BUSINESS OR ANY OTHER SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES SUFFERED OR SUSTAINED BY BUYER FOR ANY REASON. EXCEPT FOR CLAIMS OF DEATH OR PERSONAL INJURY, IN NO EVENT WILL SELLER'S AGGREGATE LIABILITY TO BUYER ARISING UNDER OR IN ANY WAY RELATED TO THIS AGREEMENT FOR ANY REASON (INCLUDING, BUT NOT LIMITED TO, LIABILITY ARISING FROM NEGLIGENCE OR ON THE BASIS OF STRICT LIABILITY, OR OTHERWISE) EXCEED THE TOTAL AMOUNT PAID BY BUYER TO SELLER HEREUNDER FOR ANY PRODUCT GIVING RISE TO A CLAIM UNDER THIS AGREEMENT.

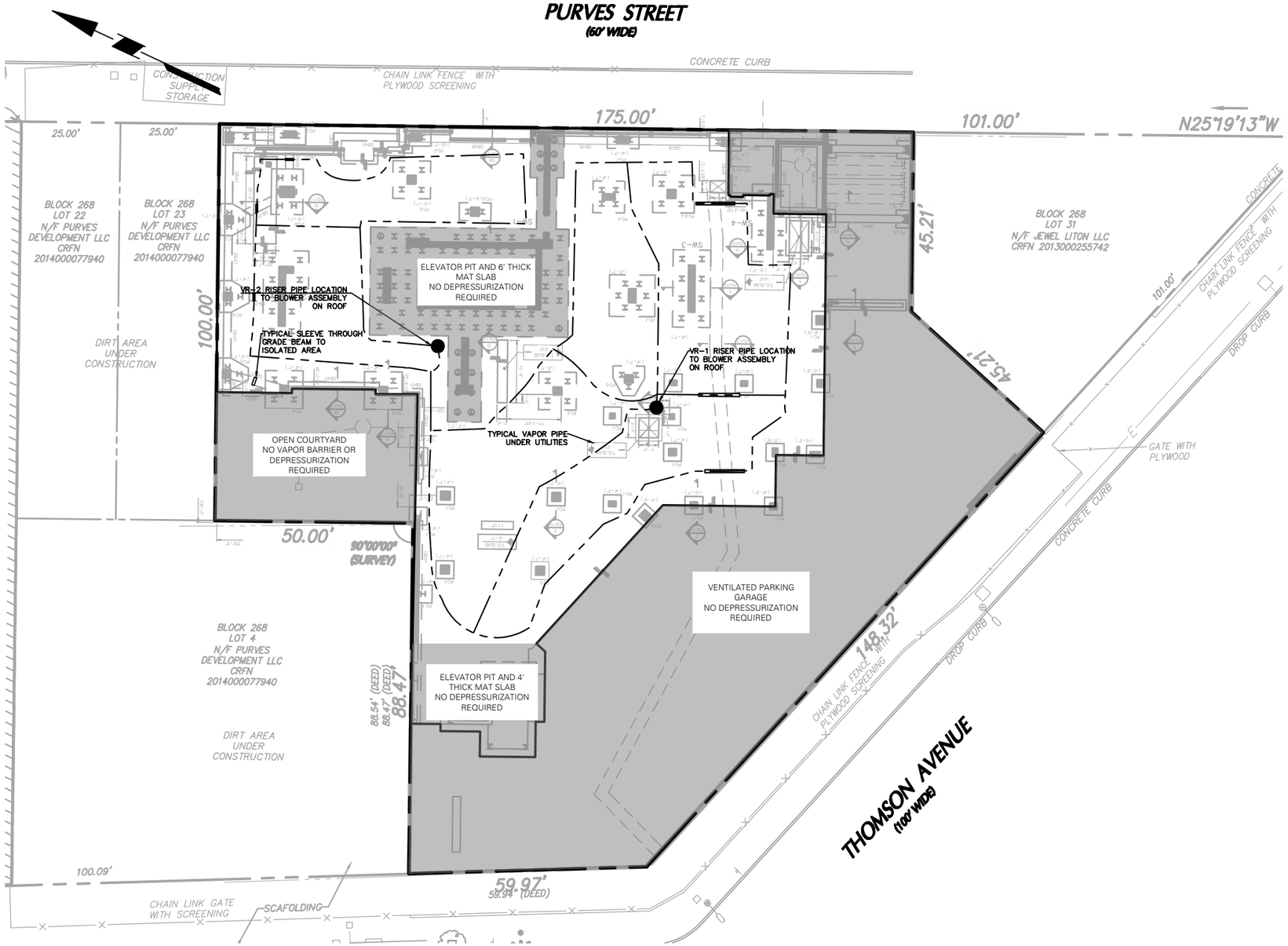
8. RETURNS: Unless otherwise approved by Seller in writing in its sole discretion, except in the case of a non-conforming shipment or a warranty issue, Buyer may not return Products. If Seller approves the return of Products pursuant to the preceding sentence, such returned Products must be returned within ninety (90) days from date of invoice and will be subject to a 25% restocking fee. An exception to this policy, would be our inverter line which has a 45 day from date of invoice return policy subject to a 25% restocking fee. In the event of a non-conforming shipment or a warranty issue, Buyer may return Products, but only if Buyer first: (a) provides notice to Seller as required in this Agreement, (b) obtains prior authorization from Seller, and (c) all Products or containers for which return is properly authorized have been marked with a return authorization number supplied by Seller. Buyer will make all returns via a traceable form such as Federal Express, UPS or insured mail and in resalable condition. Buyer will pay all return shipping charges and any other charges associated therewith.

9. CANCELLATIONS: Cancellation or deferment of all or part of an order is subject to acceptance by the Seller. If accepted, any reduction in quantity of any item to less than 85% of the original item quantity is subject to a 15% cancellation charge. If an order cancellation is accepted, the Buyer will make delivery and pay for all material manufactured and in stock or in process at time of notice for such order, and for any special materials on orders for which the Seller must take delivery.

10. EXPORTS. Buyer agrees that it will comply with any and all U.S. Export Controls and will not pay for, resell, transfer or knowingly sell Products in violation of U.S. Export Controls. If Buyer resells Products within or exports Products to a country or region which imposes upon Seller and/or Buyer an obligation to fund or undertake reuse, recycling, composting, recovery of Products, or any similar obligation (e.g., the European Union's Waste Electrical and Electronic Equipment Directive, EC 2002/96/EC) (the "**Obligations**"), Buyer shall wholly undertake the Obligations or duties and shall be entirely responsible for all associated costs therewith. Seller shall have no obligation to reimburse Buyer for execution of the Obligations. In the event that Seller is named in a proceeding based upon the Obligations, Buyer shall indemnify, defend and hold Seller harmless from all actions related thereto, including all civil and governmental actions.

11. MISCELLANEOUS. This Agreement is governed by the laws of the State of Indiana, without giving effect to its conflict of laws principles. Buyer hereby irrevocably consents and submits to the exclusive jurisdiction and venue of the state and federal courts in Marion County, Indiana. The United Nations Convention for Contracts for the International Sale of Goods is explicitly excluded. Each provision contained in this Agreement constitutes a separate and distinct provision severable from all other provisions. If any provision (or any part thereof) is unenforceable under or prohibited by any present or future law, then such provision (or part thereof) will be amended, and is hereby amended, so as to be in compliance with such law, while preserving to the maximum extent possible the intent of the original provision. Any provision (or part thereof) that cannot be so amended will be severed from this Agreement; and, all the remaining provisions of this Agreement will remain unimpaired. No modification, addition or deletion, or waiver of any rights under this Agreement is binding on a party unless made in a non-preprinted agreement clearly understood by the parties to be a modification or waiver, and signed by a duly authorized representative of each party.

ATTACHMENT 2
SMD SYSTEM DRAWINGS



GENERAL NOTES:

1. BASE MAPS TAKEN FROM FXFOWLE, "FOUNDATION PLAN BUILDING A, FO-101.00", DATED MAY 12, 2014, REVISED JULY 30, 2015, AND MAY 21, 2015 SURVEY BY LANGAN.
2. VAPOR BARRIER EXTENDS BELOW THE FOOTPRINT AND ALONG THE VERTICAL WALLS OF DEPRESSED FOUNDATION MAT AND SLABS, AS NOTED IN THE DRAWING. VAPOR BARRIER INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
3. VAPOR COLLECTION PIPE RUNS ARE APPROXIMATE. PIPE LOCATIONS ARE SHOWN IN AS-BUILT DRAWING INCLUDED IN APPENDIX Q OF THE NOVEMBER 13, 2015 FINAL ENGINEERING REPORT.
4. AS-BUILT LOCATIONS MEASURED FROM FIXED BUILDING ELEMENTS AND ARE APPROXIMATE.
5. THE DEEP ELEVATOR PIT AND SHEAR WALL PILE CAP ARE NOT DEPRESSURIZED BECAUSE IT IS A 6-FOOT THICK CONCRETE MAT AND WATERPROOFED IN ACCORDANCE WITH THE FOUNDATION DRAWINGS AND SPECIFICATIONS.
6. THE WATERPROOFING BENEATH THE SHEAR WALL PILE CAP, DEEP ELEVATOR PIT, AND ANY OTHER WATERPROOFED FOUNDATION ELEMENT, ARE MARRIED TO THE VAPOR BARRIER MEMBRANE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
7. SLEEVES THROUGH GRADE BEAMS WERE DESIGNED BY OTHERS.
8. SMD = SUBMEMBRANE DEPRESSURIZATION

LEGEND:

- PROPERTY BOUNDARY
- VAPOR BARRIER EXTENTS
- SMD VAPOR COLLECTION PIPING
- SLEEVE THROUGH GRADE BEAM FOR VAPOR COLLECTION PIPE
- APPROXIMATE VERTICAL RISER PIPE LOCATION (UP)

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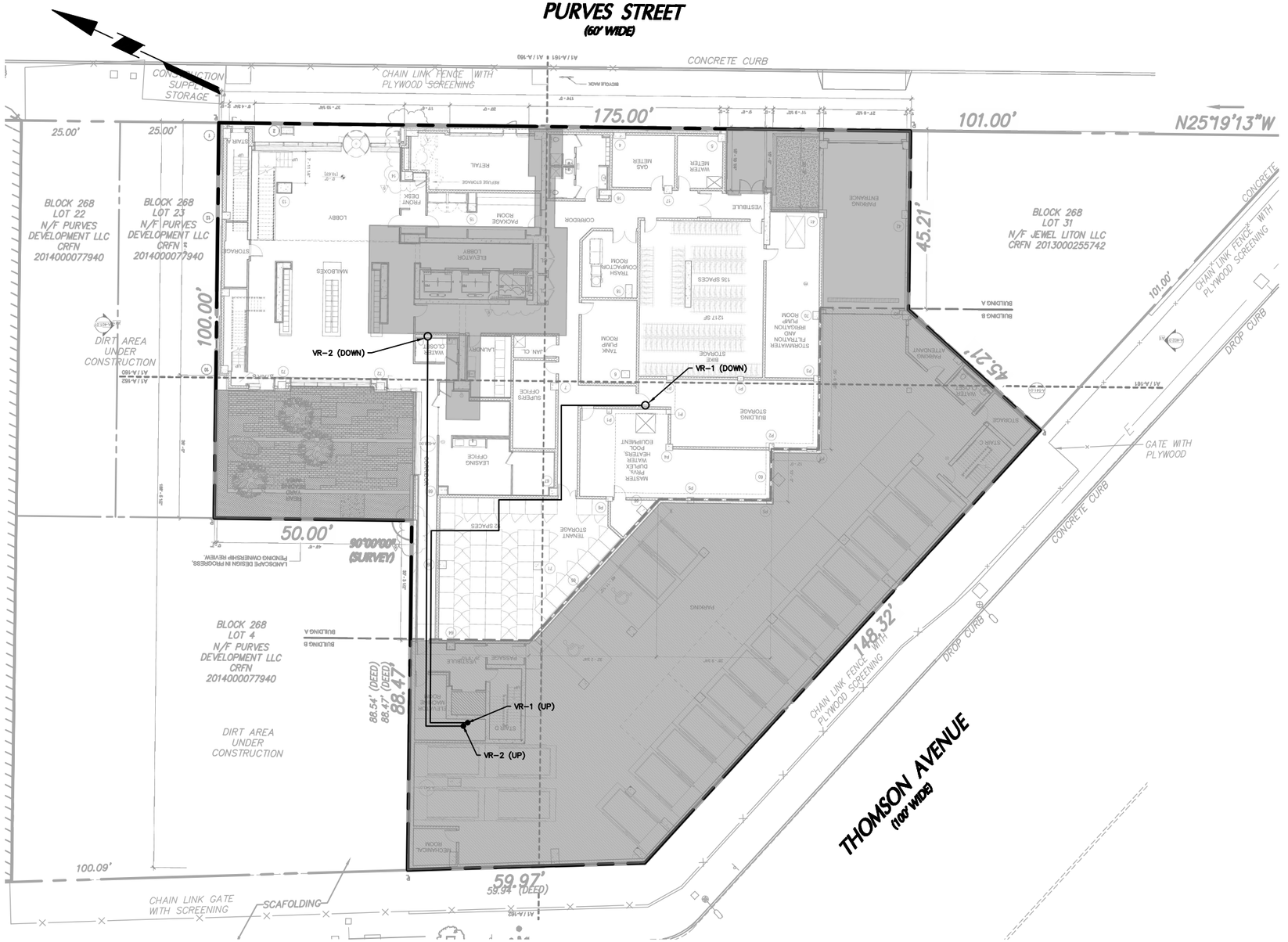
Project
44-30 PURVES STREET
BLOCK No. 268, LOT No. 1
QUEENS NEW YORK

Figure Title
SMD SYSTEM LAYOUT - SUBSURFACE

Project No. 170282501	Figure No. A-100.00
Date 01/21/2026	
Drawn By SW	
Checked By BK	Sheet 1 of 5

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Filename: \\langan.com\data\NY\data5\170282501\Cadd Data - 170282501\SheetFiles\Environmental\Annual Certifaction PRR\A-100.00 - SMD System Layout - Subsurface.dwg Date: 1/21/2026 Time: 13:54 User: swalters Style Table: Langan.stb Layout: A-100.00



GENERAL NOTES:

1. BASE MAPS TAKEN FROM FXFOWLE, "FOUNDATION PLAN BUILDING A, FO-101.00", DATED MAY 12, 2014, REVISED JULY 30, 2015, AND MAY 21, 2015 SURVEY BY LANGAN.
2. AS-BUILT LOCATIONS MEASURED FROM FIXED BUILDING ELEMENTS AND ARE APPROXIMATE.
3. SMD = SUBMEMBRANE DEPRESSURIZATION

LEGEND:

- PROPERTY BOUNDARY
- VR-1 (DOWN) — APPROXIMATE VERTICAL RISER PIPE LOCATION (DOWN)
- VR-1 (UP) — APPROXIMATE VERTICAL RISER PIPE LOCATION (UP)
- 4-INCH DIAMETER CAST IRON RISER PIPING

30 0 15 30
SCALE IN FEET

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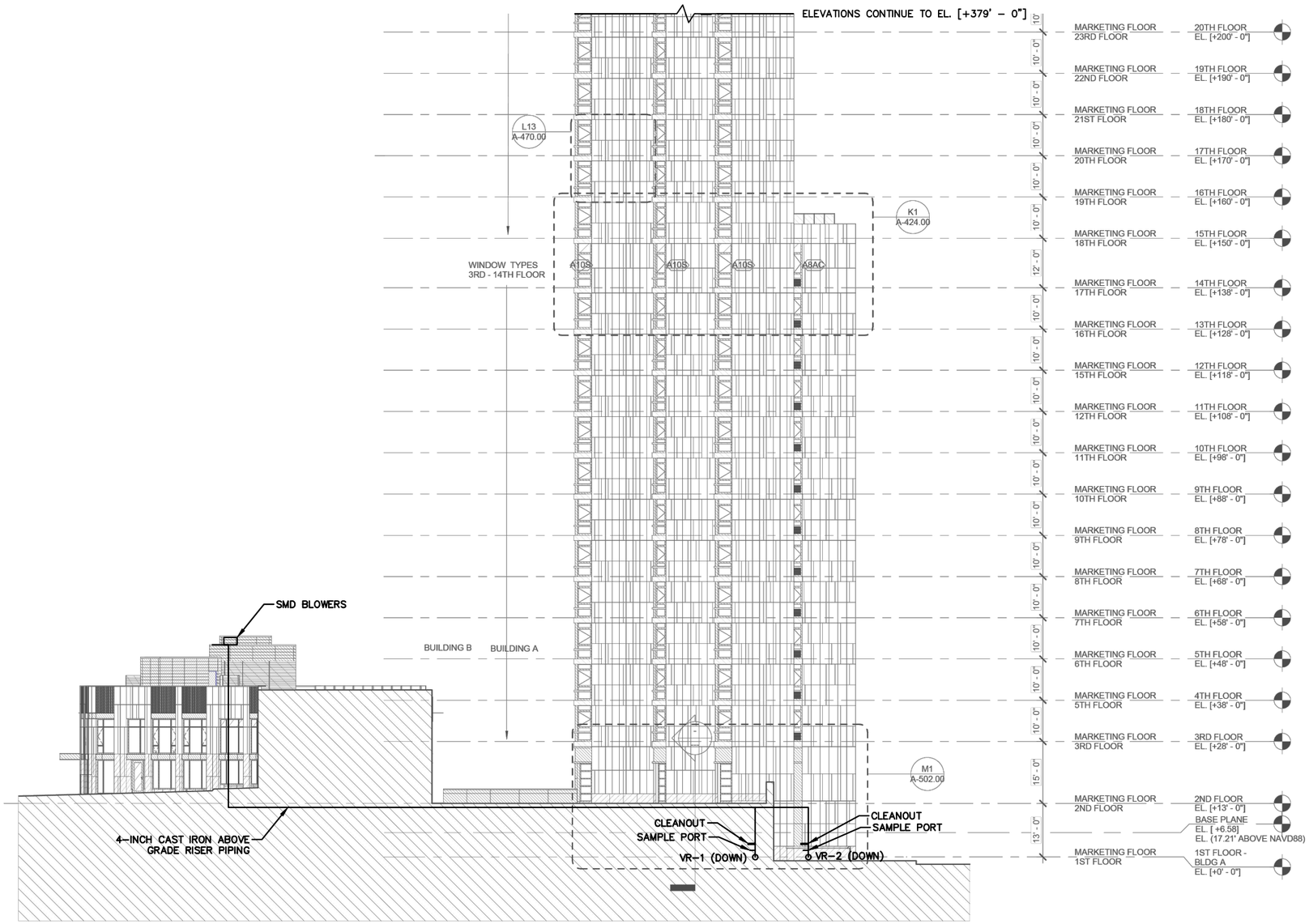
Project
44-30 PURVES STREET
BLOCK No. 268, LOT No. 1
QUEENS NEW YORK

Figure Title
SMD SYSTEM LAYOUT - SUBSURFACE

Project No. 170282501	Figure No. A-101.00
Date 01/21/2026	
Drawn By SW	
Checked By BK	Sheet 2 of 5

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SOUTH BUILDING SECTION ELEVATIONS

GENERAL NOTES:

1. BASE MAPS TAKEN FROM FXFOWLE, "BUILDING ELEVATIONS, A-402.01.00", DATED AUGUST 20, 2015.
2. ALL ELEVATIONS GIVEN THUS [ ] ARE GIVEN IN RELATION TO DATUM [+ 0'-0"] = 10.63' WHICH REFERS TO DATUM USED BY THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY.
3. AS-BUILT LOCATIONS MEASURED FROM FIXED BUILDING ELEMENTS AND ARE APPROXIMATE.
4. SMD = SUBMEMBRANE DEPRESSURIZATION

LEGEND:

○ APPROXIMATE VERTICAL RISER PIPE LOCATION (DOWN)

——— 4-INCH DIAMETER CAST IRON SMD PIPING

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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Project
44-30 PURVES STREET
BLOCK No. 268, LOT No. 1
QUEENS NEW YORK

Figure Title
SMD SYSTEM LAYOUT - ELEVATIONS

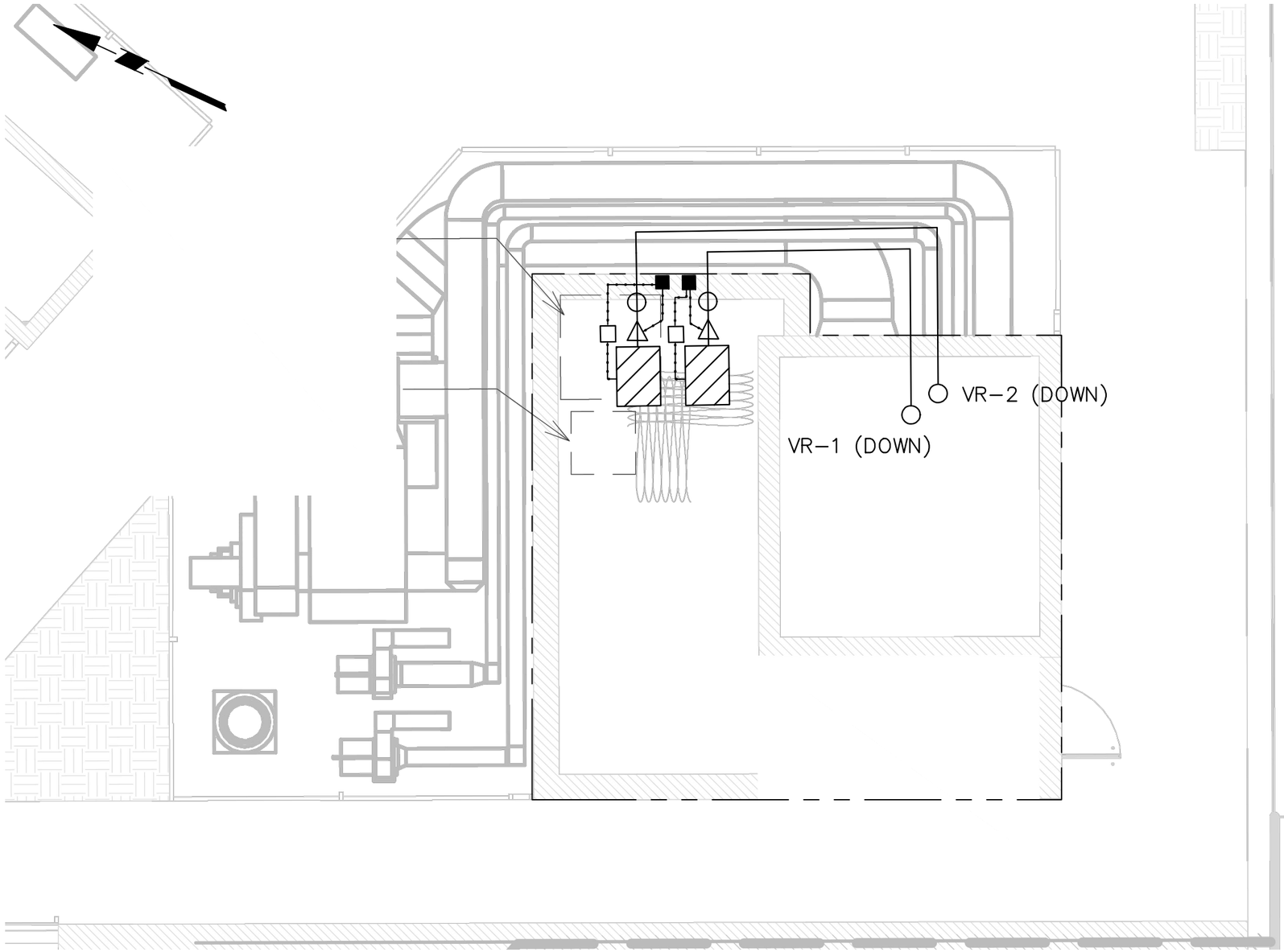
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Date	01/21/2026
Drawn By	SW
Checked By	BK

Figure No. **A-102.00**

Sheet 3 of 5

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ROOF PLAN (N.T.S.)

GENERAL NOTES:

1. BASE MAPS TAKEN FROM FXFOWLE, "ROOF MECHANICAL HVAC PLANS - BUILDING B, M-102.01", DATED OCTOBER 9, 2015.
2. AS-BUILT LOCATIONS MEASURED FROM FIXED BUILDING ELEMENTS AND ARE APPROXIMATE.
3. LOCATIONS CURRENT SWITCH, PRESSURE SWITCH, ALARM ENCLOSURES AND ELECTRICAL CONNECTIONS ARE SUBJECT TO CHANGE.
4. SMD = SUBMEMBRANE DEPRESSURIZATION

LEGEND:

- APPROXIMATE BULKHEAD EXTENTS
- VR-1 (DOWN) — APPROXIMATE VERTICAL RISER PIPE LOCATION (DOWN)
- 2-INCH DIAMETER METAL RISER PIPING
- ELECTRICAL CONNECTION
- VACUUM GAUGE
- CURRENT SWITCH
- PRESSURE SWITCH
- ALARM ENCLOSURE
- SMD BLOWER

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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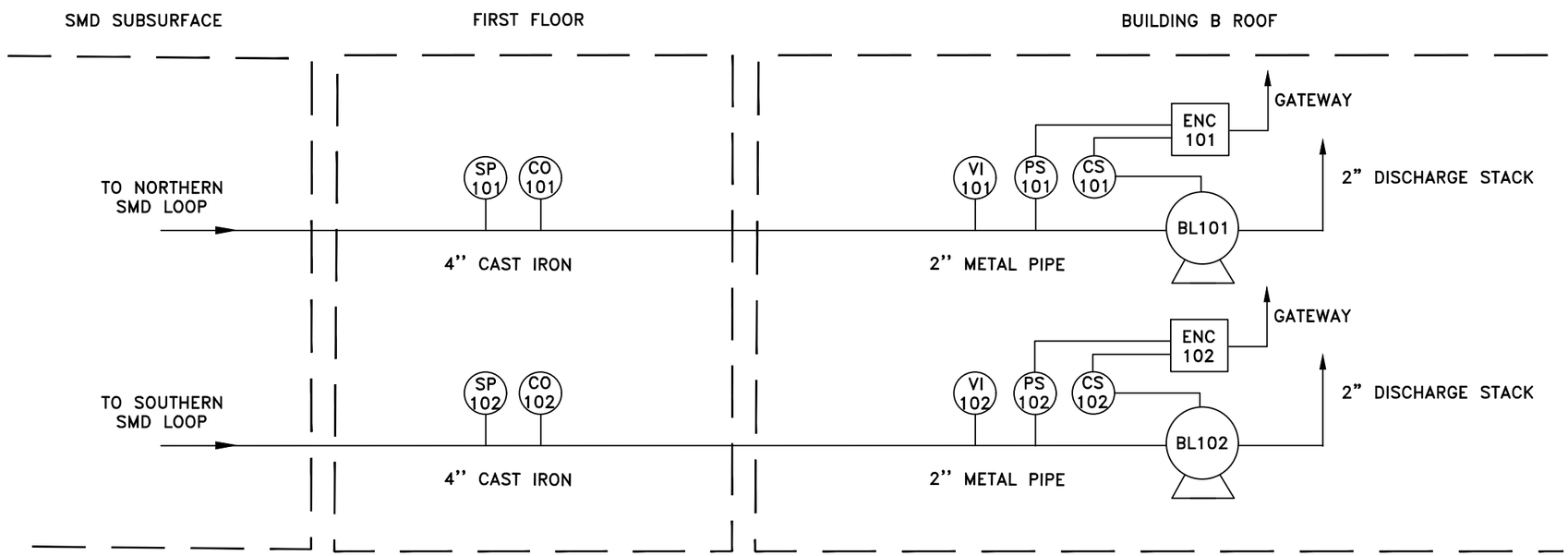
Project
44-30 PURVES STREET
BLOCK No. 268, LOT No. 1
QUEENS NEW YORK

Figure Title
SMD SYSTEM LAYOUT - ROOF PLAN

Project No. 170282501	Figure No. A-103.00
Date 01/21/2026	
Drawn By SW	
Checked By BK	Sheet 4 of 5

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INSTRUMENTATION SCHEDULE		
INSTRUMENT	SYMBOL	MODEL
BLOWER	BL101	AIRTECH 3BA1400
	BL102	AIRTECH 3BA1300
VACUUM INDICATOR	VI101	WEISS 0–100 IWC
	VI102	
PRESSURE SWITCH	PS101	JC P32AC–1C
	PS102	
CURRENT SWITCH	CS101	ACI A/MSCS–A
	CS102	
ENCLOSURE	ENC101	NEMA4 Enclosure
	ENC102	
GATEWAY	–	LoRa Gateway

LEGEND:

AI	ALARM INDICATOR
PS	PRESSURE SWITCH
CS	CURRENT SWITCH
ENC	ENCLOSURE
CO	CLEANOUT
BL	BLOWER
SP	SAMPLE PORT
VI	VACUUM INDICATOR

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Project
44-30 PURVES STREET
BLOCK No. 268, LOT No. 1
QUEENS NEW YORK

Figure Title
SMD SYSTEM LAYOUT - PROCESS & IMPLEMENTATION DIAGRAM

Project No.	170282501
Date	01/21/2026
Drawn By	SW
Checked By	BK

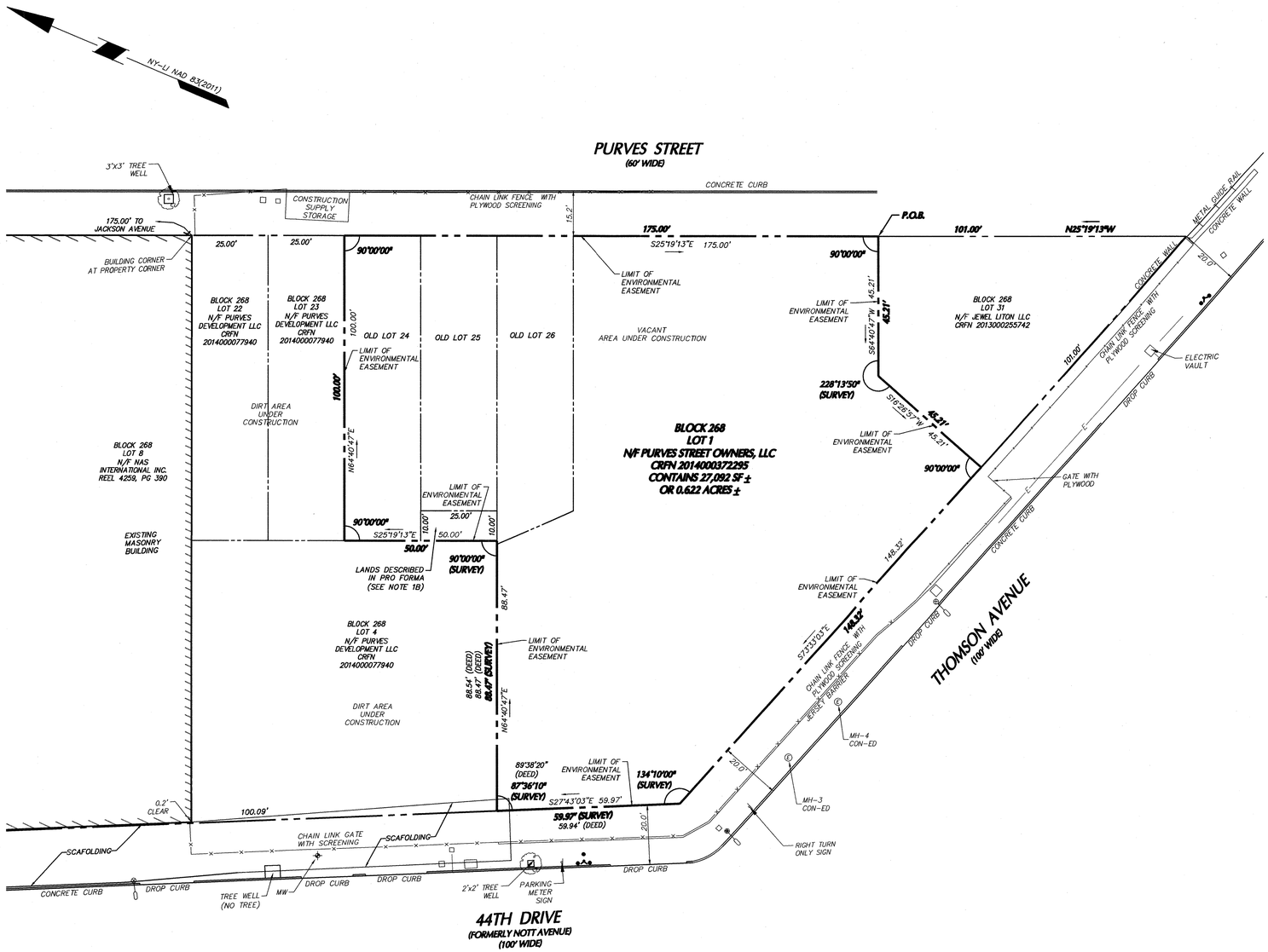
Figure No.
A-104.00
Sheet 5 of 5

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Filename: \\langan.com\data\NY\data5\170282501\Cadd Data - 170282501\SheetFiles\Environmental\Annual Certifaction PRR\A-104.00 - SMD System Layout - Process & Implementation Diagram.dwg Date: 2/5/2026 Time: 19:17 User: bkoontz Style Table: Langan.stb Layout: A-104.00

APPENDIX B

ENVIRONMENTAL EASEMENT



NOTES

1. THIS SURVEY IS BASED UPON EXISTING PHYSICAL CONDITIONS FOUND AT THE SUBJECT SITE, AND THE FOLLOWING REFERENCES:

   A. TITLE POLICY:
   PREPARED BY: OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY
   TITLE NUMBER: 901153
   EFFECTIVE DATE: 6/20/2013

   B. TITLE PRO FORMA:
   PREPARED BY OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY
   TITLE NUMBER: 905099
   EFFECTIVE DATE: 10/17/2014

   C. MAP ENTITLED "TOPOGRAPHIC & BOUNDARY SURVEY, BLOCK 268, LOT AS SHOWN, SECTION 2, COUNTY OF QUEENS" PREPARED BY APPLE SURVEYING AND DATED 04-11-2014.

   D. MAP ENTITLED "SURVEY OF PROPERTIES SITUATED IN: 44-18/38 PURVES STREET, BOROUGH OF QUEENS, COUNTY OF QUEENS, CITY OF NEW YORK, STATE OF NEW YORK, TOPO SURVEY, SIDEWALK AND STREET ELEVATIONS, BLOCK 268, LOT 1, 4, 22, 23, 24, 25, 26" PREPARED BY FEHRINGER SURVEYING, P.C. AND DATED NOVEMBER 6, 2013.

   E. MAP ENTITLED "LONG ISLAND CITY ATLAS MAPS, SHEET 14"

   F. SURVEY OF BLOCK 268, LOT 4 IN THE BOROUGH OF QUEENS, CITY OF NEW YORK, QUEENS COUNTY, NY PREPARED BY GERALD T. O'BUCKLEY, DATED MAY 7, 2013.

   G. MAP ENTITLED "TITLE SURVEY, TITLE NO. QUE 235739, BLOCK 268, LOT 1,24,25,26, SECTION 2, COUNTY OF QUEENS" PREPARED BY BIG APPLE LAND SURVEYORS, P.C. DATED JANUARY 04, 2005 AND LAST REVISED SEPTEMBER 30, 2005.

   H. SURVEY OF BLOCK 268, LOTS 1,22.23,24,25 & 26, SECTION 2, COUNTY OF QUEENS" PREPARED BY AAA GROUP LAND SURVEYORS SERVICES DATED JANUARY 17, 2008.

2. THE SURVEYED PROPERTY IS SUBJECT BUT NOT LIMITED TO THE FOLLOWING FACTS AS REVEALED BY THE HEREON REFERENCED INFORMATION. THE INFORMATION SHOWN HEREON DOES NOT CONSTITUTE A TITLE SEARCH BY THE SURVEYOR. ALL INFORMATION THAT MAY AFFECT THE QUALITY OF TITLE TO BOTH THE SUBJECT AND ADJOINING PARCELS SHOULD BE VERIFIED BY AN ACCURATE AND CURRENT TITLE REPORT.

3. THE MERIDIAN OF THIS SURVEY IS REFERENCED TO NYS-LI NAD83 (2011) AS ESTABLISHED USING GPS METHODS.

4. STREET NAMES AND R.O.W. WIDTHS, BLOCK AND LOT NUMBERS AS PER MAPS REFERENCED IN NOTES 1C, 1D & 1E.

5. PLANIMETRIC INFORMATION SHOWN HEREON HAS BEEN OBTAINED FROM GROUND SURVEYS BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING AND LANDSCAPE ARCHITECTURE, D.P.C. DURING MAY 2015.

6. AS PER THE "NEW YORK CITY PRELIMINARY FIRM DATA COMMUNITY PANEL NUMBER 3604970202G." PANEL NOT PRINTED THE ENTIRE THE SUBJECT PROPERTY LIES WITHIN ZONE X SHADED, AN AREA OF 0.2% ANNUAL CHANCE FLOOD HAZARD.

7. OFFSETS (IF SHOWN) ARE FOR SURVEY REFERENCES ONLY AND ARE NOT TO BE USED IN CONSTRUCTION OF ANY TYPE.

8. WETLANDS, ENVIRONMENTAL AND/OR HAZARDOUS MATERIALS LOCATION, IF ANY, NOT COVERED UNDER THIS CONTRACT.

9. UNLESS SPECIFICALLY NOTED HEREON, STORM AND SANITARY SEWER INFORMATION (INCLUDING PIPE INVERT, PIPE MATERIAL, AND PIPE SIZE) WAS OBSERVED AND MEASURED AT FIELD LOCATED STRUCTURES (MANHOLES/CATCH BASINS, ETC). CONDITIONS CAN VARY FROM THOSE ENCOUNTERED AT THE TIMES WHEN AND THE LOCATIONS WHERE DATA WAS OBTAINED. DESPITE MEETING THE REQUIRED STANDARD OF CARE THE SURVEYOR CANNOT AND DOES NOT WARRANT THAT PIPE MATERIAL AND/OR PIPE SIZE THROUGHOUT THE PIPE RUN ARE THE SAME AS THOSE OBSERVED AT EACH STRUCTURE, OR THAT THE PIPE RUN IS STRAIGHT BETWEEN THE LOCATED STRUCTURES.

   ADDITIONAL UTILITY (WATER, GAS, ELECTRIC ETC...) DATA MAY BE SHOWN FROM FIELD LOCATED SURFACE MARKINGS (BY OTHERS), EXISTING STRUCTURES, AND/OR FROM EXISTING DRAWINGS.

   UNLESS SPECIFICALLY NOTED HEREON THE SURVEYOR HAS NOT EXCAVATED TO PHYSICALLY LOCATE THE UNDERGROUND UTILITIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE SHOWN UNDERGROUND UTILITIES ARE EITHER IN SERVICE, ABANDONED OR SUITABLE FOR USE, NOR ARE IN THE EXACT LOCATION OR CONFIGURATION INDICATED HEREON.

   PRIOR TO ANY DESIGN OR CONSTRUCTION THE PROPER UTILITY AGENCIES MUST BE CONTACTED FOR VERIFICATION OF UTILITY TYPE AND FOR FIELD LOCATIONS

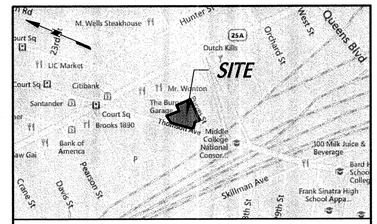
   UNLESS NOTED BELOW SUPPLEMENTAL DOCUMENTS WERE NOT USED TO COMPILE THE SUBSURFACE UTILITY INFORMATION SHOWN HEREON

10. THIS IS TO CERTIFY THAT THERE ARE NO STREAMS NOR NATURAL WATERCOURSES ON THE PROPERTY AS SHOWN ON THIS SURVEY.

11. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

12. THIS PLAN NOT VALID UNLESS EMBOSSED OR BLUE INK STAMPED WITH THE SEAL OF THE PROFESSIONAL.

13. THE PROPERTY IS SUBJECT TO A DECLARATION OF COMMON SEWER AND SITE CONNECTION RECORDED IN CRFN 2015000011044.



PROJECT LOCATION MAP

SCALE: NO SCALE

SOURCE: BINGMAPS.COM

THIS PROPERTY IS SUBJECT TO AN ENVIRONMENTAL EASEMENT HELD BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PURSUANT TO TITLE 36 OF ARTICLE 71 OF THE NEW YORK ENVIRONMENTAL CONSERVATION LAW. THE ENGINEERING AND INSTITUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN MORE DETAIL IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, NY 12233 OR AT DERWEB@DEC.NY.GOV.

DEED DESCRIPTION OF BLOCK 268, LOT 1

BEGINNING at a point on the westerly side of Purves Street distant 101 feet northerly from the corner formed by the intersection of the westerly side of Purves Street with the northeasterly side of Thomson Avenue;

RUNNING THENCE northerly along the westerly side of Purves Street a distance of 175 feet to a point;

THENCE westerly and at right angles to the westerly side of Purves Street a distance of 100 feet to a point;

THENCE southerly and parallel with the westerly side of Purves Street a distance of 50 feet to a point;

THENCE westerly on a course forming an interior angle of 89 degrees 38 minutes 20 seconds with the easterly side of 44th Drive a distance of 88.54 feet (deed), 88.47 feet (survey) to a point on the easterly side of 44th Drive;

THENCE southerly along the easterly side of 44th Drive a distance of 59.94 feet to the corner formed by the intersection of the easterly side of 44th Drive with the northeasterly side of Thomson Avenue;

THENCE southeasterly along the northeasterly side of Thomson Avenue a distance of 148.32 feet to a point;

THENCE northeasterly and at right angles to the northeasterly side of Thomson Avenue a distance of 45.21 feet to a point;

THENCE easterly and at right angles to the westerly side of Purves Street a distance of 45.21 feet to the westerly side of Purves Street and the point or place of BEGINNING

Encompassing an area of 27,092 square feet or 0.622 acres.

WRITTEN DESCRIPTION FOR BLOCK 268, LOT 1 ENVIRONMENTAL EASEMENT

BEGINNING at a point on the westerly sideline of Purves Street, shown 60 feet wide on the Long Island City Atlases, where the same is intersected by the division line between lands hereindescribed and lands now or formerly of Jewel Liton LLC, described in CRFN 2013000255742, said point distant 101.00 feet measured northerly along said sideline from its intersection with the northeasterly sideline of Thomson Avenue, shown 100 feet wide on said Long Island City Atlases, and runs, thence:

1. Along lands of Jewel Liton LLC, South 64°40'47" West, a distance of 45.21 feet, to a point; thence
2. Continuing along lands of Jewel Liton LLC, South 16°26'57" West, a distance of 45.21 feet, to a point on the northeasterly sideline of Thomson Avenue; thence
3. Along the northeasterly sideline of Thomson Avenue, North 73°33'03" West, a distance of 148.32 feet, to its intersection with the easterly sideline of 44th Drive, formerly Nott Avenue, shown 100 feet wide on said Long Island City Atlases; thence
4. Along the easterly sideline of 44th Drive, North 27°43'03" West, a distance of 59.97 feet, to a point where the same is intersected by the division line between lands hereindescribed and lands now or formerly of Purves Development LLC, described in CRFN 2014000077940; thence
5. Along Purves Development LLC, North 64°40'47" East, a distance of 88.47 feet to a point; thence
6. Continuing along Purves Development LLC, North 25°19'13" West, a distance of 50.00 feet, to a point; thence
7. Continuing along Purves Development LLC, North 64°40'47" East, a distance of 100.00 feet, to a point in the westerly sideline of Purves Street; thence
8. Along the westerly sideline of Purves Street, South 25°19'13" East, a distance of 175.00 feet, to the Point of Beginning.

Encompassing an area of 27,092 square feet or 0.622 acre.

LEGEND (NOT SHOWN TO SCALE)

	HYDRANT	D	STORM DRAIN
	STREET LIGHT	S	SANITARY LINE
	AREA LIGHT	G	GAS LINE
	SIGNAL POLE	W	WATER LINE
	POLE	E	ELECTRIC LINE
	GUY WIRE	T	TELEPHONE LINE
(D)(S)(W)(T)(E)	MANHOLE (TYPE AS LABELED)		OVERHEAD WIRE
	WATER VALVE		GUIDE RAIL (TYPE AS NOTED)
	GAS VALVE		CHAIN LINK FENCE
	SHRUB		TREE LINE
	CATCH BASIN		EASEMENT LINE
x322.35	SPOT ELEVATION		PROPERTY LINE
	CLEAN OUT		RIGHT-OF-WAY LINE
	TREE	322	CONTOUR LINE
	SIGN	DYS	DOUBLE YELLOW STRIPE
	BOLLARD	SWS	SINGLE WHITE STRIPE
	TRAFFIC SIGNAL	RCP	REINFORCED CONCRETE PIPE
BWS	BROKEN WHITE STRIPE	EP	EDGE OF PAVEMENT
SYS	SINGLE YELLOW STRIPE	CMP	CORRUGATED METAL PIPE
CC	CONCRETE CURB	LSA	LANDSCAPED AREA
CONC	CONCRETE	DC	DROP CURB

0 20 40 Feet
0 6.096 12.192 Meters

Date	Description	No.
REVISIONS		

SIGNATURE — PAUL O. FISHER — DATE SIGNED
PROFESSIONAL LAND SURVEYOR NY Lic. No. 050784-1

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO WASHINGTON, DC FLORIDA TEXAS NORTH DAKOTA CALIFORNIA ABU DHABI ATHENS DOHA DUBAI ISTANBUL PANAMA
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. S.A.
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

Project
44-30 PURVES STREET
BLOCK No. 268, LOT No.1
BOROUGH OF QUEENS
CITY OF NEW YORK

QUEENS COUNTY — STATE OF NEW YORK

Drawing Title
BOUNDARY SURVEY

Project No. 170282501	Drawing No. VB-101
Date 21 MAY 2015	
Scale 1"=20'	
Drawn By BP / Checked By PDF	
Submission Date 21 MAY 2015	Sheet 1 of 1

PROJECT NO. 170282501 SUBMISSION DATE: MAY 21, 2015 LANGAN

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Filename: U:\data5\170282501\Cadd Data - 170282501\SheetFiles\SURVEY\170282501-VB101-0101.dwg Date: 5/28/2015 Time: 16:47 User: gperlu Style Table: Langan.stb Layout: ARCHD-SL

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument.The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2015081800555001003E1EFD

RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 10**

Document ID: 2015081800555001 Document Date: 07-31-2015 Preparation Date: 08-18-2015
Document Type: EASEMENT
Document Page Count: 9

PRESENTER:
ROYAL REGISTERED PROPERTY REPORTS INC
180853
500 5TH AVENUE
SUITE 1540
NEW YORK, NY 10110
212-376-0900

RETURN TO:
ROYAL REGISTERED PROPERTY REPORTS INC
180853
500 5TH AVENUE
SUITE 1540
NEW YORK, NY 10110
212-376-0900

PROPERTY DATA

Borough	Block	Lot	Unit	Address
QUEENS	268	1	Entire Lot	44-30 PURVES STREET

Property Type: NON-RESIDENTIAL VACANT LAND Easement

CROSS REFERENCE DATA

CRFN_____ *or* DocumentID_____ *or* _____ Year____ Reel____ Page_____ *or* File Number_____

PARTIES

GRANTOR/SELLER:
PURVES STREET OWNERS LLC
52 VANDERBILT AVENUE
NEW YORK , NY 10017

GRANTEE/BUYER:
PEOPLE OF STATE OF NEW YORK BY
COMMISSIONER. DEPT
OF ENVIRONMENTAL CONSERVATION , 625
BROADWAY
ALBANY , NY 12233

FEES AND TAXES

Mortgage :		
Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	82.00
Affidavit Fee:	$	0.00

Filing Fee: $ 250.00
NYC Real Property Transfer Tax: $ 0.00
NYS Real Estate Transfer Tax: $ 0.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 08-26-2015 12:11
City Register File No.(CRFN): **2015000296906**

City Register Official Signature

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 31st day of July, 2015 between Owner(s) Purves Street Owners, LLC, having an office at 52 Vanderbilt Avenue, New York, New York 10017, County of New York, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 44-30 Purves Street in the City of New York, County of Queens and State of New York, known and designated on the tax map of the New York City Department of Finance as tax map parcel number: Block 268 Lot 1, being the same as that property conveyed to Grantor by deeds dated June 19, 2014 and October 17, 2014 and recorded in the City Register of the City of New York in CFRN #'s 2014000225213 and 2014000372295, respectively. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately .622 +/- acres, and is hereinafter more fully described in the Land Title Survey dated May 21, 2015 prepared by Paul D. Fisher, L.S., which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation

established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: C241162-06-14 as amended by Amendment #1 dated January 22, 2015, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement")

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health and Mental Hygiene to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled

Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held

by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved b the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: C241162
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Purves Street Owners, LLC:

By: _____

Print Name: David Brause

Title: Authorized Signatory Date: 7/1/15

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF NewYork)

On the 1st day of July, in the year 2015, before me, the undersigned, personally appeared David Brause, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Wendy Galarza
Notary Public - State of New York

WENDY GALARZA
NOTARY PUBLIC-STATE OF NEW YORK
No. 01GA6200632
Qualified In Bronx County
My Commission Expires February 09, 2017

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Robert W. Schick, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 31st day of July, in the year 2015, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2018

SCHEDULE "A" PROPERTY DESCRIPTION

ALL THAT CERTAIN plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough and County of Queens, City and State of New York, bounded and described as follows:

BEGINNING at a point on the westerly sideline of Purves Street, shown 60 feet wide on the Long Island City Atlases, where the same is intersected by the division line between lands herein described and lands now or formerly of Jewel Liton LLC, described in CRFN 2013000255742, said point distant 101.00 feet measured northerly along said sideline from its intersection with the northeasterly sideline of Thomson Avenue, shown 100 feet wide on said Long Island City Atlases, and runs, thence:

1. Along lands of Jewel Liton LLC, South 64'40'47" West, a distance of 45.21 feet, to a point; thence
2. Continuing along lands of Jewel Liton LLC, South 16'26'57" West, a distance of 45.21 feet, to a point on the northeasterly sideline of Thomson Avenue; thence
3. Along the northeasterly sideline of Thomson Avenue, North 73·33'03" West, a distance of 148.32 feet, to its intersection with the easterly sideline of 44th Drive, formerly Nott Avenue, shown 100 feet wide on said Long Island City Atlases; thence
4. Along the easterly sideline of 44th Drive, North 27·43'03" West, a distance of 59.97 feet, to a point where the same is intersected by the division line between lands herein described and lands now or formerly of Purves Development LLC, described in CRFN 2014000077940; thence
5. Along Purves Development LLC, North 64'40'47" East, a distance of 88.47 feet to a point: thence
6. Continuing along Purves Development LLC, North 25'19'13" West, a distance of 50.00 feet, to a paint; thence
7. Continuing along Purves Development LLC, North 64"40'47" East, a distance of 100.00 feet, to a point in the westerly sideline of Purves Street; thence
8. Along the westerly sideline of Purves Street, South 25"19'13" East, a distance of 175.00 feet, to the Point of Beginning.
9. Encompassing an area of 27,092 square feet or 0.622 acres.

APPENDIX C

PRODUCT SPECIFICATIONS AND REPLACEMENT SCHEDULE

EMPOWERED BUILDINGS

Contact Sensor

CPL03



OVERVIEW:

The CPL03 series is a **Contact Sensor** for Internet of Things solution. It detects **dry contact status**, **open time**, **open counts**, and then uploads to an IoT server via LoRaWAN, NB-IoT or CAT-M1 network.

The CPL03 series sends data periodically every day as well as for each dry contact action. It also counts the contact open times and calculates last open durations. Users can also disable the uplink for each open/close event, or device can count each open event and uplink periodically.

It supports open alarm features where users can set alarms for instant notifications. The sensor supports a Datalog feature, it can save the data when there is no network and uplink when network recover.

The Dragino CPL03 series is designed for outdoor use. It has a weatherproof enclosure and industrial level battery to work in low to high temperatures.

It supports BLE configure and wireless OTA update which make user easy to use.

The Dragino CPL03 series is powered by 8500mAh Li-SOCI2 battery or solar panel with Li-ion battery, it is designed for long-term use up to several years.

Applications:



Gas Meter



Water Meter

Specifications:

- Ingress Protection (Enclosure): IP67 rated for outdoor use
- Dimensions: 195 x 125 xx 55 mm
- Weight: 420 g (with battery)
- Firmware Maintenance: Supports wireless OTA firmware updates
- Alarm Trigger Logic: Configurable open-duration alarm (alarm sent if contact remains open longer than a user-defined time)
- Datalog Capacity: Stores contact events locally when network is unavailable and uploads after reconnection

877.562.2597
info@empoweredbuildings.com
empoweredbuildings.com

EMPOWERED BUILDINGS

Model Variants

Variants	CPL03-LB	CPL03-LS	CPL03-NB	CPL03-NS	CPL03-CB	CPL03-CS
Connectivity	LoRaWAN	LoRaWAN	NB-IoT	NB-IoT	NB-IoT, LTE-M, GNSS	NB-IoT, LTE-M, GNSS
Configure Method	TTL, BLE, LoRaWAN	TTL, BLE, LoRaWAN	TTL, BLE, NB-IoT	TTL, BLE, NB-IoT	TTL, BLE, NB-IoT, LTE-M	TTL, BLE, NB-IoT, LTE-M
Upgrade Method	TTL, BLE, LoRa	TTL, BLE, LoRa	TTL, BLE	TTL, BLE	TTL, BLE	TTL, BLE
Features	**Sensor /Probe:** * Open/Close detect * Open/Close statistics * IP protection level: IP67 * Support Datalog Feature, Open Alarm Feature **General Features:** * Ultra-low power consumption * Support Bluetooth v5.1 remote configure and OTA update firmware * Uplink on periodically * GNSS for Location Report (for -CB & -CS models only) * Downlink to change configure					
Battery & Power	* 8500 mAh Li/SOCI2 Battery	* Solar + 3000 mAh Li-ion Battery	* 8500 mAh Li/SOCI2 Battery	* Solar + 3000 mAh Li-ion Battery	* 8500 mAh Li/SOCI2 Battery	* Solar + 3000 mAh Li-ion Battery
Power Consumption	* Sleep Mode: 5uA @ 3.3v * LoRa Transmit Mode: 125mA @ 20dBm, 82mA @ 14dBm	* Sleep mode: 74uA@3.8V * LoRa Transmit Mode: 206mA@14dBm, 236mA@20dBm	* Sleep mode: 14uA@3.3V * Max Transmit power: 350mA@3.3V	* Sleep mode: 74uA@3.4V * Max Transmit power: 350mA@3.4V	* Sleep mode: 14uA@3.3V * Max Transmit power: 350mA@3.3V	* Sleep mode: 74uA@3.4V * Max Transmit power: 350mA@3.4V
Supply Voltage	2.5v ~ 3.6v	3.7v ~ 4.2v	2.5v ~ 3.6v	3.7v ~ 4.2v	2.6v ~ 3.6v	3.7v ~ 4.2v
Operating Temperature	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C

Battery & Enclosure Options:



Li-SOCI2 Battery & Enclosure:

- Li/SOCI2 un-chargeable battery Capacity: 8500mAh
- Self-Discharge: <1% /Year @
- 25°C Max continuously current:
- 130mA Max boost current: 2A, 1 second



Solar Version & Enclosure:

- 3000mAh Re-chargeable battery
- 0.9W on board solar pannel Suitable to used in the place where sun is sufficient



- Support location feature by: GPS/ GLONASS/BDS/Galileo / QZSS

Wireless Option:

LoRaWAN®

- LoRaWAN 1.0.3 Class A
- Bands: CN470/EU433/KR920/US915/ EU868/AS923/AU915/IN865
- OTAA or ABP Mode.
- World Wide Unique LoRaWAN
- Key RX sensitivity: down to -139 dBm. Max +22 dBm - 100 mW RF output

NB-IoT

- **CAT NB2 Bands:**
- For -NB & -NS: B1/B2/B3/B4/B5/B8/B12/B13/ B17/B18/B19/B20/B25/B28/B66/B70/B 85
- For -CB & -CS: B1/B2/B3/B4/B5/B8/B12/B13/ /B18/B19/B20/B25/B28/B66/B71/B85

Uplink via MQTT, MQTTs, TCP, UDP or CoAP Multiply Sampling and one uplink

LTE-M

- CAT-M1 /LTE-M Bands: B1/B2/B3/B4/B5/ B8/B12/B13/B18/B19/B20/B25/B26/B2 7/ B28/B66/B85
- Uplink via MQTT, MQTTs, TCP, UDP or CoAP Multiply Sampling and one uplink

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EMPOWERED BUILDINGS

LoRaWAN Gateway

LPS8N



OVERVIEW:

The LPS8N is an open-source LoRaWAN Indoor Gateway that bridges a LoRa wireless network to an IP network via WiFi, Ethernet, 3G, or 4G cellular networks. LoRa wireless technology enables users to send data over extremely long ranges at low data rates.

The LPS8N utilizes the Semtech packet forwarder and LoRaWAN Basic Station, making it fully compatible with the LoRaWAN protocol. It features the SX1302 LoRa concentrator, which supports 10 programmable parallel demodulation paths.

The LPS8N comes with pre-configured standard LoRaWAN frequency bands for various countries. Users also have the option to customize the frequency bands to fit their specific LoRa network requirements.

The LPS8N can communicate with ABP LoRaWAN end nodes without the need for a LoRaWAN server. System integrators can easily integrate it with their existing IoT services without setting up their own LoRaWAN server or relying on third-party LoRaWAN services.

Features:

- LoRaWAN Gateway
- Support different level log in
- Open Source OpenWrt system
- Support LoRaWAN basic station
- Emulates 49x LoRa demodulators
- Support Semtech Packet Forwarder
- Optional 3G/4G cellular connection
- Managed by Web GUI, SSH via WAN or WiFi
- Remote access with Reverse-SSH or remote.it
- 10 programmable parallel demodulation paths
- Allow to customize LoRaWAN regional parameters.
- Pre-configure to support different LoRaWAN regional settings.
- Support Local decode ABP end node info and transfer to MQTT server

Applications:

- Smart Metering
- Smart Agriculture
- Smart Cities
- Smart Factory
- Smart Buildings
- Home Automation
- Logistics
- Supply Chain Management

Specifications:

LoRa Interfaces:

1 x SX1302 + 2 x SX1250 LoRa Transceiver Max Output Power: 27dBm
Sensitivity: -140dBm

General Interfaces:

10M/100M RJ45 Ports x 1
1 x 2.4G WiFi (802.11 bgn)
1 x USB host port
1 x USB Type C port for power Power Input: 5v, 2A
Optional 4G version

877.562.2597
info@empoweredbuildings.com
empoweredbuildings.com

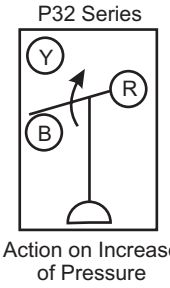
Code No. LIT-1927195
Issued February 1, 2009

P32 Series

Sensitive Pressure Switch

Description

This differential pressure switch is used to sense pressure/air flow in ducts.



P28 Action Diagram

Features

- easy-to-read setpoint scale
- versatile mounting options

Applications

- pressure/air flow proving with electric duct heaters, humidifiers, and other equipment
- maximum pressure/air flow control for variable volume systems
- reheat duct powered systems
- clogged filter detection
- detection of icing of air conditioning coils and initiation of defrost cycle
- sensitive pressure settings
- dust-tight snap switch



P32

Selection Chart

Code Number	Ambient Temperature Min./Max.	Connector	Maximum Over-pressure psig (kPa) [1]	Contact Action	Range in. WC (kPa)	Sensitivity at Min. Set point in. WC (kPa)	Setpoint	Scale Plate	Mounting Bracket (Included)
P32AC-1C	-40°F (-40°C) min. 167°F (75°C) max.	High Pressure connectors are metal 1/8 in. female NPT inside, 1/2 in. NPSM outside for mounting Low Pressure connectors are molded, 1/8 in. female NPT	1 (6.895)	SPDT	0.15 to 12 (0.037 to 2.99)	0.07 (0.017)	Adjustable	Yes	L BKT182-1R bracket2.eps
P32AC-2C[2]					0.05 to 5 (0.012 to 1.24)	0.04 (0.01)			U BKT229-1R bracket1.eps
P32AF-1C						0.025 (0.006)			L BKT182-1R bracket2.eps
P32AF-2C[2]									U BKT229-1R bracket1.eps

1. Maximum overpressure at either connection
2. Supplied with 1/4 in. compression fitting, 4 in. extension tube, two mounting screws, and “O” gasket (angle barbed fitting installed)

Accessories

The switch can be mounted directly or with the supplied mounting bracket.

Code Number	Description
FTG18A-600R	Remote Mounting Kit: 4 in. flanged sensing tube, two barbed fittings, two No. 10 screws, and a gasket

Technical Specifications

Electrical Ratings

Motor Ratings VAC	120	208	240
Type P32AC (Standard Differential, 1/2 hp)			
AC Full Load A	9.8	5.65	4.9
AC Locked Rotor A	58.8	33.9	29.4
Non-Inductive or Resistive Load	15 amp 24 to 277 VAC		
Pilot Duty – 125 VA, 24 VAC; 360 VA, 120 to 277 VAC			
Type P32AF (Close Differential, 1/4 hp)			
AC Full Load A	5.8	3.3	2.9
AC Locked Rotor A	34.8	19.8	17.4
Non-Inductive or Resistive Load	10 amp, 24 to 277 VAC		
Pilot Duty – 125 VA, 24 VAC; 360 VA, 120 to 277 VAC			

The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products. © 2009 Johnson Controls, Inc.



MINI ADJUSTABLE SWITCHES

MCS-A & MSCS-A Series

The Miniature Adjustable Current switches are designed for use in any AC current monitoring application in which you are looking for an adjustable current switch to monitor normal operating conditions, equipment failure or preventative maintenance scheduling for a particular piece of equipment. The adjustable current switches should be installed on the line side of the power to the motor, pump, compressor or other equipment. The miniature adjustable current switches are available in both solid and split-core versions in a smaller enclosure style than that of the A/ACS2 and A/ASCS2 Series adjustable current switches. The solid-core versions are a great choice for new installations or OEM applications in which cost sensitivity, lower trip points and environmental issues may be of concern. The split-core version of the current switches work great in retrofit applications and for use in service vehicles since one part will work in most applications and can be installed without disconnecting any wires. The adjustable current status switches can also be used to determine the run time of your equipment where you want to know when your piece of equipment runs and for how long it runs when logging the contact closures on your building management system or PLC.

Applications: Overload Conditions, Under Load Conditions, Normal Load Conditions, Broken Belts, Belt Slippage, Locked Rotors, Electrical Failure, Load Status, Local Alarms such as Strobes/Audible Alarms, Pumps, Fans, Compressors, Lighting Status and Usage Information, Ovens, Process Control, Industrial Equipment, Equipment Maintenance, OEM

The Miniature Adjustable Current Switches are covered by ACI's Five (5) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, www.workaci.com.

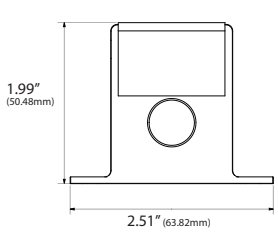
PRODUCT SPECIFICATIONS

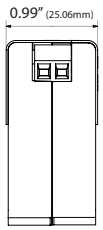
Monitored Current Type:	AC Current
Maximum AC Voltage:	600 VAC
Operating Frequency Range:	50/60 Hz
Core Style:	Solid-Core and Split-Core Versions available (See Ordering Grid)
Sensor Power:	Induced from the Monitored Conductor (Insulated Conductors only)
Amperage Range:	See Ordering Grid
Isolation Voltage:	2200 VAC
Trip Point Style | Adjustable Trip Point Range:	Adjustable Trip Point | See Ordering Grid
Hysteresis:	10% Trip Point, typical
Contact Type:	Normally-Open "N/O"
Contact Rating:	1A Continuous @ 36 VAC/VDC
Contact "On" Resistance | "Off" Resistance:	< 0.5 Ohms (tripped) | > 1 Meg Ohms (Open)
Response Time:	**A/MCS-A:** < 90 mS, typical | **A/MSCS-A:** < 45 mS typical
Status LED Indication [1]:	Red LED (Current above trip point) | Blue LED (Current below trip point)
Aperture Size (Diameter):	0.53" (13.46 mm)
Operating Temperature Range:	-22 to 140ºF (-30 to 60ºC)
Operating Humidity Range:	0 to 95%, non-condensing
Recommended Storage Temperature | RH Range:	41 to 95°F (5 to 35°C) | 40% to 85% RH, non-condensing
Enclosure Material | Flammability Rating:	PC/ABS (Polycarbonate/ABS Blend) | UL94-V0
Wiring Connections:	2 Position Screw Terminal Block (Not Polarity Sensitive)
Wire Size:	16 to 22 AWG (1.31 mm² to 0.33 mm²) Copper Wires only
Terminal Block Torque Rating:	4.43 to 5.31 in-lbs. (0.5 to 0.6 Nm)
Minimum Mounting Distance:	1" (2.6 cm) between current switch (Relays, Contactors, Transformers)
Agency Approvals [2]:	UL/CUL US Listed (UL 916) Energy Management Equipment (File # E334792), CE, RoHS2, WEEE
Product Weight:	**A/MCS-A:** 0.15 lbs. (0.068 kg) | **A/MSCS-A:** 0.20 lbs. (0.091 kg)
Product Dimensions (L x W x H):	**A/MCS-A (Solid-Core):** 2.510" (63.82 mm) x 0.940" (23.94 mm) x 2.000" (50.80 mm) **A/MSCS-A (Split-Core):** 2.650" (67.19 mm) x 0.940" (23.94 mm) x 2.380" (60.49 mm)

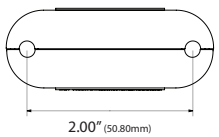
Note[1]: The LED should not be used to determine if current is present. At low currents the LED may not be visible | **Note[2]:** Maximum wire length not to exceed 98.4 Feet (30 meters) in order to meet the CE Requirements

DIMENSIONAL DRAWING

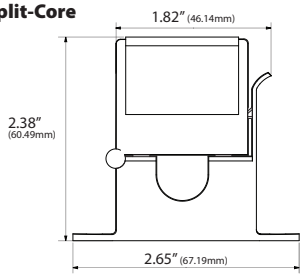
Solid-Core

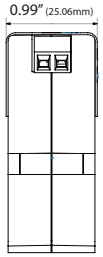


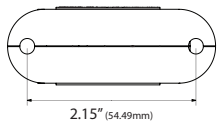




Split-Core







Front View | **Right View** | **Bottom View**

STANDARD ORDERING

Model # Example: A/MCS-A -OR- 117854

Model #	Item #	Trip Point Type	N/O	Solid-Core	Split-Core	Amp Range	Trip Point	Contact Rating
A/MCS-A	117854	Adjustable	•	•		0.32 to 150A	0.32 to 150A	1A @ 36 VAC/VDC
A/MSCS-A	117855	Adjustable	•		•	0.70 to 150A	0.70 to 150A	1A @ 36 VAC/VDC

Note: The Miniature Adjustable Current Switches are not intended to be used in Life / Safety Applications or in Hazardous / Classified Locations

NON-METALLIC BOXES

PS SERIES

DESCRIPTION

The versatile **Altech PS Series non-metallic boxes** are constructed only of flame-resistant materials. Rated for protection mode IP66 (similar to Nema 4X), these boxes give complete protection from dust, water jets, and even temporary flooding. Standard boxes from Kele have knockout side walls, gray bases, and gray covers. Optional fitting plates are available for easy mounting of control components inside the **PS Series**.

Altech Corp.®



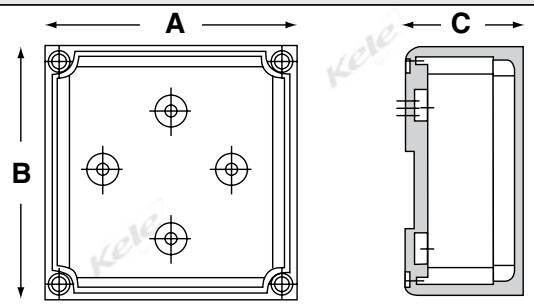
PS1313-7



PS1313-7-T

RoHS

DIMENSIONS



SPECIFICATIONS

Materials of Construction	
Base/Cover/Plate	Polystyrene, impact-resistant, non-flammable Seal Polyurethane
Color	
Box & Cover	Light gray
-T Option	Smoke tinted
Flammability Rating	UL94 V2, 1760°F (960°C)
Temperature Rating	-40° to 158°F (-40° to 70°C)
Knockouts	1/2" NPT (2.3 cm), 3/4" NPT (2.9 cm)

ORDERING INFORMATION

BOX MODEL*	DIMENSIONS A x B x C in (cm)	PANEL PLATE MODEL	DIMENSIONS H x W in (cm)
PS1111-7	4.33 x 4.33 x 2.60 (11.0 x 11.0 x 6.6)	**TK1111**	3.54 x 3.54 (9.0 x 9.0)
PS1111-9	4.33 x 4.33 x 3.54 (11.0 x 11.0 x 9.0)	**TK1111**	3.54 x 3.54 (9.0 x 9.0)
PS1313-7	5.11 x 5.11 x 2.95 (13.0 x 13.0 x 7.5)	**TK1313**	4.33 x 4.33 (11.0 x 11.0)
PS1811-9	7.09 x 4.33 x 3.54 (18.0 x 11.0 x 9.0)	**TK1811**	5.91 x 3.54 (15.0 x 9.0)
PS1818-9	7.09 x 7.09 x 3.54 (18.0 x 18.0 x 9.0)	**TK1818**	5.91 x 5.91 (15.0 x 15.0)
PS2518-9	10.0 x 7.09 x 3.54 (25.4 x 18.0 x 9.0)	**TK2518**	8.66 x 5.91 (22.0 x 15.0)

* Add T to the end of model number for smoke-tinted transparent cover.
Fitting plates are plastic laminate 0.10" (0.25 cm) thick with screws furnished.
Call Kele for other box sizes and options.

PLASTIC ENCLOSURES

14121-000

DESCRIPTION

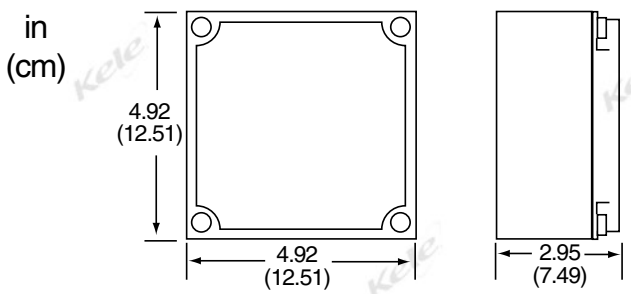
Model 14121-000 enclosures are constructed of impact-resistant polycarbonate and feature a transparent, gasketed cover that keeps out dust and water.



14121-000

RoHS

DIMENSIONS



ORDERING INFORMATION

MODEL	DESCRIPTION
14121-000	Polycarbonate enclosure with transparent cover, 0.53 lb (0.24 kg)

RIB Building Automation

Functional Devices, Inc.
101 Commerce Drive
Sharpsville, IN 46068

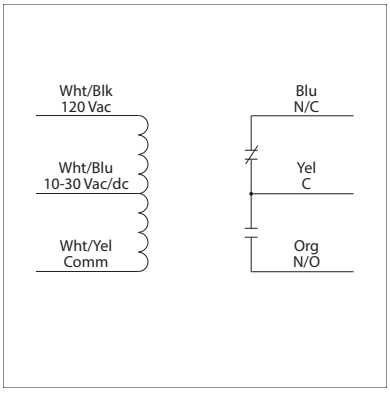
Confidence & Peace of Mind in Every Box™
www.functionaldevices.com
sales@functionaldevices.com

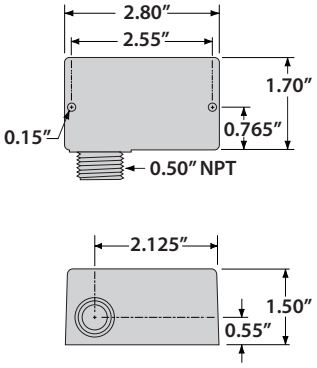
Office: (765) 883-5538
Fax: (765) 883-7505
Toll Free: (800) 888-5538

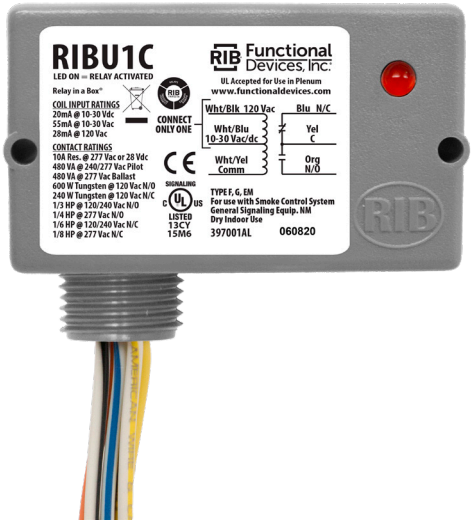
10 AMP PILOT CONTROL RELAY

RIBU1C

Pilot Relay, 10 Amp SPDT, 10-30 Vac/dc/ 120 Vac Coil, NEMA 1 Housing









RIBU1C-N4



RIBU1C-RD

SPECIFICATIONS

 # Relays & Contact Type: One (1) SPDT Continuous Duty Coil
Expected Relay Life: 10 million cycles minimum mechanical
Operating Temperature: -30 to 140° F
Humidity Range: 5 to 95% (noncondensing)
Operate Time: 20ms
Relay Status: LED On = Activated
Dimensions: 1.70"H x 2.80"W x 1.50"D with 0.50" NPT hub
Origin: Made of US and non-US parts
Wires: 16˝, 600V Rated
Approvals: UL Listed, C-UL, CE, RoHS (All models)
UL916 (RIBU1C)
UL864, California State Fire Marshal (RIBU1C-RD)
UL508 (RIBU1C-N4)
Housing Rating: UL Accepted for Use in Plenum, NEMA 1
Gold Flash: Yes
Override Switch: No

Coil Current:
33 mA @ 10 Vac
35 mA @ 12 Vac
46 mA @ 24 Vac
55 mA @ 30 Vac
28 mA @ 120 Vac
13 mA @ 10 Vdc
15 mA @ 12 Vdc
18 mA @ 24 Vdc
20 mA @ 30 Vdc

Note:
Order packs by adding "-10PACK", "-25PACK", or "-100PACK" to end of model number.

Coil Voltage Input:
10-30 Vac/dc ; 120 Vac ; 50-60 Hz
Drop Out = 2.1 Vac / 2.8 Vdc
Pull In = 9 Vac / 10 Vdc

Contact Ratings:
10 Amp Resistive @ 277 Vac
10 Amp Resistive @ 28 Vdc
480 VA Pilot Duty @ 240-277 Vac
480 VA Ballast @ 277 Vac
Not rated for Electronic Ballast
600 Watt Tungsten @ 120 Vac (N/O)
240 Watt Tungsten @ 120 Vac (N/C)
1/3 HP @ 120-240 Vac (N/O)
1/6 HP @ 120-240 Vac (N/C)
1/4 HP @ 277 Vac (N/O)
1/8 HP @ 277 Vac (N/C)

RIB Functional Devices, Inc.

Functional Devices, Inc.
101 Commerce Drive
Sharpsville, IN 46068

Toll-free: (800) 888-5538
Office: (765) 883-5538
Fax: (765) 883-7505

Email: sales@functionaldevices.com
Website: www.functionaldevices.com

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3. TERMS OF PAYMENT: Buyer will pay the fees specified in each invoice provided by Seller in United States Dollars within thirty (30) calendar days after the invoice date unless otherwise agreed to in writing by an authorized representative of Seller. Any amount due under this Agreement that remains unpaid after its due date will bear interest from the date that such payment became delinquent until the date it is paid in full at the lower of 1.5% per month, which equals an annual percentage rate of 18%, or the maximum rate permitted by law. Seller reserves the right to establish, revoke or modify credit terms for Buyer at any time. No discounts are allowed unless otherwise agreed to in writing by an authorized representative of Seller. Buyer will pay any collection fees, legal fees, or court costs incurred by Seller to collect past due amounts. No offsets or setoffs of payments due to Seller hereunder are allowed with respect to any other agreement between the parties. Seller hereby retains a lien on the goods sold for unpaid purchase money as herein provided.

4. TAXES AND OTHER CHARGES: In addition to the prices quoted or invoiced, Buyer will pay any sales tax, excise tax, use tax, value added or consumption tax, customs duty (that is assessed on the delivery of Product(s) to a destination outside of the U.S.A.), fee or charge of any nature whatsoever imposed by any governmental authority on or measured by the transaction between Seller and Buyer. In the event Seller is required to pay any amount, Buyer will reimburse Seller therefore; or provide Seller, at the time the order is submitted, an exemption certificate or other document acceptable to the authority imposing the same. Seller does not accept and will not pay any fines, penalties or chargebacks from Buyer for any reason.

5. DELIVERY, RISK OF LOSS, CLAIMS AND FORCE MAJEURE:

A. All prices quoted for products are Ex-Works (Incoterms 2010) at a shipping facility determined by Seller, unless otherwise noted by Seller ("**Seller's Shipping Facility**"). Risk of loss or damage, and beneficial ownership, of the Products are transferred to Buyer when the Products are made available to Buyer at Seller's Shipping Facility. All delivery dates are approximate.

B. Buyer will only make written claims to Seller for damages, shortages or other delivery errors within seven (7) calendar days after receipt of shipment. All Products received by Buyer, or Buyer's clients, customers, or agents, that are not rejected within such time will be deemed accepted. Failure to provide such written notice constitutes a waiver of all such claims regarding such shipment by Buyer. Buyer will not revoke acceptance.

C. Seller is not liable for any damage as a result of any delay or failure to deliver due to any act of God, act of Buyer, embargo or other governmental act, regulation or request, fire, accident, power outage, strike, civil unrest, weather, slowdown or other labor difficulties, war, riot, act of terrorism, delay in transportation, defaults of common carriers, inability to obtain necessary labor, materials or manufacturing facilities or, without limiting the foregoing, any other delays beyond Seller's control. Buyer's sole and exclusive remedy for any delays or for Seller's inability to deliver Products for any reason, in each case, that persists for more than ninety (90) days, is to cancel the order pursuant to Seller's Order Policies and Guidelines available upon request.

6. WARRANTY; DISCLAIMER. Products are warranted to be free from manufacturing defects under normal use and conditions for five (5) years (the "**Warranty Period**").

The warranty does not apply to: (a) Damage caused by accident, abuse, mishandling, or dropping; (b) Products which have been subjected to unauthorized repair, opened, or taken apart; (c) Products not used in accordance with directions; (d) Damages exceeding the cost of such Product; and (e) Damages caused by lightning, water, or condensation. If warranty service is required during the Warranty Period, and if examination shall disclose to Seller's satisfaction that such Product was originally defective, then Seller will at its option repair or replace the product without charge upon prepaid delivery of such Product to Seller's facility with proof of date of purchase. Corrections of such defects by repair to or supplying of replacements for defective parts shall constitute fulfillment of all obligations of Seller.

Seller shall not be liable for loss, damage, or expense directly or indirectly caused from the failure of Products to perform as expected.

EXCEPT AS SET FORTH HEREIN, SELLER DISCLAIMS ALL REPRESENTATIONS OR WARRANTIES OF ANY KIND WHATSOEVER, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT, FITNESS FOR A PARTICULAR PURPOSE OR ANY WARRANTY ARISING FROM A COURSE OF DEALING OR USAGE OF TRADE. NO PERSON (INCLUDING ANY AGENT, DEALER OR REPRESENTATIVE OF SELLER) IS AUTHORIZED TO MAKE ANY REPRESENTATION OR WARRANTY CONCERNING PRODUCTS EXCEPT TO REFER BUYER TO THIS AGREEMENT. BUYER WARRANTS THAT BUYER HAS NOT RELIED ON ANY OTHER WARRANTIES OR REPRESENTATIONS CONCERNING THE PRODUCTS OR THIS AGREEMENT.
For warranty service, call factory for RA number and send such Product prepared with sales receipt to: FUNCTIONAL DEVICES, INC., 101 COMMERCE DRIVE, SHARPSVILLE, IN 46068.

7. LIMITATION OF LIABILITY: SELLER WILL NOT BE LIABLE FOR ANY LOSS OF PROFIT, INTERRUPTION OF BUSINESS OR ANY OTHER SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES SUFFERED OR SUSTAINED BY BUYER FOR ANY REASON. EXCEPT FOR CLAIMS OF DEATH OR PERSONAL INJURY, IN NO EVENT WILL SELLER'S AGGREGATE LIABILITY TO BUYER ARISING UNDER OR IN ANY WAY RELATED TO THIS AGREEMENT FOR ANY REASON (INCLUDING, BUT NOT LIMITED TO, LIABILITY ARISING FROM NEGLIGENCE OR ON THE BASIS OF STRICT LIABILITY, OR OTHERWISE) EXCEED THE TOTAL AMOUNT PAID BY BUYER TO SELLER HEREUNDER FOR ANY PRODUCT GIVING RISE TO A CLAIM UNDER THIS AGREEMENT.

8. RETURNS: Unless otherwise approved by Seller in writing in its sole discretion, except in the case of a non-conforming shipment or a warranty issue, Buyer may not return Products. If Seller approves the return of Products pursuant to the preceding sentence, such returned Products must be returned within ninety (90) days from date of invoice and will be subject to a 25% restocking fee. An exception to this policy, would be our inverter line which has a 45 day from date of invoice return policy subject to a 25% restocking fee. In the event of a non-conforming shipment or a warranty issue, Buyer may return Products, but only if Buyer first: (a) provides notice to Seller as required in this Agreement, (b) obtains prior authorization from Seller, and (c) all Products or containers for which return is properly authorized have been marked with a return authorization number supplied by Seller. Buyer will make all returns via a traceable form such as Federal Express, UPS or insured mail and in resalable condition. Buyer will pay all return shipping charges and any other charges associated therewith.

9. CANCELLATIONS: Cancellation or deferment of all or part of an order is subject to acceptance by the Seller. If accepted, any reduction in quantity of any item to less than 85% of the original item quantity is subject to a 15% cancellation charge. If an order cancellation is accepted, the Buyer will make delivery and pay for all material manufactured and in stock or in process at time of notice for such order, and for any special materials on orders for which the Seller must take delivery.

10. EXPORTS. Buyer agrees that it will comply with any and all U.S. Export Controls and will not pay for, resell, transfer or knowingly sell Products in violation of U.S. Export Controls. If Buyer resells Products within or exports Products to a country or region which imposes upon Seller and/or Buyer an obligation to fund or undertake reuse, recycling, composting, recovery of Products, or any similar obligation (e.g., the European Union's Waste Electrical and Electronic Equipment Directive, EC 2002/96/EC) (the "**Obligations**"), Buyer shall wholly undertake the Obligations or duties and shall be entirely responsible for all associated costs therewith. Seller shall have no obligation to reimburse Buyer for execution of the Obligations. In the event that Seller is named in a proceeding based upon the Obligations, Buyer shall indemnify, defend and hold Seller harmless from all actions related thereto, including all civil and governmental actions.

11. MISCELLANEOUS. This Agreement is governed by the laws of the State of Indiana, without giving effect to its conflict of laws principles. Buyer hereby irrevocably consents and submits to the exclusive jurisdiction and venue of the state and federal courts in Marion County, Indiana. The United Nations Convention for Contracts for the International Sale of Goods is explicitly excluded. Each provision contained in this Agreement constitutes a separate and distinct provision severable from all other provisions. If any provision (or any part thereof) is unenforceable under or prohibited by any present or future law, then such provision (or part thereof) will be amended, and is hereby amended, so as to be in compliance with such law, while preserving to the maximum extent possible the intent of the original provision. Any provision (or part thereof) that cannot be so amended will be severed from this Agreement; and, all the remaining provisions of this Agreement will remain unimpaired. No modification, addition or deletion, or waiver of any rights under this Agreement is binding on a party unless made in a non-preprinted agreement clearly understood by the parties to be a modification or waiver, and signed by a duly authorized representative of each party.

3BA1300

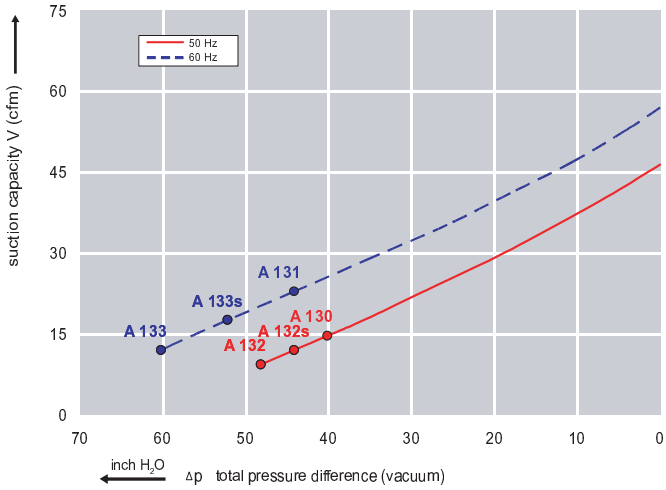
Vacuum/Pressure Regenerative Blower



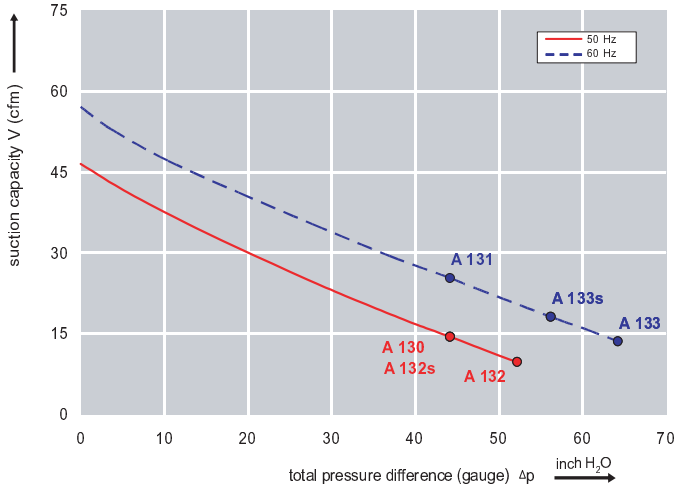
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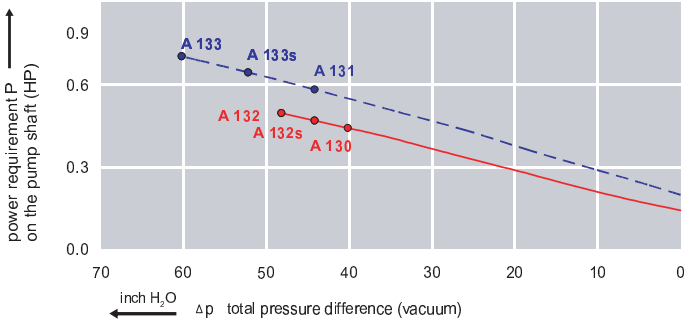
- Cooler running, outboard bearing provides maintenance-free operation
- Environmentally friendly oil-free technology
- Extremely quiet operation
- All motors are standard TEFC with Class F insulation, UL recognized, CE Compliant
  Explosion-Proof motors available
- Custom construction blowers are available
- Rugged die cast aluminum construction

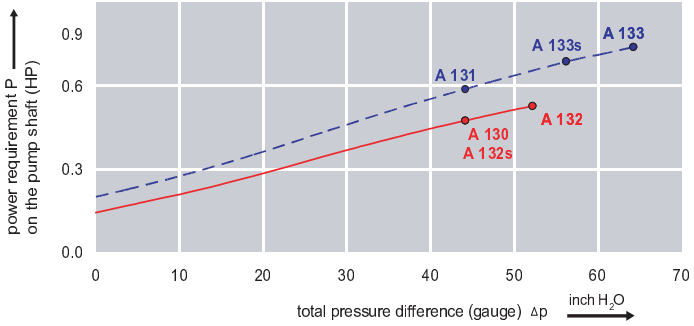
Performance curve for Vacuum pump

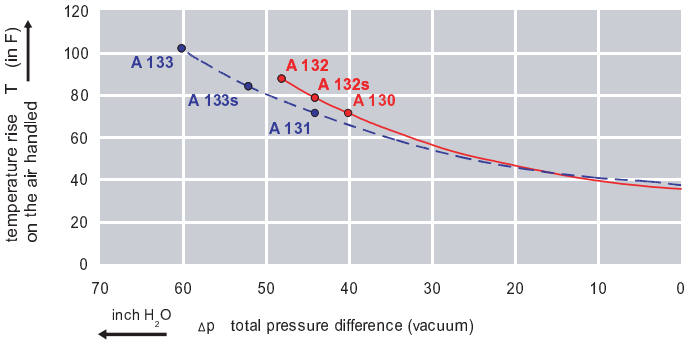


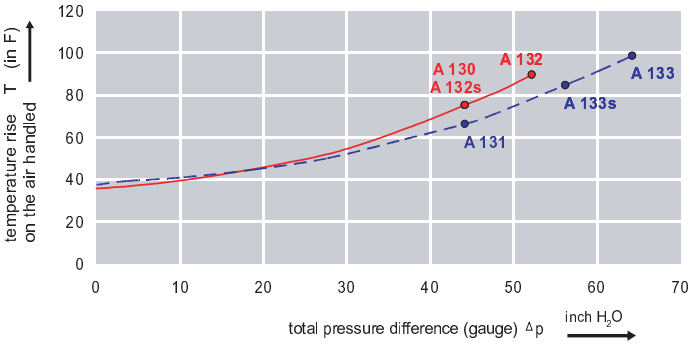
Performance curve for Compressor











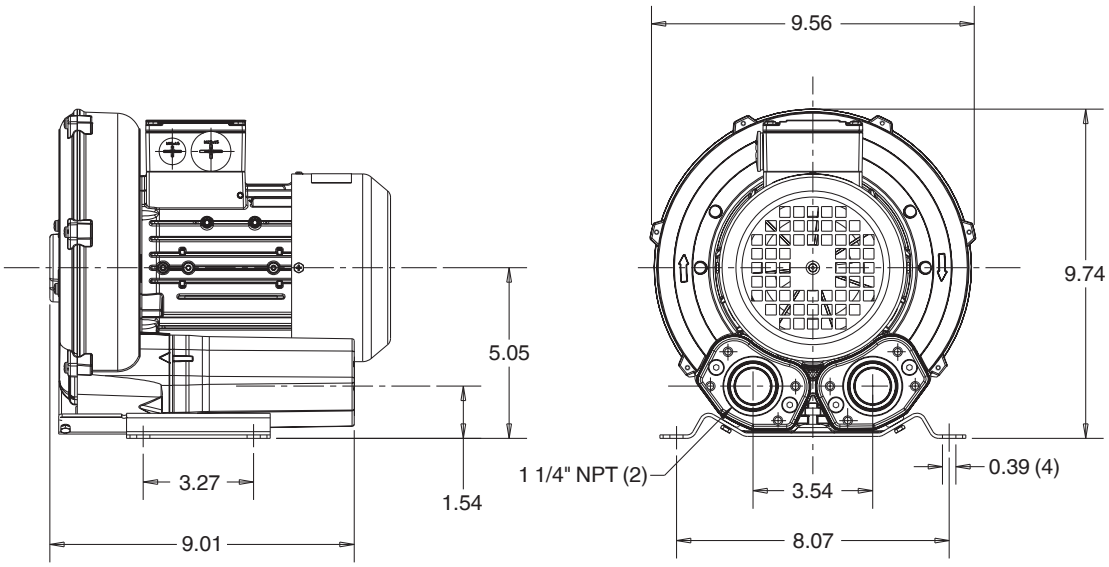
AIRTECH VACUUM
RUTHERFORD, NJ 07070
WWW.AIRTECHUSA.COM
TEL: (888) 222-9940 FAX: (201) 569-1696

AIRTECH® VACUUM

3BA1300

Vacuum/Pressure Regenerative Blower

Dimensions: (inches)



Recommended Accessories:

Relief valve:

VC51Z (Vacuum)

PC51Z (Pressure)

Filter:

ATF-125-1337 (Vacuum)

AFS-20-125-10 (Pressure)

Specifications subject to change without notice. Please contact factory for specification updates.

Selection & Ordering Data - Type 3BA1300

Curve No.	Order No.	Frequency Hz	Rated power HP	Input voltage V		Input current A		Permissible total differential pressure Vacuum inch H2O	Permissible total differential pressure Compressor inch H2O	Sound pressure level dB(A)	Weight lbs
3~ 50/60 Hz IP55 insulation material class F											
A 130	3BA1300-7AT06	50	0.34	200D ... 240D	345Y ... 415Y	2.1D	1.2 Y	-40	44	53	18
A 131	3BA1300-7AT06	60	0.39	220D ... 250D	415Y ... 460Y	1.74D	1.0 Y	-44	44	56	18
A 132	3BA1300-7AT16	50	0.54	200D ... 240D	345Y ... 415Y	2.6D	1.5 Y	-48	52	53	22
A 133	3BA1300-7AT16	60	0.67	220D ... 250D	415Y ... 460Y	2.6D	1.5 Y	-60	64	56	22
1~ 50/60 Hz IP55 with attached capacitor for continuous operation											
A 132s	3BA1300-7AS15	50	0.50	115	230	5.4	2.7	-44	44	53	22
A 133s	3BA1300-7AS15	60	0.60	115	230	6.0	3.0	-52	56	56	22

Suitable for 208 Volt Operation

All curves are rated at 14.7 psia and 68° F ambient conditions and are reported in SCFM referenced to 68° F and 14.696 psia sea level conditions. Curve values are nominal, actual performance may vary by up to 10% of the values indicated. For inlet temperatures above approximately 80 °F or for handling gases other than air, please contact your Airtech sales representative for assistance.

AIRTECH® VACUUM

3BA1400

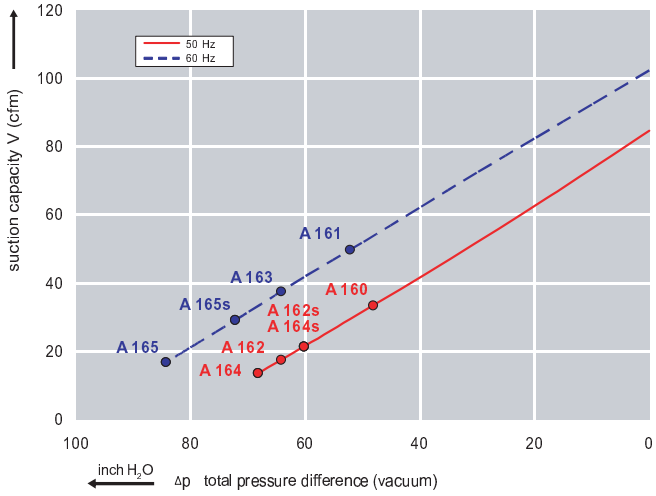
Vacuum/Pressure Regenerative Blower



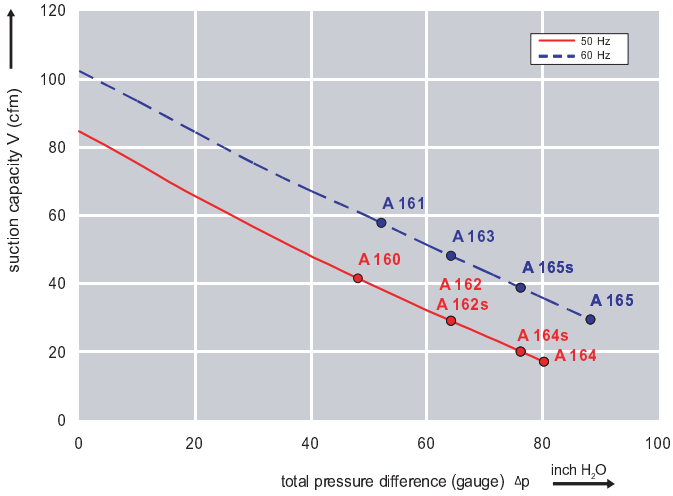
Features:

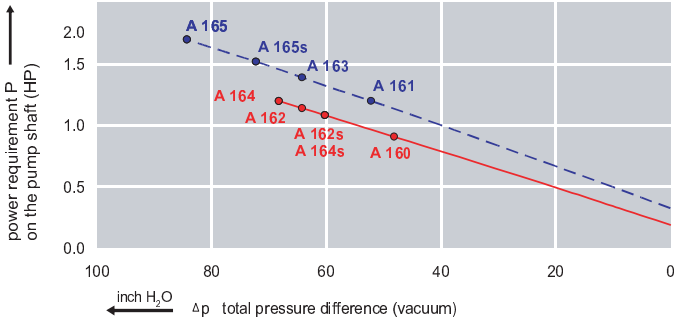
- Cooler running, outboard bearing provides maintenance-free operation
- Environmentally friendly oil-free technology
- Extremely quiet operation
- All motors are standard TEFC with Class F insulation, UL recognized, CE Compliant
  Explosion-Proof motors available
- Custom construction blowers are available
- Rugged die cast aluminum construction

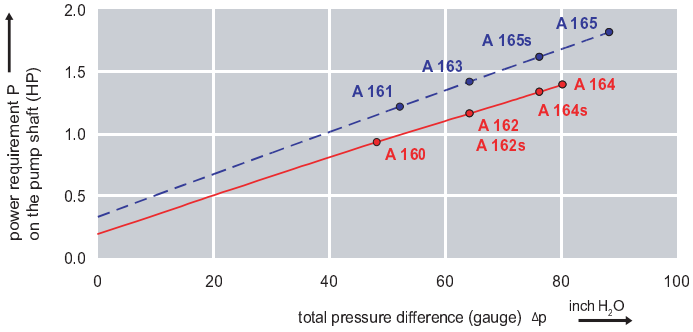
Performance curve for Vacuum pump

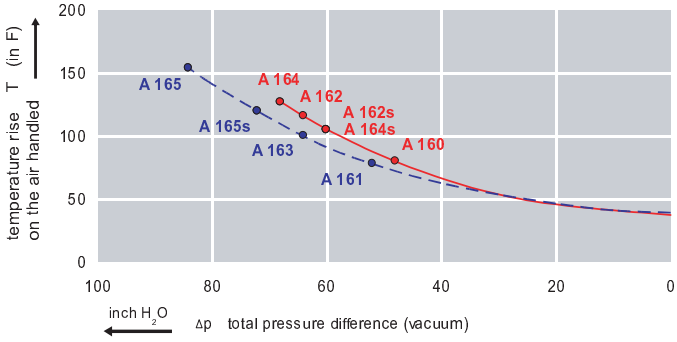


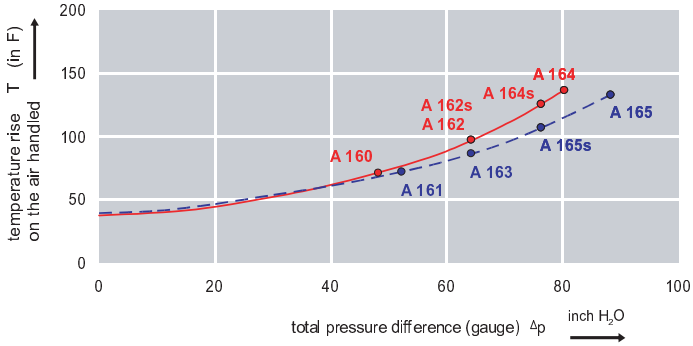
Performance curve for Compressor









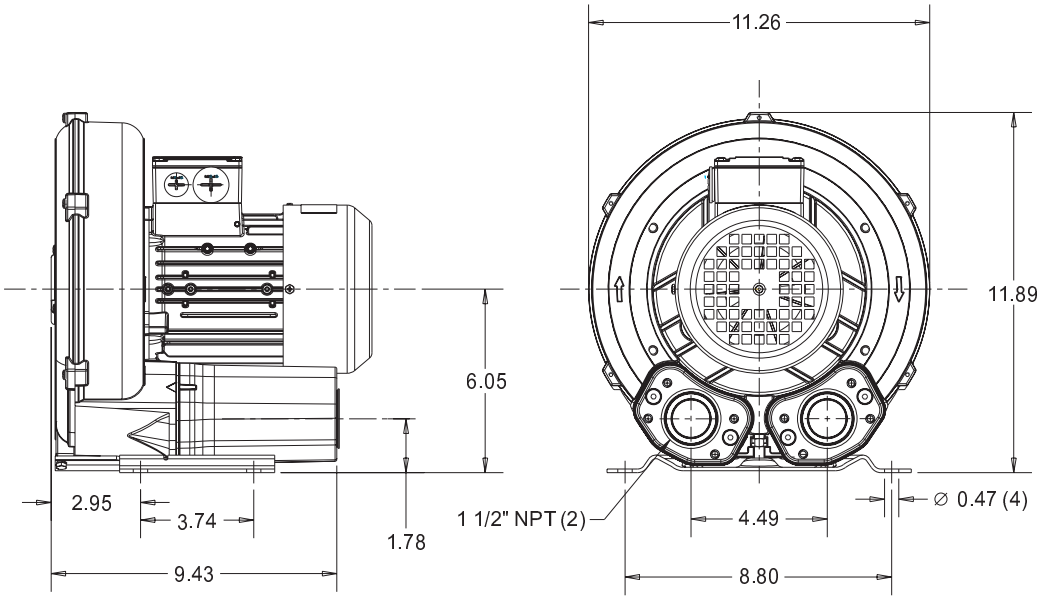


AIRTECH® VACUUM

3BA1400

Vacuum/Pressure Regenerative Blower

Dimensions: (inches)



Recommended Accessories:

Relief valve:

VC51Z (Vacuum)

PC51Z (Pressure)

Filter:

ATF-150-1337 (Vacuum)

AFS-20-150-10 (Pressure)

Specifications subject to change without notice. Please contact factory for specification updates.

Selection & Ordering Data - Type 3BA1400

Curve No.	Order No.	Frequency Hz	Rated power HP	Input voltage V		Input current A		Permissible total differential pressure Vacuum inch H2O	Permissible total differential pressure Compressor inch H2O	Sound pressure level dB(A)	Weight lbs
3~ 50/60 Hz IP55 insulation material class F											
A 160	3BA1400-7AT06	50	0.94	200D ... 240D	345Y ... 415Y	3.8 D	2.2 Y	-48	48	63	29
A 161	3BA1400-7AT06	60	1.11	220D ... 250D	415Y ... 460Y	3.75D	2.15Y	-52	52	64	29
A 162	3BA1400-7AT16	50	1.14	200D ... 240D	345Y ... 415Y	4.2 D	2.4 Y	-64	64	63	33
A 163	3BA1400-7AT16	60	1.27	220D ... 250D	415Y ... 460Y	4.0 D	2.3 Y	-64	64	64	33
A 164	3BA1400-7AT26	50	1.74	200D ... 240D	345Y ... 415Y	5.7 D	3.3 Y	-68	80	63	35
A 165	3BA1400-7AT26	60	2.01	220D ... 250D	415Y ... 460Y	5.5 D	3.2 Y	-84	88	64	35
1~ 50/60 Hz IP55 with capacitor for continuous operation											
A 164s	3BA1400-7AS25	50	1.47	115	230	13	6.5	-60	76	63	35
A 165s	3BA1400-7AS25	60	1.74	115	230	14	7.0	-72	76	64	35

Suitable for 208 Volt Operation

All curves are rated at 14.7 psia and 68° F ambient conditions and are reported in SCFM referenced to 68° F and 14.696 psia sea level conditions. Curve values are nominal, actual performance may vary by up to 10% of the values indicated. For inlet temperatures above approximately 80 °F or for handling gases other than air, please contact your Airtech sales representative for assistance.

Brad Koontz

From: Stephen Galley <sgalley@energymachinery.com>
Sent: Friday, May 8, 2026 3:44 PM
To: Brad Koontz
Subject: RE: Quote 164893 airtech blower - PREPAYMENT EM SO 164893
Attachments: 3ba1400-data.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Brad,
Here is the estimated information on the standard model 3BA1400-7AT26 BLOWER 2.01HP.

10-15 DAYS TO SHIP
2-3 DAYS TO ARRIVE AT SITE

Thank you,
Stephen Galley, Parts Manager
Energy Machinery Inc
10 Reservoir Park Drive, Rockland MA 02370
Tel: 781-871-6220 ext.3029
Email: sgalley@energymachinery.com

APPENDIX D

PHOTOGRAPH LOG

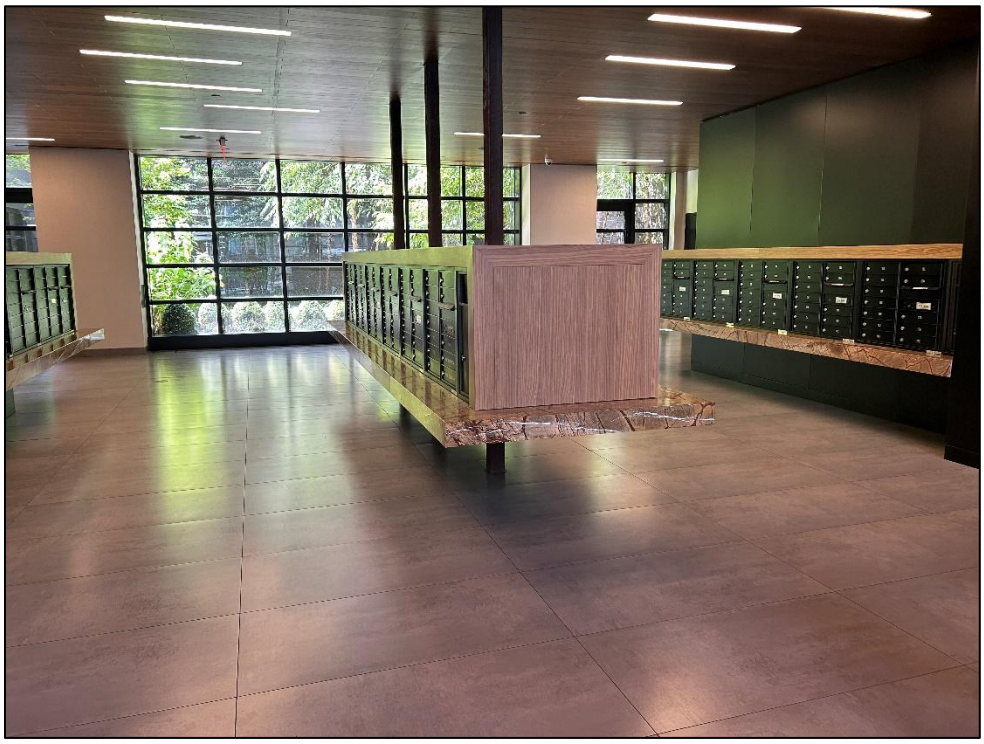


Photo 1, 08/28/2025: View of main lobby and composite cover (facing north).



Photo 2, 08/28/2025: View of functioning alarm panel of the south SMD blower (facing northwest).



Photo 3, 08/28/2025: View of blower units on roof (facing northwest).



Photo 4, 08/28/2025: View of vacuum gauge connected to roof blower (facing east).



Photo 5, 08/28/2025: View of filter attached to south SMD blower (facing south).

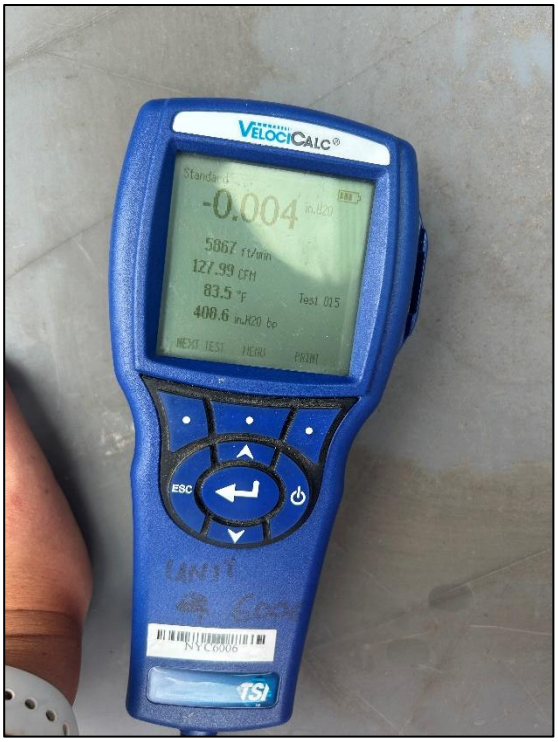


Photo 6, 08/28/2025: View of flow readings collected from the south blower (facing northwest).



Photo 7, 08/28/2025: View of photoionization detector (PID) readings collected from the south blower (facing northwest).

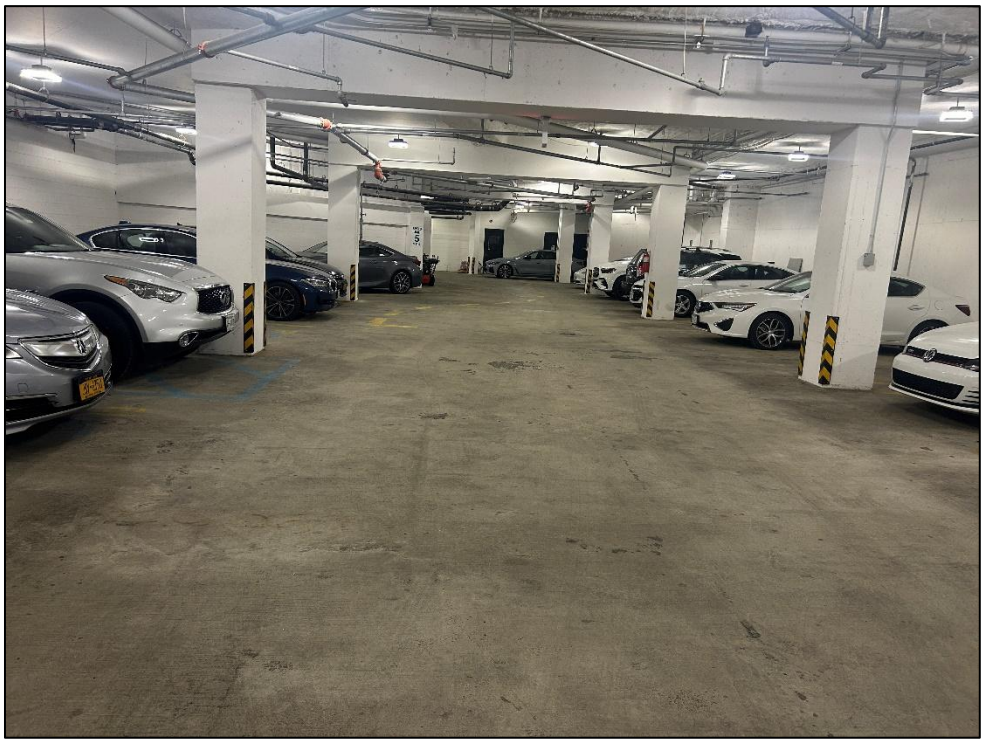


Photo 8, 08/28/2025: View of concrete building slab composite cover in ventilated parking garage (facing east).

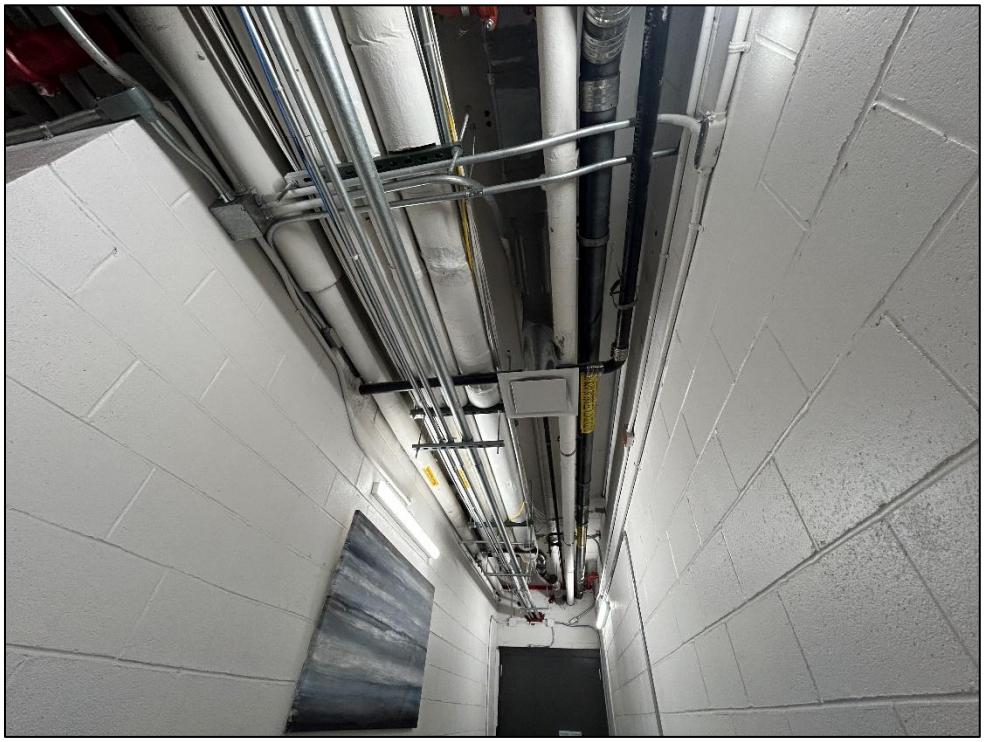


Photo 9, 08/28/2025: View of labeled SMD piping in the hallway (facing north).



Photo 10, 08/28/2025: View of composite cover in pool storage room (facing south).

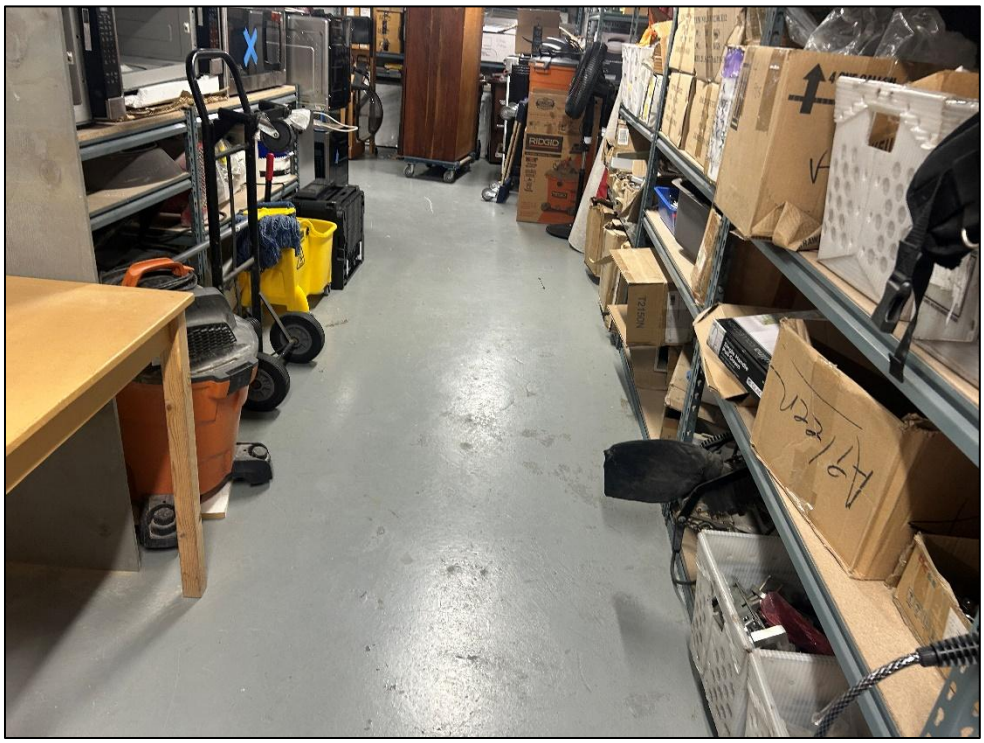


Photo 11, 08/28/2025: View of composite cover in supply room (facing north).



Photo 12, 08/28/2025: View of SMD riser behind maintenance hallway wall panel (facing north).

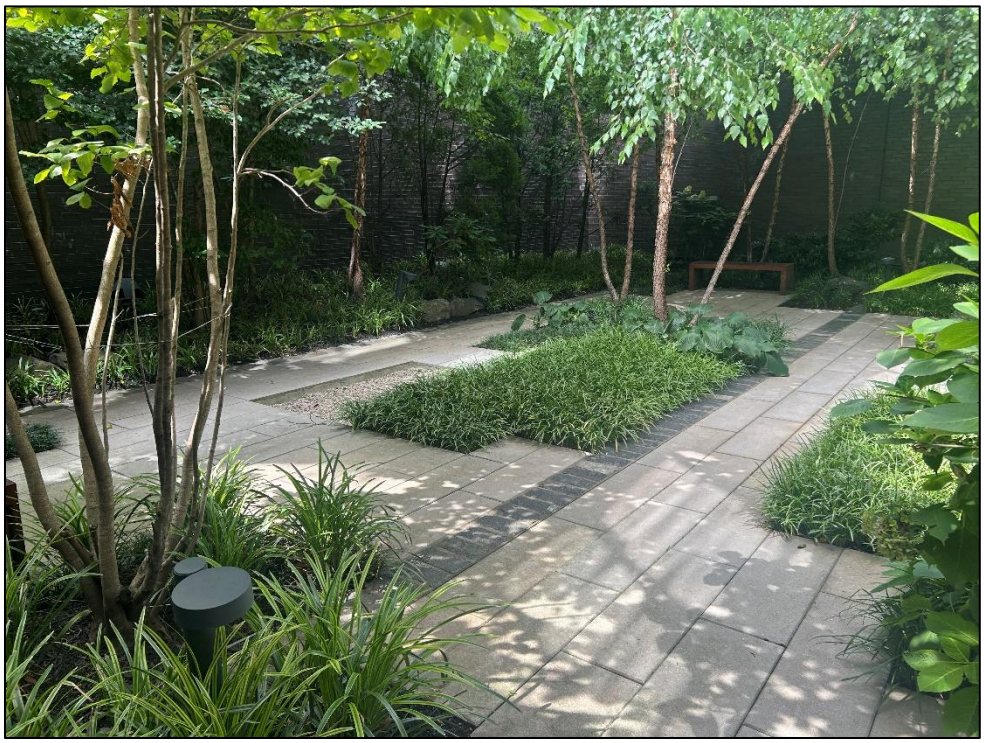


Photo 13, 08/28/2025: View of landscaping and composite cover in courtyard (facing northwest).

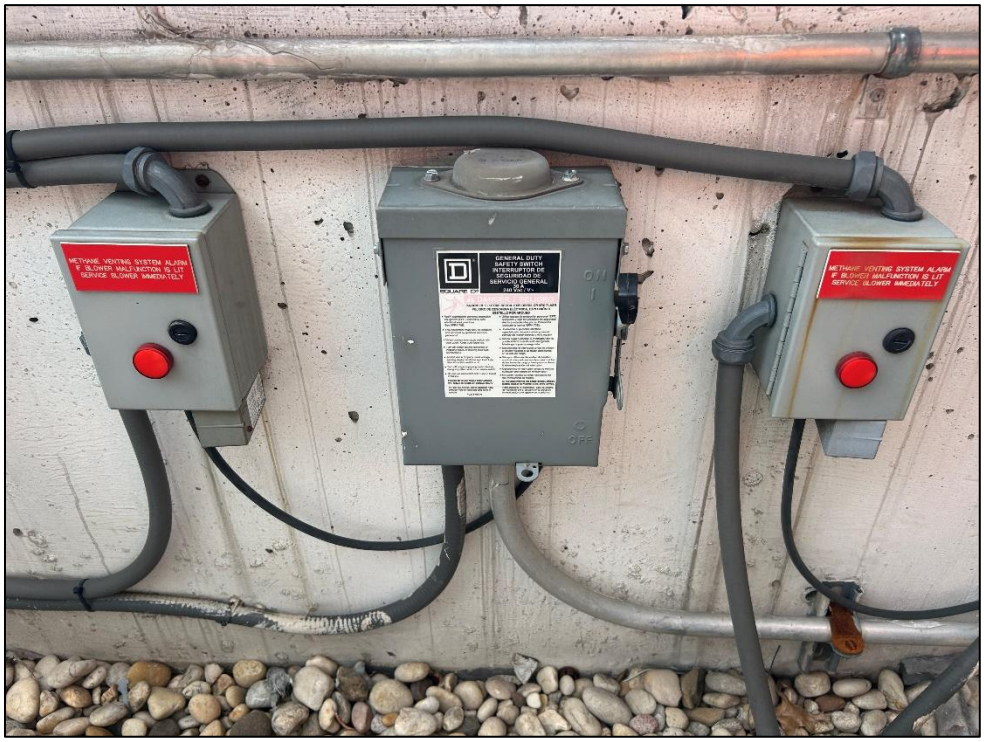


Photo 14, 08/28/2025: View of SMD system breaker and alarm panels (facing west).



Photo 15, 10/17/2025: View of indoor air screening inside the Leasing Office (facing north).



Photo 16, 10/30/2025: View of indoor air sampling inside the Leasing Office (facing south).



Photo 17, 10/30/2025: View of chemical inventory collection (facing northeast).



Photo 18, 3/4/2026: View of soil vapor sample collection (facing west).



Photo 19, 5/12/2026: View of the pressure switch and remote alarm transmitter on the building roof (facing west).



Photo 20, 5/12/2026: View of the remote alarm gateway installed within the building (facing northeast).

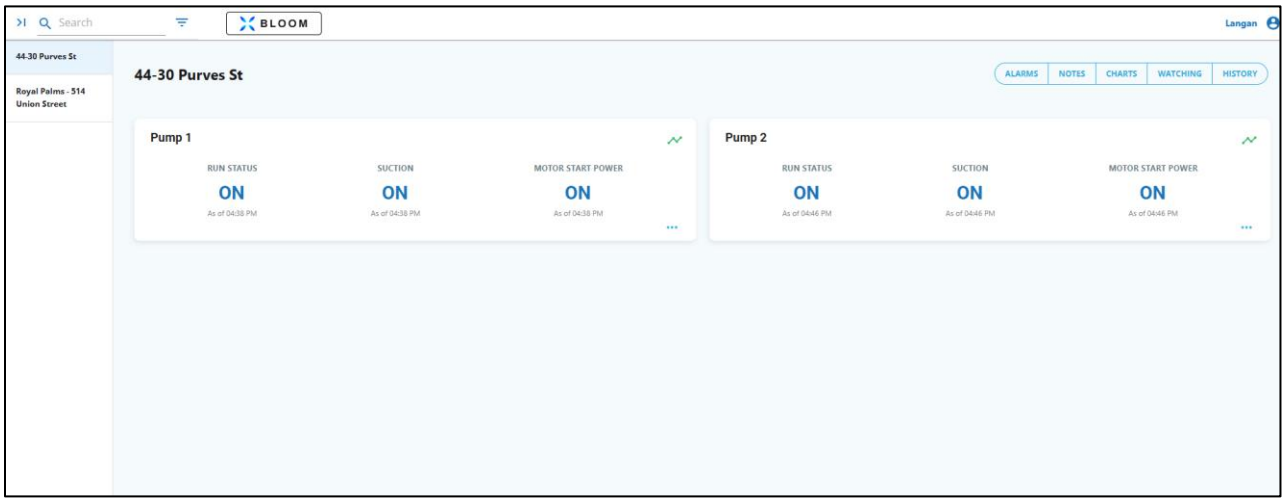
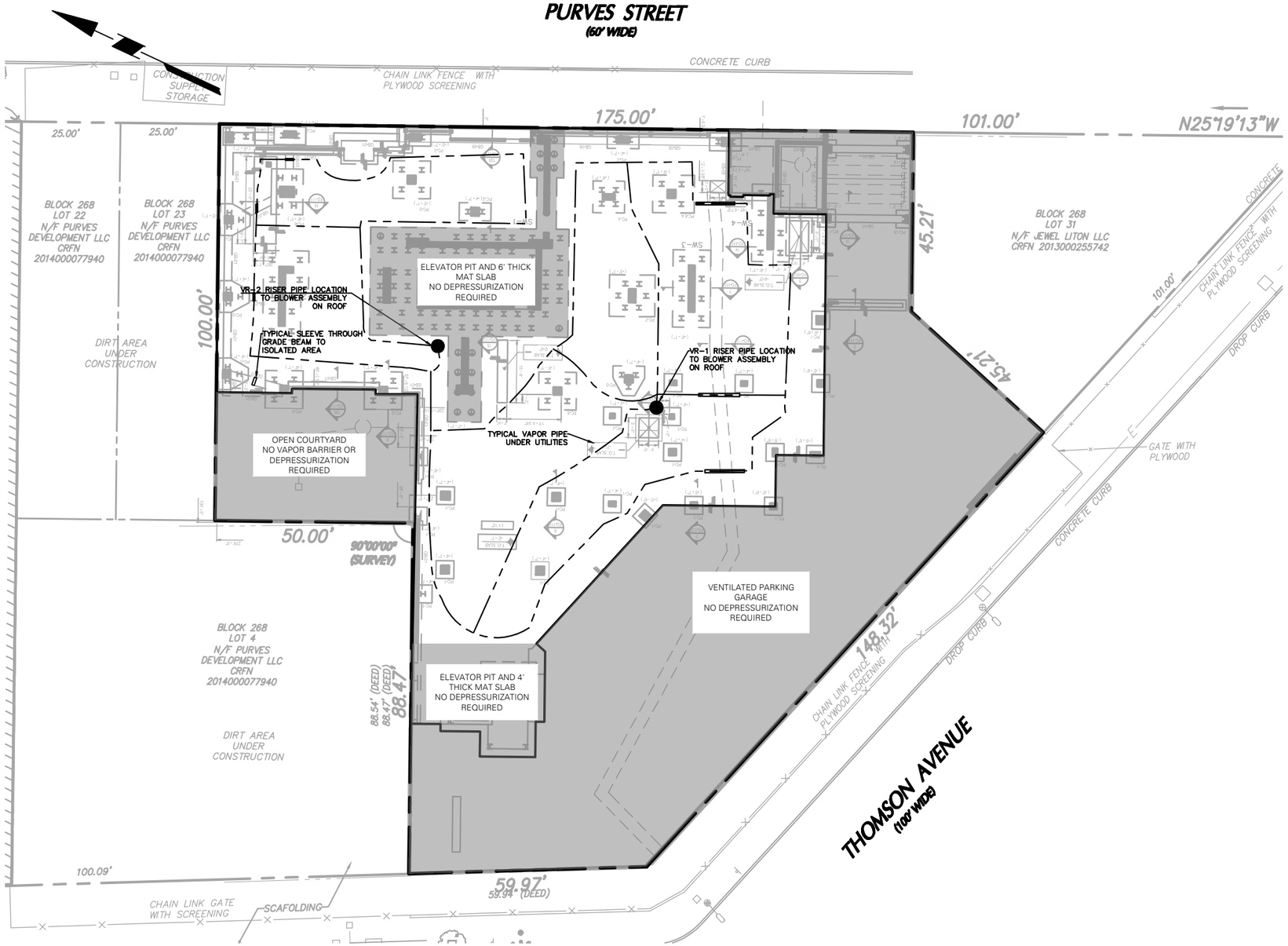


Photo 21, 5/12/2026: View remote alarm online viewer.

APPENDIX E

AS-BUILT SMD SYSTEM DRAWINGS



GENERAL NOTES:

1. BASE MAPS TAKEN FROM FXFOWLE, "FOUNDATION PLAN BUILDING A, FO-101.00", DATED MAY 12, 2014, REVISED JULY 30, 2015, AND MAY 21, 2015 SURVEY BY LANGAN.
2. VAPOR BARRIER EXTENDS BELOW THE FOOTPRINT AND ALONG THE VERTICAL WALLS OF DEPRESSED FOUNDATION MAT AND SLABS, AS NOTED IN THE DRAWING. VAPOR BARRIER INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
3. VAPOR COLLECTION PIPE RUNS ARE APPROXIMATE. PIPE LOCATIONS ARE SHOWN IN AS-BUILT DRAWING INCLUDED IN APPENDIX Q OF THE NOVEMBER 13, 2015 FINAL ENGINEERING REPORT.
4. AS-BUILT LOCATIONS MEASURED FROM FIXED BUILDING ELEMENTS AND ARE APPROXIMATE.
5. THE DEEP ELEVATOR PIT AND SHEAR WALL PILE CAP ARE NOT DEPRESSURIZED BECAUSE IT IS A 6-FOOT THICK CONCRETE MAT AND WATERPROOFED IN ACCORDANCE WITH THE FOUNDATION DRAWINGS AND SPECIFICATIONS.
6. THE WATERPROOFING BENEATH THE SHEAR WALL PILE CAP, DEEP ELEVATOR PIT, AND ANY OTHER WATERPROOFED FOUNDATION ELEMENT, ARE MARRIED TO THE VAPOR BARRIER MEMBRANE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
7. SLEEVES THROUGH GRADE BEAMS WERE DESIGNED BY OTHERS.
8. SMD = SUBMEMBRANE DEPRESSURIZATION

LEGEND:

- PROPERTY BOUNDARY
- VAPOR BARRIER EXTENTS
- SMD VAPOR COLLECTION PIPING
- SLEEVE THROUGH GRADE BEAM FOR VAPOR COLLECTION PIPE
- APPROXIMATE VERTICAL RISER PIPE LOCATION (UP)

LANGAN
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

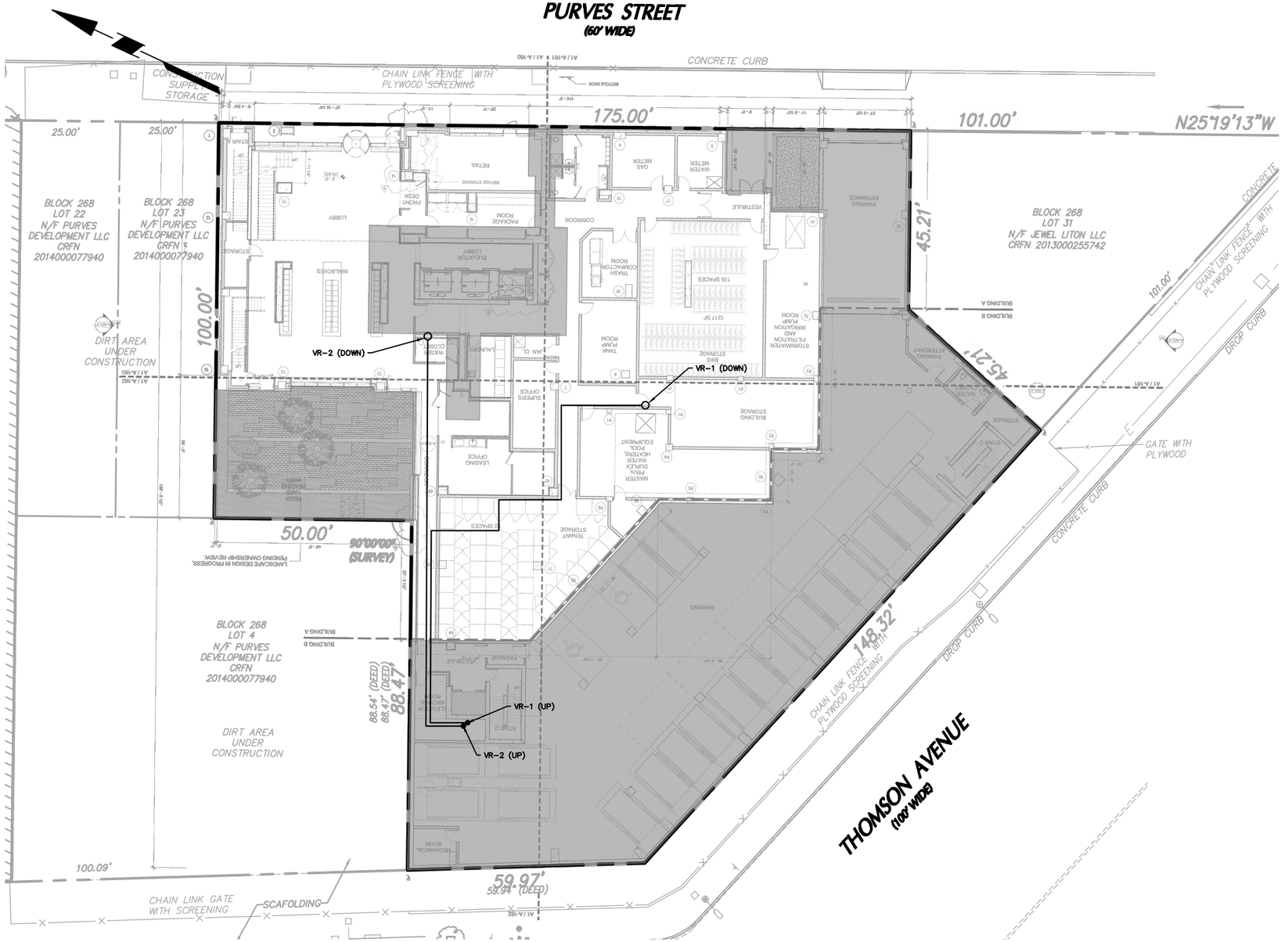
Project
44-30 PURVES STREET
BLOCK No. 268, LOT No. 1
QUEENS NEW YORK

Figure Title
SMD SYSTEM LAYOUT - SUBSURFACE

Project No. 170282501	Figure No. A-100.00
Date 01/21/2026	
Drawn By SW	
Checked By BK	Sheet 1 of 5

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Filename: \\langan.com\data\NY\data5\170282501\Cadd Data - 170282501\SheetFiles\Environmental\Annual Certifaction PRR\A-100.00 - SMD System Layout - Subsurface.dwg Date: 1/21/2026 Time: 13:54 User: swalters Style Table: Langan.stb Layout: A-100.00



GENERAL NOTES:

1. BASE MAPS TAKEN FROM FXFOWLE, "FOUNDATION PLAN BUILDING A, FO-101.00", DATED MAY 12, 2014, REVISED JULY 30, 2015, AND MAY 21, 2015 SURVEY BY LANGAN.
2. AS-BUILT LOCATIONS MEASURED FROM FIXED BUILDING ELEMENTS AND ARE APPROXIMATE.
3. SMD = SUBMEMBRANE DEPRESSURIZATION

LEGEND:

- PROPERTY BOUNDARY
- VR-1 (DOWN) — APPROXIMATE VERTICAL RISER PIPE LOCATION (DOWN)
- VR-1 (UP) — APPROXIMATE VERTICAL RISER PIPE LOCATION (UP)
- 4-INCH DIAMETER CAST IRON RISER PIPING

30 0 15 30
SCALE IN FEET

LANGAN
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

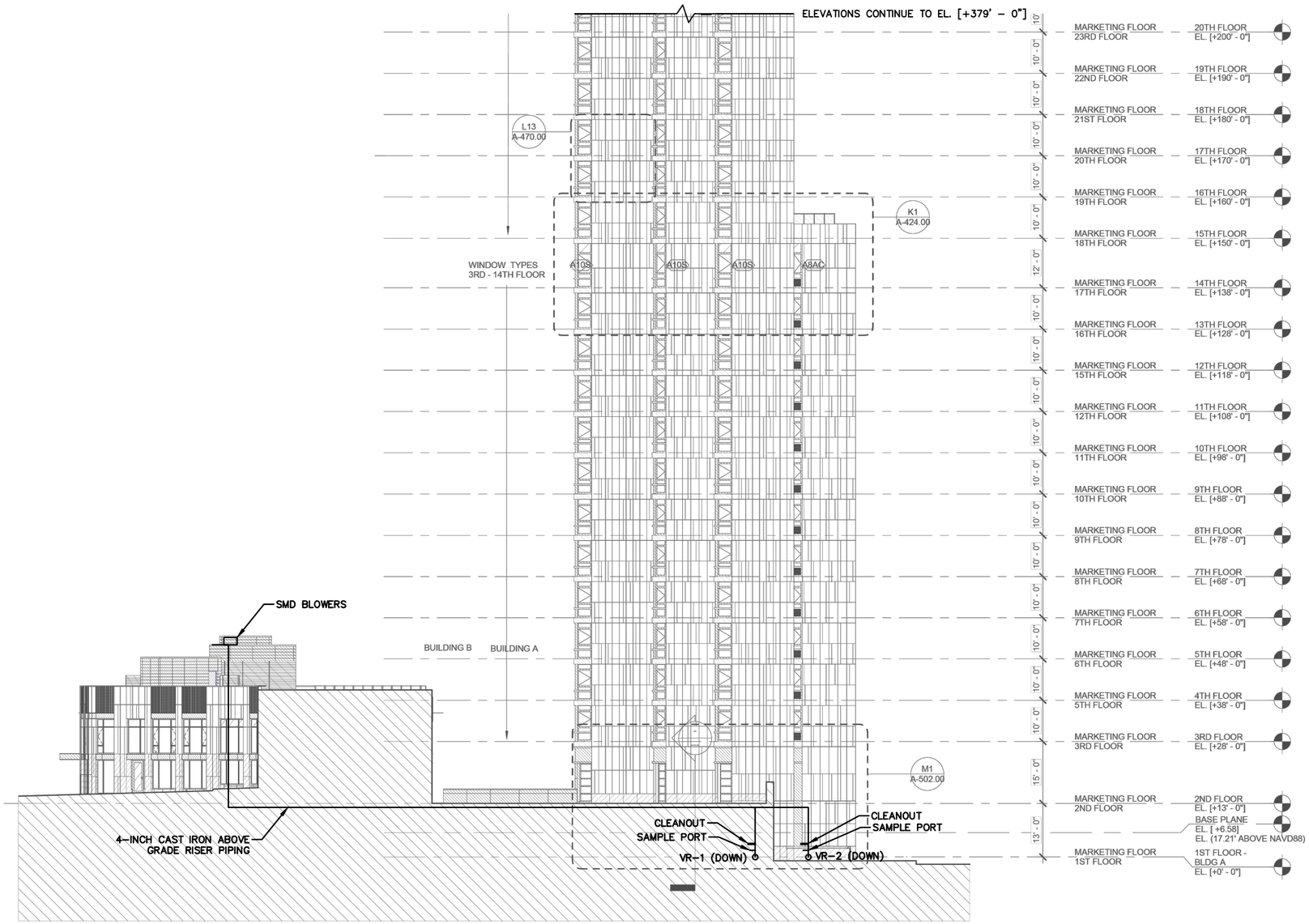
Project
44-30 PURVES STREET
BLOCK No. 268, LOT No. 1
QUEENS NEW YORK

Figure Title
SMD SYSTEM LAYOUT - SUBSURFACE

Project No. 170282501	Figure No. A-101.00
Date 01/21/2026	
Drawn By SW	
Checked By BK	Sheet 2 of 5

© 2026 Langan

Filename: \\langan.com\data\NY\data5\170282501\Cadd Data - 170282501\SheetFiles\Environmental\Annual Certifaction PRR\A-101.00 - SMD System Layout - First Floor.dwg Date: 1/21/2026 Time: 13:55 User: swalters Style Table: Langan.stb Layout: A-101.00



SOUTH BUILDING SECTION ELEVATIONS

GENERAL NOTES:

1. BASE MAPS TAKEN FROM FXFOWLE, "BUILDING ELEVATIONS, A-402.01.00", DATED AUGUST 20, 2015.
2. ALL ELEVATIONS GIVEN THUS [ ] ARE GIVEN IN RELATION TO DATUM [+ 0'-0"] = 10.63' WHICH REFERS TO DATUM USED BY THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY.
3. AS-BUILT LOCATIONS MEASURED FROM FIXED BUILDING ELEMENTS AND ARE APPROXIMATE.
4. SMD = SUBMEMBRANE DEPRESSURIZATION

LEGEND:

○ APPROXIMATE VERTICAL RISER PIPE LOCATION (DOWN)

——— 4-INCH DIAMETER CAST IRON SMD PIPING

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

LANGAN
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

Project
44-30 PURVES STREET
BLOCK No. 268, LOT No. 1
QUEENS NEW YORK

Figure Title
SMD SYSTEM LAYOUT - ELEVATIONS

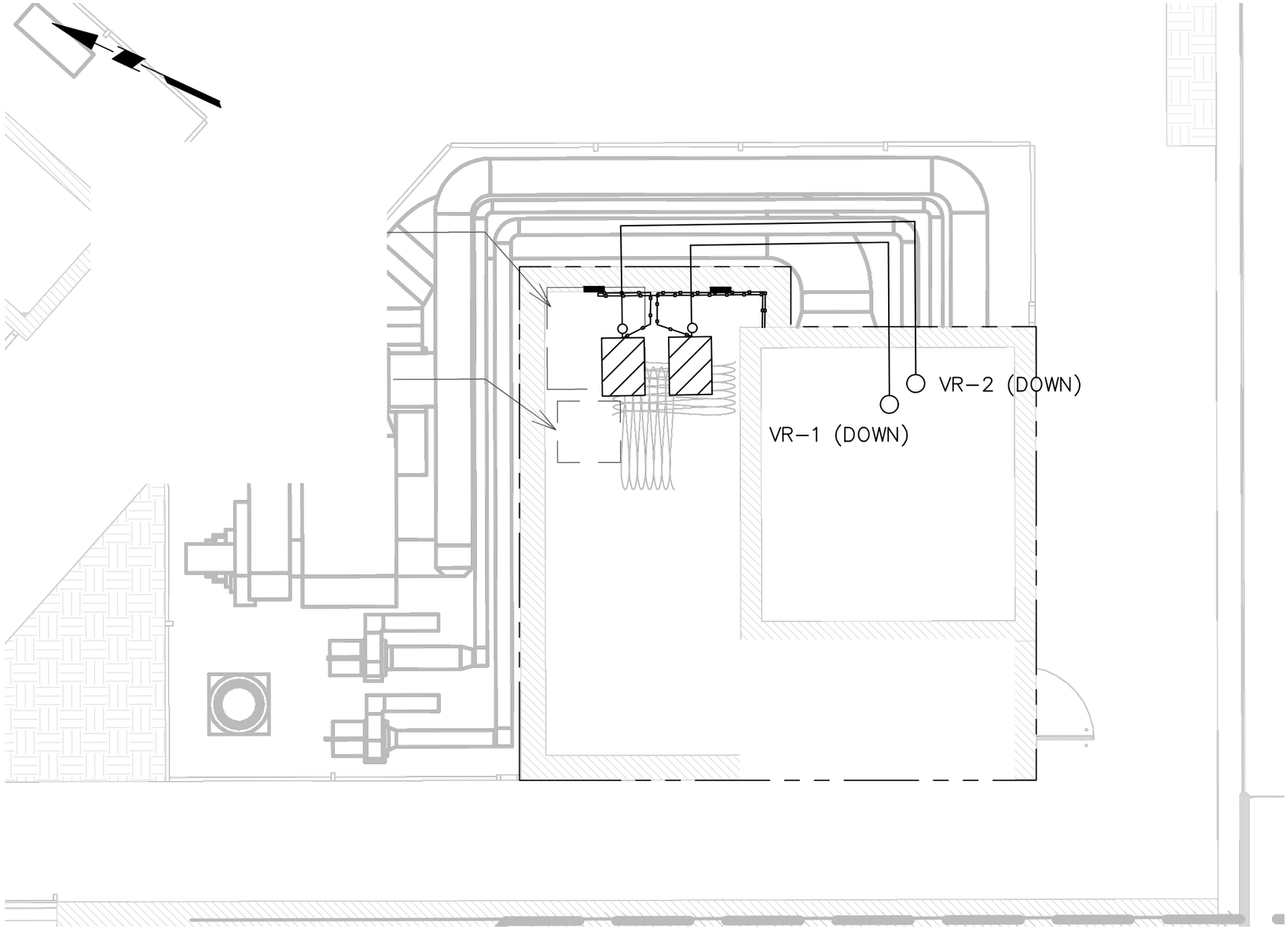
Project No.	170282501
Date	01/21/2026
Drawn By	SW
Checked By	BK

Figure No. **A-102.00**

Sheet 3 of 5

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Filename: \\langan.com\data\NY\data5\170282501\Cadd Data - 170282501\SheetFiles\Environmental\Annual Certifaction PRR\A-102.00 - SMD System Layout - Elevations.dwg Date: 1/21/2026 Time: 13:56 User: swalters Style Table: Langan.stb Layout: A-102.00



ROOF PLAN (N.T.S.)

LEGEND:

- APPROXIMATE BULKHEAD EXTENTS
- VR–1 (DOWN) — APPROXIMATE VERTICAL RISER PIPE LOCATION (DOWN)
- 2-INCH DIAMETER METAL RISER PIPING
- ELECTRICAL CONNECTION
- VACUUM GAUGE
- ALARM INSTRUMENTATION ENCLOSURE
- SMD BLOWER

GENERAL NOTES:

1. BASE MAPS TAKEN FROM FXFOWLE, "ROOF MECHANICAL HVAC PLANS - BUILDING B, M-102.01", DATED OCTOBER 9, 2015.
2. AS-BUILT LOCATIONS MEASURED FROM FIXED BUILDING ELEMENTS AND ARE APPROXIMATE.
3. SMD = SUBMEMBRANE DEPRESSURIZATION

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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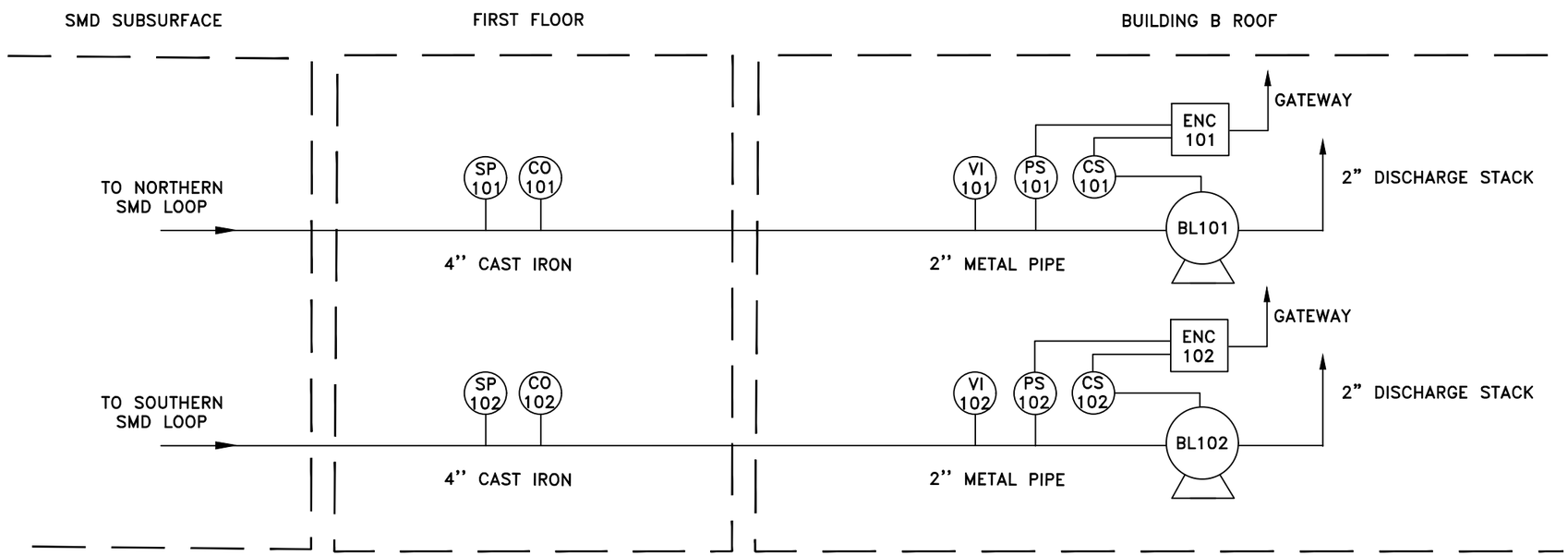
Project
44-30 PURVES STREET
BLOCK No. 268, LOT No. 1
QUEENS NEW YORK

Figure Title
SMD SYSTEM LAYOUT - ROOF PLAN

Project No. 170282501	Figure No. A-103.00
Date 05/13/2026	
Drawn By SW	
Checked By BK	Sheet 4 of 5

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INSTRUMENTATION SCHEDULE		
INSTRUMENT	SYMBOL	MODEL
BLOWER	BL101	AIRTECH 3BA1400
	BL102	AIRTECH 3BA1300
VACUUM INDICATOR	VI101	WEISS 0–100 IWC
	VI102	
PRESSURE SWITCH	PS101	JC P32AC–1C
	PS102	
CURRENT SWITCH	CS101	ACI A/MSCS–A
	CS102	
ENCLOSURE	ENC101	NEMA4 Enclosure
	ENC102	
GATEWAY	–	LoRa Gateway

LEGEND:

AI	ALARM INDICATOR
PS	PRESSURE SWITCH
CS	CURRENT SWITCH
ENC	ENCLOSURE
CO	CLEANOUT
BL	BLOWER
SP	SAMPLE PORT
VI	VACUUM INDICATOR

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Project
44-30 PURVES STREET
BLOCK No. 268, LOT No. 1
QUEENS NEW YORK

Figure Title
SMD SYSTEM LAYOUT - PROCESS & IMPLEMENTATION DIAGRAM

Project No.	170282501
Date	01/21/2026
Drawn By	SW
Checked By	BK

Figure No.
A-104.00
Sheet 5 of 5

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APPENDIX F

LABORATORY REPORTS

ANALYTICAL REPORT

Lab Number:	L2569047
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Paul McMahon
Phone:	(212) 479-5429
Project Name:	44-30 PURVES STREET
Project Number:	170282501
Report Date:	11/04/25

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Certifications & Approvals: NH ELAP (2249).

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

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2569047
Report Date: 11/04/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2569047-01	IA01_103025	AIR	LONG ISLAND CITY, NY	10/30/25 18:02	10/30/25
L2569047-02	AA01_103025	AIR	LONG ISLAND CITY, NY	10/30/25 18:03	10/30/25

Project Name:	44-30 PURVES STREET	**Lab Number:**	L2569047
Project Number:	170282501	**Report Date:**	11/04/25

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 Pace 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 and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet 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, Pace'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 Pace Project Manager and made arrangements for Pace 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: 44-30 PURVES STREET **Lab Number:** L2569047
Project Number: 170282501 **Report Date:** 11/04/25

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on October 29, 2025. The canister certification data is provided as an addendum.

L2569047-02D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen. The pressurization resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

The WG2136064-3 LCS recovery associated with L2569047-01 and -02D is below the acceptance limit for naphthalene (64%. All samples associated with this LCS that have reportable amounts of naphthalene will be reported by TO15 SIM.

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: 11/04/25

AIR

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2569047
Report Date: 11/04/25

SAMPLE RESULTS

Lab ID: L2569047-01
Client ID: IA01_103025
Sample Location: LONG ISLAND CITY, NY

Date Collected: 10/30/25 18:02
Date Received: 10/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/02/25 18:54
Analyst: TPH

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.440	0.200	--	2.18	0.989	--		1
Chloromethane	0.524	0.200	--	1.08	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	94.4	5.00	--	178	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	16.3	1.00	--	38.7	2.38	--		1
Trichlorofluoromethane	0.222	0.200	--	1.25	1.12	--		1
Isopropanol	70.5	1.00	--	173	2.46	--		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

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2569047
Report Date: 11/04/25

SAMPLE RESULTS

Lab ID: L2569047-01
Client ID: IA01_103025
Sample Location: LONG ISLAND CITY, NY

Date Collected: 10/30/25 18:02
Date Received: 10/30/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethyl Acetate	0.946	0.500	--	3.41	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.349	0.200	--	1.23	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.318	0.200	--	1.02	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
Xylenes, Total	0.541	0.200	--	2.35	0.869	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.266	0.200	--	1.24	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	0.564	0.200	--	2.13	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
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2569047
Report Date: 11/04/25

SAMPLE RESULTS

Lab ID: L2569047-01
Client ID: IA01_103025
Sample Location: LONG ISLAND CITY, NY

Date Collected: 10/30/25 18:02
Date Received: 10/30/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.541	0.400	--	2.35	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
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	95		60-140

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2569047
Report Date: 11/04/25

SAMPLE RESULTS

Lab ID: L2569047-01
Client ID: IA01_103025
Sample Location: LONG ISLAND CITY, NY

Date Collected: 10/30/25 18:02
Date Received: 10/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/02/25 18:54
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.055	0.020	--	0.373	0.136	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2569047
Report Date: 11/04/25

SAMPLE RESULTS

Lab ID: L2569047-02 D
Client ID: AA01_103025
Sample Location: LONG ISLAND CITY, NY

Date Collected: 10/30/25 18:03
Date Received: 10/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/02/25 18:15
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	ND	0.517	--	ND	2.56	--		2.585
Chloromethane	ND	0.517	--	ND	1.07	--		2.585
Freon-114	ND	0.517	--	ND	3.61	--		2.585
Vinyl chloride	ND	0.517	--	ND	1.32	--		2.585
1,3-Butadiene	ND	0.517	--	ND	1.14	--		2.585
Bromomethane	ND	0.517	--	ND	2.01	--		2.585
Chloroethane	ND	0.517	--	ND	1.36	--		2.585
Ethanol	ND	12.9	--	ND	24.3	--		2.585
Vinyl bromide	ND	0.517	--	ND	2.26	--		2.585
Acetone	ND	2.58	--	ND	6.13	--		2.585
Trichlorofluoromethane	ND	0.517	--	ND	2.91	--		2.585
Isopropanol	ND	2.58	--	ND	6.34	--		2.585
1,1-Dichloroethene	ND	0.517	--	ND	2.05	--		2.585
Tertiary butyl Alcohol	ND	1.29	--	ND	3.91	--		2.585
Methylene chloride	ND	1.29	--	ND	4.48	--		2.585
3-Chloropropene	ND	0.517	--	ND	1.62	--		2.585
Carbon disulfide	ND	0.517	--	ND	1.61	--		2.585
Freon-113	ND	0.517	--	ND	3.96	--		2.585
trans-1,2-Dichloroethene	ND	0.517	--	ND	2.05	--		2.585
1,1-Dichloroethane	ND	0.517	--	ND	2.09	--		2.585
Methyl tert butyl ether	ND	0.517	--	ND	1.86	--		2.585
2-Butanone	ND	1.29	--	ND	3.80	--		2.585
cis-1,2-Dichloroethene	ND	0.517	--	ND	2.05	--		2.585

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2569047
Report Date: 11/04/25

SAMPLE RESULTS

Lab ID: L2569047-02 D
Client ID: AA01_103025
Sample Location: LONG ISLAND CITY, NY

Date Collected: 10/30/25 18:03
Date Received: 10/30/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethyl Acetate	ND	1.29	--	ND	4.65	--		2.585
Chloroform	ND	0.517	--	ND	2.52	--		2.585
Tetrahydrofuran	ND	1.29	--	ND	3.80	--		2.585
1,2-Dichloroethane	ND	0.517	--	ND	2.09	--		2.585
n-Hexane	ND	0.517	--	ND	1.82	--		2.585
1,1,1-Trichloroethane	ND	0.517	--	ND	2.82	--		2.585
Benzene	ND	0.517	--	ND	1.65	--		2.585
Carbon tetrachloride	ND	0.517	--	ND	3.25	--		2.585
Cyclohexane	ND	0.517	--	ND	1.78	--		2.585
1,2-Dichloropropane	ND	0.517	--	ND	2.39	--		2.585
Bromodichloromethane	ND	0.517	--	ND	3.46	--		2.585
Xylenes, Total	ND	0.517	--	ND	2.25	--		2.585
1,4-Dioxane	ND	0.517	--	ND	1.86	--		2.585
Trichloroethene	ND	0.517	--	ND	2.78	--		2.585
2,2,4-Trimethylpentane	ND	0.517	--	ND	2.41	--		2.585
Heptane	ND	0.517	--	ND	2.12	--		2.585
cis-1,3-Dichloropropene	ND	0.517	--	ND	2.35	--		2.585
4-Methyl-2-pentanone	ND	1.29	--	ND	5.29	--		2.585
trans-1,3-Dichloropropene	ND	0.517	--	ND	2.35	--		2.585
1,1,2-Trichloroethane	ND	0.517	--	ND	2.82	--		2.585
Toluene	ND	0.517	--	ND	1.95	--		2.585
2-Hexanone	ND	0.517	--	ND	2.12	--		2.585
Dibromochloromethane	ND	0.517	--	ND	4.40	--		2.585
1,2-Dibromoethane	ND	0.517	--	ND	3.97	--		2.585
Tetrachloroethene	ND	0.517	--	ND	3.51	--		2.585
Chlorobenzene	ND	0.517	--	ND	2.38	--		2.585

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2569047
Report Date: 11/04/25

SAMPLE RESULTS

Lab ID: L2569047-02 D
Client ID: AA01_103025
Sample Location: LONG ISLAND CITY, NY

Date Collected: 10/30/25 18:03
Date Received: 10/30/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethylbenzene	ND	0.517	--	ND	2.25	--		2.585
p/m-Xylene	ND	1.03	--	ND	4.47	--		2.585
Bromoform	ND	0.517	--	ND	5.35	--		2.585
Styrene	ND	0.517	--	ND	2.20	--		2.585
1,1,2,2-Tetrachloroethane	ND	0.517	--	ND	3.55	--		2.585
o-Xylene	ND	0.517	--	ND	2.25	--		2.585
4-Ethyltoluene	ND	0.517	--	ND	2.54	--		2.585
1,3,5-Trimethylbenzene	ND	0.517	--	ND	2.54	--		2.585
1,2,4-Trimethylbenzene	ND	0.517	--	ND	2.54	--		2.585
Benzyl chloride	ND	0.517	--	ND	2.68	--		2.585
1,3-Dichlorobenzene	ND	0.517	--	ND	3.11	--		2.585
1,4-Dichlorobenzene	ND	0.517	--	ND	3.11	--		2.585
1,2-Dichlorobenzene	ND	0.517	--	ND	3.11	--		2.585
1,2,4-Trichlorobenzene	ND	0.517	--	ND	3.84	--		2.585
Hexachlorobutadiene	ND	0.517	--	ND	5.51	--		2.585

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2569047
Report Date: 11/04/25

SAMPLE RESULTS

Lab ID: L2569047-02 D
Client ID: AA01_103025
Sample Location: LONG ISLAND CITY, NY

Date Collected: 10/30/25 18:03
Date Received: 10/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/02/25 18:15
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Trichloroethene	ND	0.052	--	ND	0.278	--		2.585
Tetrachloroethene	ND	0.052	--	ND	0.351	--		2.585
Naphthalene	ND	0.129	--	ND	0.676	--		2.585

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	100		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	98		60-140

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2569047
Report Date: 11/04/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/02/25 16:58

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-02 Batch: WG2136064-4								
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	1.00	--	ND	2.46	--		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
Xylenes, Total	ND	0.200	--	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

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2569047
Report Date: 11/04/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/02/25 16:58

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-02 Batch: WG2136064-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	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

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2569047
Report Date: 11/04/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/02/25 16:58

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-02 Batch: WG2136064-4								
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
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2569047
Report Date: 11/04/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 11/02/25 17:36

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab for sample(s): 01-02 Batch: WG2136065-4								
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
Naphthalene	ND	0.050	--	ND	0.262	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2569047
Report Date: 11/04/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-02 Batch: WG2136064-3								
Dichlorodifluoromethane	95		-		70-130	-		
Chloromethane	88		-		70-130	-		
Freon-114	101		-		70-130	-		
Vinyl chloride	91		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Bromomethane	97		-		70-130	-		
Chloroethane	88		-		70-130	-		
Ethanol	87		-		40-160	-		
Vinyl bromide	94		-		70-130	-		
Acetone	81		-		40-160	-		
Trichlorofluoromethane	88		-		70-130	-		
Isopropanol	84		-		40-160	-		
1,1-Dichloroethene	92		-		70-130	-		
Tertiary butyl Alcohol	87		-		70-130	-		
Methylene chloride	98		-		70-130	-		
3-Chloropropene	90		-		70-130	-		
Carbon disulfide	94		-		70-130	-		
Freon-113	96		-		70-130	-		
trans-1,2-Dichloroethene	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2569047
Report Date: 11/04/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-02 Batch: WG2136064-3								
1,1-Dichloroethane	84		-		70-130	-		
Methyl tert butyl ether	98		-		70-130	-		
2-Butanone	90		-		70-130	-		
cis-1,2-Dichloroethene	87		-		70-130	-		
Ethyl Acetate	101		-		70-130	-		
Chloroform	98		-		70-130	-		
Tetrahydrofuran	104		-		70-130	-		
1,2-Dichloroethane	92		-		70-130	-		
n-Hexane	96		-		70-130	-		
1,1,1-Trichloroethane	96		-		70-130	-		
Benzene	88		-		70-130	-		
Carbon tetrachloride	112		-		70-130	-		
Cyclohexane	96		-		70-130	-		
1,2-Dichloropropane	83		-		70-130	-		
Bromodichloromethane	108		-		70-130	-		
1,4-Dioxane	98		-		70-130	-		
Trichloroethene	95		-		70-130	-		
2,2,4-Trimethylpentane	100		-		70-130	-		
Heptane	97		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2569047
Report Date: 11/04/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-02 Batch: WG2136064-3								
cis-1,3-Dichloropropene	101		-		70-130	-		
4-Methyl-2-pentanone	102		-		70-130	-		
trans-1,3-Dichloropropene	115		-		70-130	-		
1,1,2-Trichloroethane	91		-		70-130	-		
Toluene	91		-		70-130	-		
2-Hexanone	100		-		70-130	-		
Dibromochloromethane	118		-		70-130	-		
1,2-Dibromoethane	101		-		70-130	-		
Tetrachloroethene	96		-		70-130	-		
Chlorobenzene	98		-		70-130	-		
Ethylbenzene	91		-		70-130	-		
p/m-Xylene	95		-		70-130	-		
Bromoform	123		-		70-130	-		
Styrene	100		-		70-130	-		
1,1,2,2-Tetrachloroethane	102		-		70-130	-		
o-Xylene	98		-		70-130	-		
4-Ethyltoluene	107		-		70-130	-		
1,3,5-Trimethylbenzene	105		-		70-130	-		
1,2,4-Trimethylbenzene	103		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2569047
Report Date: 11/04/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab	Associated sample(s): 01-02		Batch: WG2136064-3					
Benzyl chloride	93		-		70-130	-		
1,3-Dichlorobenzene	98		-		70-130	-		
1,4-Dichlorobenzene	97		-		70-130	-		
1,2-Dichlorobenzene	96		-		70-130	-		
1,2,4-Trichlorobenzene	72		-		70-130	-		
Naphthalene	**64**	Q	-		70-130	-		
Hexachlorobutadiene	93		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2569047
Report Date: 11/04/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Air Lab Associated sample(s): 01-02 Batch: WG2136065-3								
Vinyl chloride	88		-		70-130	-		
1,1-Dichloroethene	86		-		70-130	-		
cis-1,2-Dichloroethene	81		-		70-130	-		
1,1,1-Trichloroethane	95		-		70-130	-		
Carbon tetrachloride	111		-		70-130	-		
Trichloroethene	85		-		70-130	-		
Tetrachloroethene	86		-		70-130	-		
Naphthalene	79		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2569047
Report Date: 11/04/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-02 QC Batch ID: WG2136064-5 QC Sample: L2569047-01 Client ID: IA01_103025						
Dichlorodifluoromethane	0.440	0.469	ppbV	6		25
Chloromethane	0.524	0.552	ppbV	5		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	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	94.4	87.1	ppbV	8		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	16.3	16.7	ppbV	2		25
Trichlorofluoromethane	0.222	0.200	ppbV	10		25
Isopropanol	70.5	63.3	ppbV	11		25
1,1-Dichloroethene	ND	ND	ppbV	NC		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

Lab Duplicate Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2569047
Report Date: 11/04/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-02 QC Batch ID: WG2136064-5 QC Sample: L2569047-01 Client ID: IA01_103025						
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	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	0.946	0.976	ppbV	3		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.349	0.384	ppbV	10		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	0.318	0.323	ppbV	2		25
Carbon tetrachloride	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
Xylenes, Total	0.541	0.554	ppbV	2		25
1,4-Dioxane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2569047
Report Date: 11/04/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-02 QC Batch ID: WG2136064-5 QC Sample: L2569047-01 Client ID: IA01_103025						
Trichloroethene	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	0.266	0.271	ppbV	2		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	0.564	0.577	ppbV	2		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	0.541	0.554	ppbV	2		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2569047
Report Date: 11/04/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-02 QC Batch ID: WG2136064-5 QC Sample: L2569047-01 Client ID: IA01_103025						
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25
Volatile Organics in Air by SIM - Mansfield Air Lab Associated sample(s): 01-02 QC Batch ID: WG2136065-5 QC Sample: L2569047-01 Client ID: IA01_103025						
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	0.055	0.061	ppbV	10		25
Naphthalene	ND	ND	ppbV	NC		25

Project Name: 44-30 PURVES STREET

Project Number: 170282501

Lab Number: L2569047

Report Date: 11/04/25

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	Flow Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2569047-01	IA01_103025	0048	Flow 4	10/29/25	541729		-	-	-	Pass	10.1	10.3	2
L2569047-01	IA01_103025	3322	6.0L Can	10/29/25	541729	L2567792-05	Pass	-29.6	-5.8	-	-	-	-
L2569047-02	AA01_103025	01732	Flow 5	10/29/25	541729		-	-	-	Pass	10.1	10.0	1
L2569047-02	AA01_103025	1998	6.0L Can	10/29/25	541729	L2567792-04	Pass	-29.6	-6.2	-	-	-	-

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

Lab Number: L2567792
Report Date: 11/04/25

Air Canister Certification Results

Lab ID: L2567792-04
Client ID: CAN 5885 SHELF 83
Sample Location:

Date Collected: 10/25/25 07:00
Date Received: 10/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/27/25 21:02
Analyst: KMH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air 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	1.00	--	ND	2.46	--		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: L2567792
Report Date: 11/04/25

Air Canister Certification Results

Lab ID: L2567792-04
Client ID: CAN 5885 SHELF 83
Sample Location:

Date Collected: 10/25/25 07:00
Date Received: 10/25/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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: L2567792
Report Date: 11/04/25

Air Canister Certification Results

Lab ID: L2567792-04
Client ID: CAN 5885 SHELF 83
Sample Location:

Date Collected: 10/25/25 07:00
Date Received: 10/25/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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: L2567792
Report Date: 11/04/25

Air Canister Certification Results

Lab ID: L2567792-04
Client ID: CAN 5885 SHELF 83
Sample Location:

Date Collected: 10/25/25 07:00
Date Received: 10/25/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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	0.996	--		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:** L2567792

Project Number: CANISTER QC BAT **Report Date:** 11/04/25

Air Canister Certification Results

Lab ID: L2567792-04
Client ID: CAN 5885 SHELF 83
Sample Location:

Date Collected: 10/25/25 07:00
Date Received: 10/25/25
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2567792
Report Date: 11/04/25

Air Canister Certification Results

Lab ID: L2567792-04
Client ID: CAN 5885 SHELF 83
Sample Location:

Date Collected: 10/25/25 07:00
Date Received: 10/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/27/25 21:02
Analyst: KMH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air 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: L2567792
Report Date: 11/04/25

Air Canister Certification Results

Lab ID: L2567792-04
Client ID: CAN 5885 SHELF 83
Sample Location:

Date Collected: 10/25/25 07:00
Date Received: 10/25/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air 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:** L2567792

Project Number: CANISTER QC BAT **Report Date:** 11/04/25

Air Canister Certification Results

Lab ID: L2567792-04
Client ID: CAN 5885 SHELF 83
Sample Location:

Date Collected: 10/25/25 07:00
Date Received: 10/25/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air 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	86		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	89		60-140

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

Lab Number: L2567792
Report Date: 11/04/25

Air Canister Certification Results

Lab ID: L2567792-05
Client ID: CAN 2892 SHELF 84
Sample Location:

Date Collected: 10/25/25 07:00
Date Received: 10/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/27/25 21:40
Analyst: KMH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air 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	1.00	--	ND	2.46	--		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: L2567792
Report Date: 11/04/25

Air Canister Certification Results

Lab ID: L2567792-05
Client ID: CAN 2892 SHELF 84
Sample Location:

Date Collected: 10/25/25 07:00
Date Received: 10/25/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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: L2567792
Report Date: 11/04/25

Air Canister Certification Results

Lab ID: L2567792-05
Client ID: CAN 2892 SHELF 84
Sample Location:

Date Collected: 10/25/25 07:00
Date Received: 10/25/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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: L2567792
Report Date: 11/04/25

Air Canister Certification Results

Lab ID: L2567792-05
Client ID: CAN 2892 SHELF 84
Sample Location:

Date Collected: 10/25/25 07:00
Date Received: 10/25/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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	0.996	--		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:** L2567792

Project Number: CANISTER QC BAT **Report Date:** 11/04/25

Air Canister Certification Results

Lab ID: L2567792-05
Client ID: CAN 2892 SHELF 84
Sample Location:

Date Collected: 10/25/25 07:00
Date Received: 10/25/25
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	87		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2567792
Report Date: 11/04/25

Air Canister Certification Results

Lab ID: L2567792-05
Client ID: CAN 2892 SHELF 84
Sample Location:

Date Collected: 10/25/25 07:00
Date Received: 10/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/27/25 21:40
Analyst: KMH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air 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: L2567792
Report Date: 11/04/25

Air Canister Certification Results

Lab ID: L2567792-05
Client ID: CAN 2892 SHELF 84
Sample Location:

Date Collected: 10/25/25 07:00
Date Received: 10/25/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air 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: L2567792
Report Date: 11/04/25

Air Canister Certification Results

Lab ID: L2567792-05
Client ID: CAN 2892 SHELF 84
Sample Location:

Date Collected: 10/25/25 07:00
Date Received: 10/25/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air 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	85		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	86		60-140

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2569047
Report Date: 11/04/25

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(*)
L2569047-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2569047-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	44-30 PURVES STREET	**Lab Number:**	L2569047
Project Number:	170282501	**Report Date:**	11/04/25

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:	44-30 PURVES STREET	**Lab Number:**	L2569047
Project Number:	170282501	**Report Date:**	11/04/25

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:	44-30 PURVES STREET	**Lab Number:**	L2569047
Project Number:	170282501	**Report Date:**	11/04/25

Data Qualifiers

ND	- Not detected at the reporting limit (RL) for the sample.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
S	- Analytical results are from modified screening analysis.
V	- The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
Z	- The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2569047
Report Date: 11/04/25

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

Pace Analytical Services 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 Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services 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 Pace Analytical Services.

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

Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

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

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

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

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, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1: Hg. **EPA 245.7:** Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY kY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
MA M-MA00030, CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

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

AIR ANALYSIS

PAGE 1 OF 1

Pace ANALYTICAL SERVICES

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 10/31/25

Pace® Job #: L2569049

Client Information

Client: Langan
Address: 368 9th Ave, NY, NY, 10001
Phone: 212-479-5400
Fax:
Email: pmcmahon@langan.com
☐ These samples have been previously analyzed by Pace

Project Information

Project Name: 44-30 Purves Street
Project Location: Long Island City, NY
Project #: 170282501
Project Manager: Paul McMahon
Pace® 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

Other Project Specific Requirements/Comments: cc: datamanagement@langan.com, bkontze@langan.com

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

PACE Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH (Subtract Non-petroleum HCs) ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
~~69049-01~~	~~IA01_103025~~	~~103025~~	~~1002~~	~~29.92~~													
~~-02~~	~~AA01_103025~~	↓	~~1003~~	~~29.92~~													
69049-01	IA01_103025	103025	1002	1802	-29.92	-6.30	AA	CQ	6L	3322	00948	X	X				
-02	AA01_103025	↓	1003	1803	-29.92	-7.00	↓	↓	↓	1998	01732	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 ambi-guities are resolved. All samples submitted are subject to Pace's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Camille Quick (Langan)	10/30/25, 1812	WIH Pace	10/30/25 1812
WIH Pace	10/30/25 2013	Anthony Green	OCT 30 2025 2134
Anthony Green		Alberto Liz	10-31-25 0200
Alberto Liz 10-31-25 0520		[signature] [signature]	10/31/25 0520

Sample Delivery Group Summary

Pace Job Number : L2569047

Account Name : Langan Engineering & Environmental
Project Number : 170282501
Project Name : 44-30 PURVES STREET

Received : 30-OCT-2025
Reviewer : Christopher J Anderson

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
NA	Present/Intact/NA			

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**YES**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NA**

ANALYTICAL REPORT

Lab Number:	L2611638
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Brad Koontz
Phone:	(212) 479-5499
Project Name:	44-30 PURVES STREET
Project Number:	170282501
Report Date:	03/11/26

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

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

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2611638-01	IA01_030426	AIR	LONG ISLAND CITY, NY	03/04/26 17:16	03/04/26
L2611638-02	AA01_030426	AIR	LONG ISLAND CITY, NY	03/04/26 17:18	03/04/26
L2611638-03	VR01_030426	SOIL_VAPOR	LONG ISLAND CITY, NY	03/04/26 17:29	03/04/26
L2611638-04	VR02_030426	SOIL_VAPOR	LONG ISLAND CITY, NY	03/04/26 17:32	03/04/26
L2611638-05	UNUSED CAN #771	SOIL_VAPOR	LONG ISLAND CITY, NY		03/04/26

Project Name:	44-30 PURVES STREET	**Lab Number:**	L2611638
Project Number:	170282501	**Report Date:**	03/11/26

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 Pace 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 and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet 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, Pace'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 Pace Project Manager and made arrangements for Pace 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: 44-30 PURVES STREET **Lab Number:** L2611638
Project Number: 170282501 **Report Date:** 03/11/26

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 3, 2026. The canister certification data is provided as an addendum.

L2611638-03D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG2183570-3 LCS recovery associated with L2611638-01 and -02 is above the upper 130% acceptance limit for trans-1,3-dichloropropene (132%). All samples associated with this LCS do not have reportable amounts of this analyte.

The WG2183570-2 CC recovery associated with L2611638-01 and -02 is below the acceptance limit for Ethanol. All samples associated with this CC that have reportable amounts of this analyte will be reported with low bias.

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: 03/11/26

QC OUTLIER SUMMARY REPORT

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
Volatile Organics in Air - Mansfield Air Lab								
TO-15	Batch QC	WG2183570-3	trans-1,3-Dichloropropene	LCS	132	70-130	01-02	potential high bias

AIR

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

SAMPLE RESULTS

Lab ID: L2611638-01
Client ID: IA01_030426
Sample Location: LONG ISLAND CITY, NY

Date Collected: 03/04/26 17:16
Date Received: 03/04/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/10/26 18:18
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.320	0.200	--	1.58	0.989	--		1
Chloromethane	0.454	0.200	--	0.938	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	80.8	5.00	--	152	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	9.24	1.00	--	21.9	2.38	--		1
Trichlorofluoromethane	0.222	0.200	--	1.25	1.12	--		1
Isopropanol	31.7	1.00	--	77.9	2.46	--		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	0.524	0.500	--	1.55	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

SAMPLE RESULTS

Lab ID: L2611638-01
Client ID: IA01_030426
Sample Location: LONG ISLAND CITY, NY

Date Collected: 03/04/26 17:16
Date Received: 03/04/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.510	0.200	--	1.80	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.796	0.200	--	2.54	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
Xylenes, Total	1.12	0.200	--	4.86	0.869	--		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	0.320	0.200	--	1.49	0.934	--		1
Heptane	0.295	0.200	--	1.21	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	1.48	0.200	--	5.58	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

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2611638
Report Date: 03/11/26

SAMPLE RESULTS

Lab ID: L2611638-01
Client ID: IA01_030426
Sample Location: LONG ISLAND CITY, NY

Date Collected: 03/04/26 17:16
Date Received: 03/04/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethylbenzene	0.252	0.200	--	1.09	0.869	--		1
p/m-Xylene	0.834	0.400	--	3.62	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	0.284	0.200	--	1.23	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.208	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
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

SAMPLE RESULTS

Lab ID: L2611638-02
Client ID: AA01_030426
Sample Location: LONG ISLAND CITY, NY

Date Collected: 03/04/26 17:18
Date Received: 03/04/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/10/26 17:45
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.365	0.200	--	1.80	0.989	--		1
Chloromethane	0.450	0.200	--	0.929	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	8.82	5.00	--	16.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.12	1.00	--	12.2	2.38	--		1
Trichlorofluoromethane	0.231	0.200	--	1.30	1.12	--		1
Isopropanol	2.95	1.00	--	7.25	2.46	--		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

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

SAMPLE RESULTS

Lab ID: L2611638-02
Client ID: AA01_030426
Sample Location: LONG ISLAND CITY, NY

Date Collected: 03/04/26 17:18
Date Received: 03/04/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.353	0.200	--	1.24	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.414	0.200	--	1.32	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
Xylenes, Total	ND	0.200	--	ND	0.869	--		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	1.04	0.200	--	3.92	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

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2611638
Report Date: 03/11/26

SAMPLE RESULTS

Lab ID: L2611638-02
Client ID: AA01_030426
Sample Location: LONG ISLAND CITY, NY

Date Collected: 03/04/26 17:18
Date Received: 03/04/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
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
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2611638
Report Date: 03/11/26

SAMPLE RESULTS

Lab ID: L2611638-03 D
Client ID: VR01_030426
Sample Location: LONG ISLAND CITY, NY

Date Collected: 03/04/26 17:29
Date Received: 03/04/26
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/10/26 06:43
Analyst: TPH

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.492	0.400	--	2.43	1.98	--		2
Chloromethane	0.460	0.400	--	0.950	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	701	10.0	--	1320	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	22.4	2.00	--	53.2	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	317	2.00	--	779	4.92	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	1.13	1.00	--	3.43	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	ND	0.400	--	ND	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	1.57	1.00	--	4.63	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

SAMPLE RESULTS

Lab ID: L2611638-03 D
Client ID: VR01_030426
Sample Location: LONG ISLAND CITY, NY

Date Collected: 03/04/26 17:29
Date Received: 03/04/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2
Chloroform	ND	0.400	--	ND	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	1.36	0.400	--	4.79	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	1.16	0.400	--	3.71	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	0.402	0.400	--	1.38	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
Xylenes, Total	1.87	0.400	--	8.12	1.74	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	0.568	0.400	--	2.65	1.87	--		2
Heptane	0.620	0.400	--	2.54	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	3.13	0.400	--	11.8	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	ND	0.400	--	ND	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2611638
Report Date: 03/11/26

SAMPLE RESULTS

Lab ID: L2611638-03 D
Client ID: VR01_030426
Sample Location: LONG ISLAND CITY, NY

Date Collected: 03/04/26 17:29
Date Received: 03/04/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethylbenzene	0.434	0.400	--	1.89	1.74	--		2
p/m-Xylene	1.39	0.800	--	6.04	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	0.480	0.400	--	2.08	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.97	--		2
1,3,5-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Naphthalene	ND	0.380	--	ND	1.99	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	94		60-140

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

SAMPLE RESULTS

Lab ID: L2611638-04
Client ID: VR02_030426
Sample Location: LONG ISLAND CITY, NY

Date Collected: 03/04/26 17:32
Date Received: 03/04/26
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/10/26 07:22
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.481	0.200	--	2.38	0.989	--		1
Chloromethane	0.473	0.200	--	0.977	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	352	5.00	--	663	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	10.1	1.00	--	24.0	2.38	--		1
Trichlorofluoromethane	0.212	0.200	--	1.19	1.12	--		1
Isopropanol	216	1.00	--	531	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.02	0.500	--	3.09	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.405	0.200	--	1.26	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.242	0.200	--	0.959	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	0.785	0.500	--	2.32	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

SAMPLE RESULTS

Lab ID: L2611638-04
Client ID: VR02_030426
Sample Location: LONG ISLAND CITY, NY

Date Collected: 03/04/26 17:32
Date Received: 03/04/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.516	0.200	--	1.82	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.637	0.200	--	2.04	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
Xylenes, Total	1.09	0.200	--	4.73	0.869	--		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	0.234	0.200	--	1.09	0.934	--		1
Heptane	0.257	0.200	--	1.05	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	1.38	0.200	--	5.20	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2611638
Report Date: 03/11/26

SAMPLE RESULTS

Lab ID: L2611638-04
Client ID: VR02_030426
Sample Location: LONG ISLAND CITY, NY

Date Collected: 03/04/26 17:32
Date Received: 03/04/26
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Ethylbenzene	0.218	0.200	--	0.947	0.869	--		1
p/m-Xylene	0.806	0.400	--	3.50	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	0.280	0.200	--	1.22	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.324	0.200	--	1.59	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	95		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	99		60-140

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2611638
Report Date: 03/11/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/09/26 16:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 03-04 Batch: WG2183087-4								
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	1.00	--	ND	2.46	--		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
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2611638
Report Date: 03/11/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/09/26 16:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 03-04 Batch: WG2183087-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	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

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2611638
Report Date: 03/11/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/09/26 16:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 03-04 Batch: WG2183087-4								
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
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2611638
Report Date: 03/11/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/10/26 15:01

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-02 Batch: WG2183570-4								
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	1.00	--	ND	2.46	--		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
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2611638
Report Date: 03/11/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/10/26 15:01

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-02 Batch: WG2183570-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	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

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2611638
Report Date: 03/11/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/10/26 15:01

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-02 Batch: WG2183570-4								
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
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 03-04 Batch: WG2183087-3								
Dichlorodifluoromethane	89		-		70-130	-		
Chloromethane	79		-		70-130	-		
Freon-114	85		-		70-130	-		
Vinyl chloride	83		-		70-130	-		
1,3-Butadiene	90		-		70-130	-		
Bromomethane	91		-		70-130	-		
Chloroethane	78		-		70-130	-		
Ethanol	78		-		40-160	-		
Vinyl bromide	97		-		70-130	-		
Acetone	89		-		40-160	-		
Trichlorofluoromethane	90		-		70-130	-		
Isopropanol	79		-		40-160	-		
1,1-Dichloroethene	97		-		70-130	-		
Tertiary butyl Alcohol	77		-		70-130	-		
Methylene chloride	98		-		70-130	-		
3-Chloropropene	95		-		70-130	-		
Carbon disulfide	99		-		70-130	-		
Freon-113	96		-		70-130	-		
trans-1,2-Dichloroethene	100		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 03-04 Batch: WG2183087-3								
1,1-Dichloroethane	92		-		70-130	-		
Methyl tert butyl ether	96		-		70-130	-		
2-Butanone	96		-		70-130	-		
cis-1,2-Dichloroethene	96		-		70-130	-		
Ethyl Acetate	106		-		70-130	-		
Chloroform	97		-		70-130	-		
Tetrahydrofuran	106		-		70-130	-		
1,2-Dichloroethane	92		-		70-130	-		
n-Hexane	103		-		70-130	-		
1,1,1-Trichloroethane	96		-		70-130	-		
Benzene	98		-		70-130	-		
Carbon tetrachloride	97		-		70-130	-		
Cyclohexane	106		-		70-130	-		
1,2-Dichloropropane	96		-		70-130	-		
Bromodichloromethane	109		-		70-130	-		
1,4-Dioxane	100		-		70-130	-		
Trichloroethene	99		-		70-130	-		
2,2,4-Trimethylpentane	107		-		70-130	-		
Heptane	102		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 03-04 Batch: WG2183087-3								
cis-1,3-Dichloropropene	119		-		70-130	-		
4-Methyl-2-pentanone	99		-		70-130	-		
trans-1,3-Dichloropropene	124		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	97		-		70-130	-		
2-Hexanone	114		-		70-130	-		
Dibromochloromethane	105		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		
Tetrachloroethene	95		-		70-130	-		
Chlorobenzene	93		-		70-130	-		
Ethylbenzene	96		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	107		-		70-130	-		
Styrene	97		-		70-130	-		
1,1,2,2-Tetrachloroethane	99		-		70-130	-		
o-Xylene	97		-		70-130	-		
4-Ethyltoluene	98		-		70-130	-		
1,3,5-Trimethylbenzene	96		-		70-130	-		
1,2,4-Trimethylbenzene	97		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 03-04 Batch: WG2183087-3								
Benzyl chloride	83		-		70-130	-		
1,3-Dichlorobenzene	94		-		70-130	-		
1,4-Dichlorobenzene	93		-		70-130	-		
1,2-Dichlorobenzene	92		-		70-130	-		
1,2,4-Trichlorobenzene	90		-		70-130	-		
Naphthalene	75		-		70-130	-		
Hexachlorobutadiene	83		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-02 Batch: WG2183570-3								
Dichlorodifluoromethane	72		-		70-130	-		
Chloromethane	82		-		70-130	-		
Freon-114	91		-		70-130	-		
Vinyl chloride	85		-		70-130	-		
1,3-Butadiene	84		-		70-130	-		
Bromomethane	101		-		70-130	-		
Chloroethane	83		-		70-130	-		
Ethanol	64		-		40-160	-		
Vinyl bromide	90		-		70-130	-		
Acetone	102		-		40-160	-		
Trichlorofluoromethane	99		-		70-130	-		
Isopropanol	80		-		40-160	-		
1,1-Dichloroethene	104		-		70-130	-		
Tertiary butyl Alcohol	79		-		70-130	-		
Methylene chloride	95		-		70-130	-		
3-Chloropropene	101		-		70-130	-		
Carbon disulfide	92		-		70-130	-		
Freon-113	108		-		70-130	-		
trans-1,2-Dichloroethene	104		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-02 Batch: WG2183570-3								
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	101		-		70-130	-		
2-Butanone	108		-		70-130	-		
cis-1,2-Dichloroethene	97		-		70-130	-		
Ethyl Acetate	100		-		70-130	-		
Chloroform	109		-		70-130	-		
Tetrahydrofuran	116		-		70-130	-		
1,2-Dichloroethane	106		-		70-130	-		
n-Hexane	97		-		70-130	-		
1,1,1-Trichloroethane	123		-		70-130	-		
Benzene	103		-		70-130	-		
Carbon tetrachloride	128		-		70-130	-		
Cyclohexane	102		-		70-130	-		
1,2-Dichloropropane	101		-		70-130	-		
Bromodichloromethane	119		-		70-130	-		
1,4-Dioxane	102		-		70-130	-		
Trichloroethene	114		-		70-130	-		
2,2,4-Trimethylpentane	104		-		70-130	-		
Heptane	129		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab	Associated sample(s): 01-02		Batch: WG2183570-3					
cis-1,3-Dichloropropene	125		-		70-130	-		
4-Methyl-2-pentanone	120		-		70-130	-		
trans-1,3-Dichloropropene	**132**	Q	-		70-130	-		
1,1,2-Trichloroethane	110		-		70-130	-		
Toluene	100		-		70-130	-		
2-Hexanone	102		-		70-130	-		
Dibromochloromethane	114		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		
Tetrachloroethene	99		-		70-130	-		
Chlorobenzene	95		-		70-130	-		
Ethylbenzene	101		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	102		-		70-130	-		
Styrene	96		-		70-130	-		
1,1,2,2-Tetrachloroethane	102		-		70-130	-		
o-Xylene	104		-		70-130	-		
4-Ethyltoluene	104		-		70-130	-		
1,3,5-Trimethylbenzene	107		-		70-130	-		
1,2,4-Trimethylbenzene	108		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-02 Batch: WG2183570-3								
Benzyl chloride	77		-		70-130	-		
1,3-Dichlorobenzene	113		-		70-130	-		
1,4-Dichlorobenzene	108		-		70-130	-		
1,2-Dichlorobenzene	107		-		70-130	-		
1,2,4-Trichlorobenzene	112		-		70-130	-		
Naphthalene	108		-		70-130	-		
Hexachlorobutadiene	107		-		70-130	-		

Project Name: 44-30 PURVES STREET

Lab Number: L2611638

Project Number: 170282501

Report Date: 03/11/26

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	Flow Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2611638-01	IA01_030426	01728	Flow 5	03/03/26	557749		-	-	-	Pass	10.0	9.3	7
L2611638-01	IA01_030426	5191	6.0L Can	03/03/26	557749	L2609929-08	Pass	-29.9	-7.3	-	-	-	-
L2611638-02	AA01_030426	0791	Flow 5	03/03/26	557749		-	-	-	Pass	10.0	9.6	4
L2611638-02	AA01_030426	3347	6.0L Can	03/03/26	557749	L2609929-08	Pass	-30.0	-6.2	-	-	-	-
L2611638-03	VR01_030426	02485	Flow 4	03/03/26	557749		-	-	-	Pass	10.0	9.4	6
L2611638-03	VR01_030426	4429	6.0L Can	03/03/26	557749	L2610465-03	Pass	-30.0	-7.9	-	-	-	-
L2611638-04	VR02_030426	03231	Flow 4	03/03/26	557749		-	-	-	Pass	10.0	9.9	1
L2611638-04	VR02_030426	981	6.0L Can	03/03/26	557749	L2609929-08	Pass	-30.0	-6.6	-	-	-	-
L2611638-05	UNUSED CAN #771	0385	Flow 4	03/03/26	557749		-	-	-	Pass	10.0	9.4	6
L2611638-05	UNUSED CAN #771	771	6.0L Can	03/03/26	557749	L2609929-08	Pass	-30.0	-29.5	-	-	-	-

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

Lab Number: L2609929
Report Date: 03/11/26

Air Canister Certification Results

Lab ID: L2609929-08
Client ID: CAN 2576 SHELF 96
Sample Location:

Date Collected: 02/25/26 11:58
Date Received: 02/25/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/25/26 23:37
Analyst: ONG

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air 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	1.00	--	ND	2.46	--		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: L2609929
Report Date: 03/11/26

Air Canister Certification Results

Lab ID: L2609929-08
Client ID: CAN 2576 SHELF 96
Sample Location:

Date Collected: 02/25/26 11:58
Date Received: 02/25/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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: L2609929
Report Date: 03/11/26

Air Canister Certification Results

Lab ID: L2609929-08
Client ID: CAN 2576 SHELF 96
Sample Location:

Date Collected: 02/25/26 11:58
Date Received: 02/25/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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: L2609929
Report Date: 03/11/26

Air Canister Certification Results

Lab ID: L2609929-08
Client ID: CAN 2576 SHELF 96
Sample Location:

Date Collected: 02/25/26 11:58
Date Received: 02/25/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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	0.996	--		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:** L2609929

Project Number: CANISTER QC BAT **Report Date:** 03/11/26

Air Canister Certification Results

Lab ID: L2609929-08
Client ID: CAN 2576 SHELF 96
Sample Location:

Date Collected: 02/25/26 11:58
Date Received: 02/25/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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	97		60-140
chlorobenzene-d5	102		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2609929

Project Number: CANISTER QC BAT **Report Date:** 03/11/26

Air Canister Certification Results

Lab ID: L2609929-08
Client ID: CAN 2576 SHELF 96
Sample Location:

Date Collected: 02/25/26 11:58
Date Received: 02/25/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/25/26 23:37
Analyst: ONG

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air 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: L2609929
Report Date: 03/11/26

Air Canister Certification Results

Lab ID: L2609929-08
Client ID: CAN 2576 SHELF 96
Sample Location:

Date Collected: 02/25/26 11:58
Date Received: 02/25/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air 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:** L2609929

Project Number: CANISTER QC BAT **Report Date:** 03/11/26

Air Canister Certification Results

Lab ID: L2609929-08
Client ID: CAN 2576 SHELF 96
Sample Location:

Date Collected: 02/25/26 11:58
Date Received: 02/25/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air 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	111		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	115		60-140

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

Lab Number: L2610465
Report Date: 03/11/26

Air Canister Certification Results

Lab ID: L2610465-03
Client ID: CAN 5760 SHELF 100
Sample Location:

Date Collected: 02/26/26 17:30
Date Received: 02/27/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/27/26 21:00
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air 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	1.00	--	ND	2.46	--		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: L2610465
Report Date: 03/11/26

Air Canister Certification Results

Lab ID: L2610465-03
Client ID: CAN 5760 SHELF 100
Sample Location:

Date Collected: 02/26/26 17:30
Date Received: 02/27/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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 **Lab Number:** L2610465

Project Number: CANISTER QC BAT **Report Date:** 03/11/26

Air Canister Certification Results

Lab ID: L2610465-03
Client ID: CAN 5760 SHELF 100
Sample Location:

Date Collected: 02/26/26 17:30
Date Received: 02/27/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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: L2610465
Report Date: 03/11/26

Air Canister Certification Results

Lab ID: L2610465-03
Client ID: CAN 5760 SHELF 100
Sample Location:

Date Collected: 02/26/26 17:30
Date Received: 02/27/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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	0.996	--		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:** L2610465

Project Number: CANISTER QC BAT **Report Date:** 03/11/26

Air Canister Certification Results

Lab ID: L2610465-03
Client ID: CAN 5760 SHELF 100
Sample Location:

Date Collected: 02/26/26 17:30
Date Received: 02/27/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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	96		60-140
chlorobenzene-d5	102		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2610465

Project Number: CANISTER QC BAT **Report Date:** 03/11/26

Air Canister Certification Results

Lab ID: L2610465-03
Client ID: CAN 5760 SHELF 100
Sample Location:

Date Collected: 02/26/26 17:30
Date Received: 02/27/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/27/26 21:00
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air 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: L2610465
Report Date: 03/11/26

Air Canister Certification Results

Lab ID: L2610465-03
Client ID: CAN 5760 SHELF 100
Sample Location:

Date Collected: 02/26/26 17:30
Date Received: 02/27/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air 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:** L2610465

Project Number: CANISTER QC BAT **Report Date:** 03/11/26

Air Canister Certification Results

Lab ID: L2610465-03
Client ID: CAN 5760 SHELF 100
Sample Location:

Date Collected: 02/26/26 17:30
Date Received: 02/27/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air 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	91		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	97		60-140

Project Name: 44-30 PURVES STREET
Project Number: 170282501

Lab Number: L2611638
Report Date: 03/11/26

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2611638-01A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2611638-02A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2611638-03A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2611638-04A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2611638-05A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	44-30 PURVES STREET	**Lab Number:**	L2611638
Project Number:	170282501	**Report Date:**	03/11/26

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:	44-30 PURVES STREET	**Lab Number:**	L2611638
Project Number:	170282501	**Report Date:**	03/11/26

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:	44-30 PURVES STREET	**Lab Number:**	L2611638
Project Number:	170282501	**Report Date:**	03/11/26

Data Qualifiers

ND	- Not detected at the reporting limit (RL) for the sample.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
S	- Analytical results are from modified screening analysis.
V	- The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
Z	- The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name: 44-30 PURVES STREET
Project Number: 170282501
Lab Number: L2611638
Report Date: 03/11/26

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

Pace Analytical Services 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 Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services 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 Pace Analytical Services.

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.

ENV-FORM-WES2-0065 v02 Certificate/Approval Program Summary

Certification Information

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

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
Biological Tissue Matrix: EPA 3050B

PAS-MAN1 Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
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.
MADEP-APH.

PAS-ELON East Longmeadow Facility – 39 Spruce Street East Longmeadow, MA 01028
EPA 524.2: 1,3,5-Trichlorobenzene, m/p-Xylene, o-xylene.
EPA 625.1: 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, N-Nitrosodiphenylamine.
EPA 8081B NPW and SCM: Alachlor, Endrin Ketone, Hexachlorobenzene.
EPA 8260D NPW: Tetrahydrofuran, 1,3,5-Trichlorobenzene; **SCM:** TAME, TBEE, Diethyl ether, DIPE, Tetrahydrofuran. 1,3,5-Trichlorobenzene, Freon-113.
EPA 8270E: NPW: Carbazole, 1-Methylnaphthalene, Pentachloronitrobenzene; **SCM:** Carbazole, 1-Methylnaphthalene.
EPA TO-13: Air: Benzo(e)pyrene, 1-Methylnaphthalene, 2-Methylnaphthalene, Perylene.
EPA TO-4A Pesticide Air: delta-BHC, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Hexachlorobenzene, Methoxychlor.
SM4500: NPW: Amenable Cyanide; **SCM:** Total Phosphorus, TKN, NH3, NECi: NO2, NO3, ASTMD516.

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

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

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

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

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

ENV-FORM-WES2-0065 v02 Certificate/Approval Program Summary

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

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, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1: Hg. **EPA 245.7:** Hg.
SM2340B

PAS-ELON East Longmeadow Facility – 39 Spruce Street East Longmeadow, MA 01028

Drinking Water

EPA 300.0: NO3, NO2, Fl, Cl, SO4. **NECI Reductase**: NO3, NO2.
SM4500F-C, SM4500Cl-B, ASTM D516, SM4500CN-C,E, EPA 180.1, SM2320B, SM 2540C, SM4500H-B, SM4500SO4-E.
EPA 537.1; EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: SM9223-P/A: TC/EC; SM9223B-Colilert-enumeration: TC/EC; HPC-Simplate.

Non-Potable Water

SM4500H-B, SM2510B, SM2540C, SM2320B, SM4500Cl-B, ASTMD516, SM4500NH3-B, C, EPA 350.1, NECi: NO3, **SM4500NH3-B, C: TKN, SM4500P-E: Ortho Phosphate, SM4500P-B, E: Total Phosphorus, EPA 410.4, SM5210B, SM5310C, SM4500CN-C, E, SM2540D, SM4500Cl-G, SM4500SO4-E, EPA 1664, EPA 420.1, EPA 300.0:** Cl, SO4, NO3.
EPA 624.1: Volatile Halocarbons, Volatile 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 Extractables and Base/Neutrals
Microbiology: SM9223B-Colilert: E. coli (Ambient and Wastewater), **SM9223B-Colilert-18:** Fecal Coliform (Wastewater).

Certification IDs:

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY kY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195.

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, CA 3117, CO MA00030, CT PH-0825, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MD 350, MA M-MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, UT MA00030, VT VT-0015, VA 460194, WA C954.

PAS-MAN1 Mansfield Air Lab Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

PAS-ELON East Longmeadow Facility – 39 Spruce St. East Longmeadow, MA 01028
CT PH-0821, ME MA00100, MI 9100, NC (DENR) 652, NC (DW) 25703, MA M-MA100, NH (Secondary) 2516, NH (Primary) 2557, NJ MA007, NY 10899, PA 68-05812, RI LAO00373, VA 460217, VT-255716, WV DEP 419, WV-DW 9979C, LA 05130, LA-DW LA042, MD-DW 373, OH 87781.

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

AIR ANALYSIS

Pace ANALYTICAL SERVICES — CHAIN OF CUSTODY

PAGE ____ OF ____

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

Date Rec'd in Lab: 3/5/26

Pace® Job #: L2611638

Client Information

Client: LANGAN, DPC

Address:

Phone:

Fax:

Email: bearte@langan.com

☐ These samples have been previously analyzed by Pace

Project Information

Project Name: 44-30 Dunn Street

Project Location: Long Island City, NY

Project #: 170282501

Project Manager: BEAU KEARTE

Pace® 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

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

PACE Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Subset Non-petroleum HCs	☐ Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
11638-01	IA01_030426	3/4/26	9:16	5:16	-30.35	-7.5	IA	BK	6L	515901728		X					
-02	AA01_030426	"	9:18	5:19	-30.82	-7.51	AA	"	"	3347	0741	X					
-03	VR01_030426	"	9:29	5:29	-30.52	-8.61	SV	"	"	4424	02485	X					
-04	VR02_030426	"	9:32	5:32	-30.22	-6.84	SV	"	"	481	208	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 ambi-guities are resolved. All samples submitted are subject to Pace's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
BEAU KEARTE (LANGAN	3/4/26 5:40	SSMF	3-4-26 1740
SSMF	3/4 1906	NJSCSS	3/4 1906
AL	3-5-26 0530		3-4 2015
Bello Cullu	3/5/26 0530	AL	3-5-26 0300

Sample Delivery Group Summary

Pace Job Number : L2611638

Account Name : Langan Engineering & Environmental
Project Number : 170282501
Project Name : 44-30 PURVES STREET

Received : 04-MAR-2026
Reviewer : Christopher J Anderson

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
NA	Absent/			

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels? L2611638-04: FC ID #208 vs. FC ID #03231	**YES**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**YES**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NA**

APPENDIX G

IAQ FORMS

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

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

Preparer's Name Camille Quick Date/Time Prepared 10/30/2025, 11:00AM

Preparer's Affiliation Langan Engineering Phone No. 212-479-5400

Purpose of Investigation Corrective Measures Work Plan

1. OCCUPANT:

Interviewed: Y /(N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

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

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

Interviewed: (Y)/ N

Last Name: Serban First Name: Robert

Address: 44-30 Purves Street, Long Island City, NY, 11101

County: Queens

Home Phone: N/A Office Phone: (718) 786-8889

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

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

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

If multiple units, how many? 272

If the property is commercial, type?

Business Type(s) Dentist Office, Restaurant

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

Other characteristics:

Number of floors 37 Building age 9

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

4. AIRFLOW

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

Airflow between floors

N/A

Airflow near source

N/A

Outdoor air infiltration

N/A

Infiltration into air ducts

N/A

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

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

Basement/Lowest level depth below grade: 0 (feet)

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

1st floor soil vapor riser sampling ports

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

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

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

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: natural gas

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other 1st floor
Air conditioning:	(Central Air)	Window units	Open Windows	None

Are there air distribution ducts present? (Y) / N

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

Air ducts present on first floor ceilings of maintenance and non-residential areas; ducts sealed and in good condition

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	No basement
1st Floor	Lobby, lounge area, community space
2nd Floor	Lobby, lounge area, community space
3rd Floor	Residential
4th Floor	Residential

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? (Y) / N

b. Does the garage have a separate heating unit? Y / N / (NA)

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

d. Has the building ever had a fire? Y / (N) When?

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type?

g. Is there smoking in the building? Y / (N) How frequently?

h. Have cleaning products been used recently? (Y) / N When & Type? Daily, floor cleaner

i. Have cosmetic products been used recently? Y / (N) When & Type?

j. Has painting/staining been done in the last 6 months? (Y) / N Where & When? Various, weekly

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

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

m. Is there a kitchen exhaust fan? (Y) / N If yes, where vented? Residential units

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented? Residential units

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

p. Has there been a pesticide application? (Y) / N When & Type? July 2025, Lantern Fly Pesticide

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

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

If yes, what types of solvents are used? _____

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

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

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

Is there a radon mitigation system for the building/structure? (Y) / N Date of Installation: 3/6/2018
Is the system active or passive? (Active)/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: N/A

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

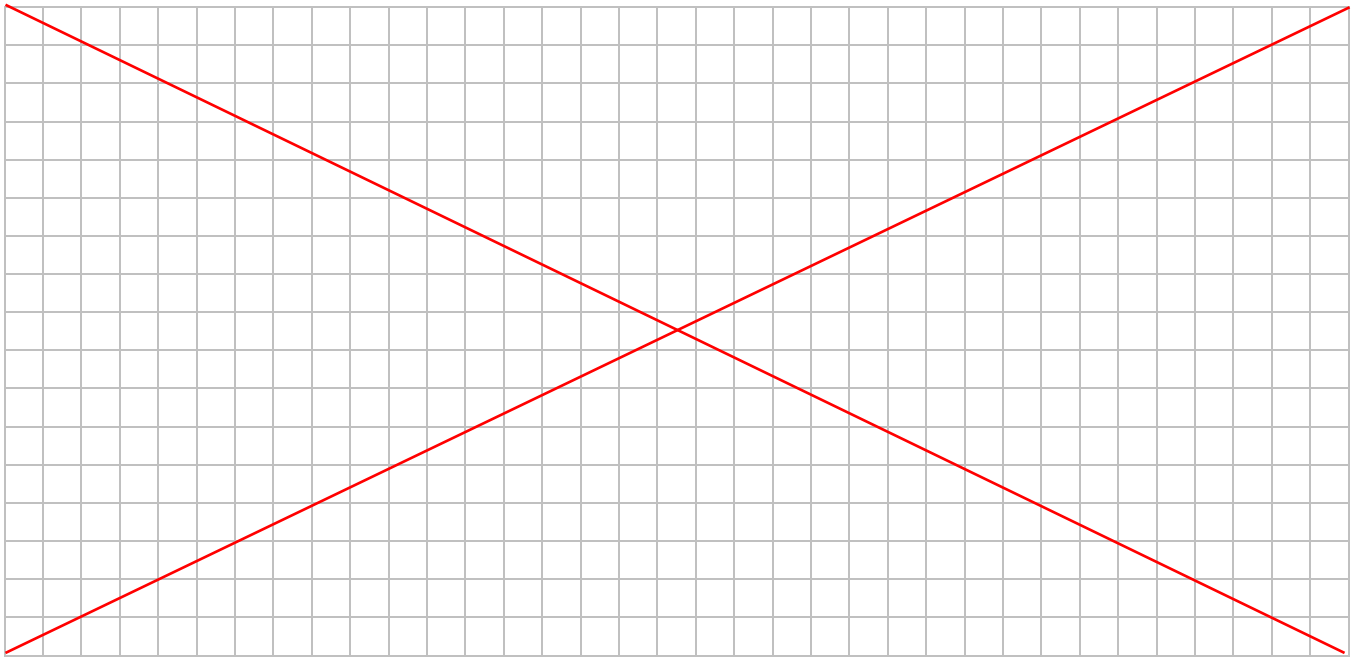
c. Responsibility for costs associated with reimbursement explained? Y / N

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

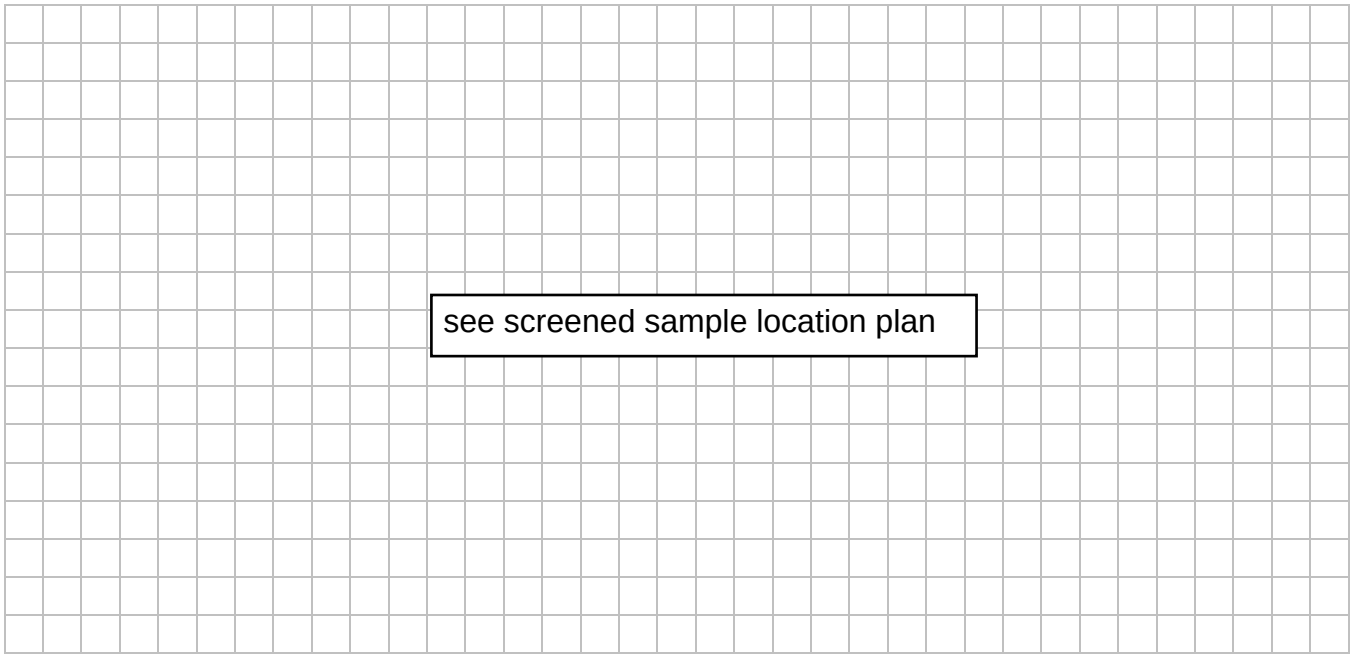
11. FLOOR PLANS

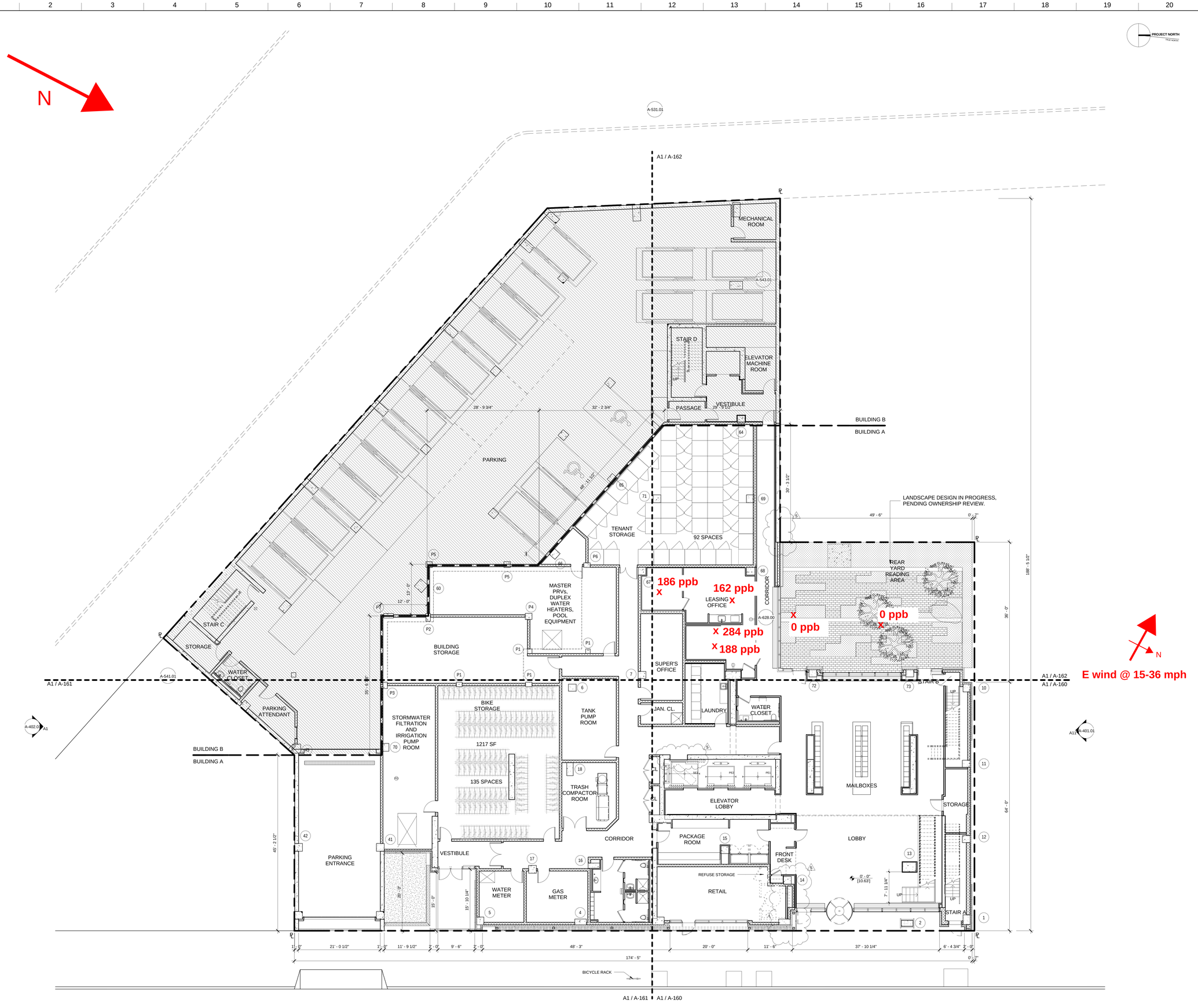
Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement: no basement

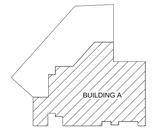


First Floor:





KEY PLAN:



NO.	REVISIONS | SUBMISSIONS	DATE
5	BULLETIN #6	10/09/15
4	CSK-038	07/30/15
3	CSK-034	07/23/15
2	BULLETIN #2	05/01/15
1	ISSUED FOR CONSTRUCTION	10/31/14
	DOB SUBMISSION	10/21/14
	ISSUED FOR BIDDING	08/15/14
	DESIGN DEVELOPMENT	05/30/14
	SCHEMATIC DESIGN	03/14/14

FXFOWLE

FXFOWLE ARCHITECTS, LLP | 22 WEST 19TH STREET | NEW YORK, NY 10011 | T 212.627.1700 | F 212.463.8716 | WWW.FXFOWLE.COM

DESIMONE CONSULTING ENGINEERS
18 West 18th Street, New York, NY 10011 212.532.2211

ICOR ASSOCIATES, LLC
485C Route 1 South, Iselin, NJ 08830 908.272.3300

LANGAN ENGINEERING
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001 212.479.5400

VAN DEUSEN & ASSOCIATES
5 Regent Street, Livingston, NJ 07039 973.994.9220

SAGE AUDIO VIDEO TECHNOLOGY
153 West 27th Street Suite 301, New York, NY 10001 212.213.1523

TRACE POOL DESIGN
401 SOUTH WATER STREET, WINDSOR, NY 12553 845.562.5611

PFJ
224 WEST 29TH STREET, NEW YORK, NY 10001 212.268.2886

LIC PURVES STREET DEVELOPMENT
BUILDING A
44-26 PURVES STREET, QUEENS, NY

DRAWING TITLE:
1ST FLOOR PLAN

Seal:

Drawn: CPC	Project No.: 13072.L00
Checked: MC	Cad File:
Reviewed: MC	Drawing No.:
Date: 05/01/15	A-101.00
Scale: As indicated	Sheet 28 of 122

A1 1ST FLOOR PLAN
1/8" = 1'-0" 1ST FLOOR MARKETING PLAN

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10/5/2015 2:29:24 PM

Indoor Air Quality Investigation
Pre-Inspection Product Inventory

Site Name: 44-30 Purves Street **Langan Project No.: 170282501**

Site Location: Long Island City, NY **Date: 10/30/2025**

Make and model of field instrument used: ppbRAE 3000

Location	Product Description	Size (units)	Condition*	Chemical Ingredients/Cas number	Field Instrument Reading (ppb)	Photo Y/N
Leasing Office	Dawn Ultra Dishwashing Liquid	22 fl oz (1)	U	sulfuric acid, mono-C10-16-alkyl esters, sodium salts, poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts, amine oxides, C10-16-alkyldimethy, ethanol	205	Y
	Hand Soap	50 cu in (1)	U	unknown	221	Y
	GOJO® Premium Lotion Hand Soap	1 gal (1)	U	sodium laureth sulfate, cocamidopropyl betaine, glycerin	317	Y
	Lysol Disinfecting Wipes	16.7 oz (5)	3 UO, 2 U	ethanol, D-Glucopyranose, oligomeric, C9-11-alkyl glycosides, quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	317	Y
	Isopropyl Alcohol	32 fl oz (1)	U	isopropyl alcohol	382	Y
	Hand Sanitizer	12 fl oz (1)	U	aqua, acrylates/C10-30 alkyl acrylate crosspolymer, aminomethyl propanol, ethyl alcohol 70%, glycerin, tocopheryl acetate	382	Y
	Terro Fruit Fly Trap	1 fl oz (1)	U	sodium lauryl sulfate	561	Y

* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D).

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

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

Preparer's Name Brad Koontz Date/Time Prepared 3/4/2026, 9:45AM

Preparer's Affiliation Langan Engineering Phone No. 212-479-5400

Purpose of Investigation Corrective Measures Work Plan

1. OCCUPANT:

Interviewed: Y /(N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

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

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

Interviewed: (Y)/ N

Last Name: Serban First Name: Robert

Address: 44-30 Purves Street, Long Island City, NY, 11101

County: Queens

Home Phone: N/A Office Phone: (718) 786-8889

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

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

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

If multiple units, how many? 272

If the property is commercial, type?

Business Type(s) Dentist Office, Restaurant

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

Other characteristics:

Number of floors 37 Building age 9

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

4. AIRFLOW

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

Airflow between floors

N/A

Airflow near source

N/A

Outdoor air infiltration

N/A

Infiltration into air ducts

N/A

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

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

Basement/Lowest level depth below grade: 0 (feet)

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

1st floor soil vapor riser sampling ports

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

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

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

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: natural gas

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other 1st floor
Air conditioning:	(Central Air)	Window units	Open Windows	None

Are there air distribution ducts present? (Y) / N

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

Air ducts present on first floor ceilings of maintenance and non-residential areas; ducts sealed and in good condition

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	No basement
1st Floor	Lobby, lounge area, community space
2nd Floor	Lobby, lounge area, community space
3rd Floor	Residential
4th Floor	Residential

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? (Y) / N

b. Does the garage have a separate heating unit? Y / N / (NA)

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

d. Has the building ever had a fire? Y / (N) When?

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type?

g. Is there smoking in the building? Y / (N) How frequently?

h. Have cleaning products been used recently? (Y) / N When & Type? Daily, floor cleaner

i. Have cosmetic products been used recently? Y / (N) When & Type?

j. Has painting/staining been done in the last 6 months? (Y) / N Where & When? Various, weekly

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

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

m. Is there a kitchen exhaust fan? (Y) / N If yes, where vented? Residential units

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented? Residential units

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

p. Has there been a pesticide application? (Y) / N When & Type? July 2025, Lantern Fly Pesticide

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

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

If yes, what types of solvents are used? _____

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

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

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

Is there a radon mitigation system for the building/structure? (Y) / N Date of Installation: 3/6/2018
Is the system active or passive? (Active)/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: N/A

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

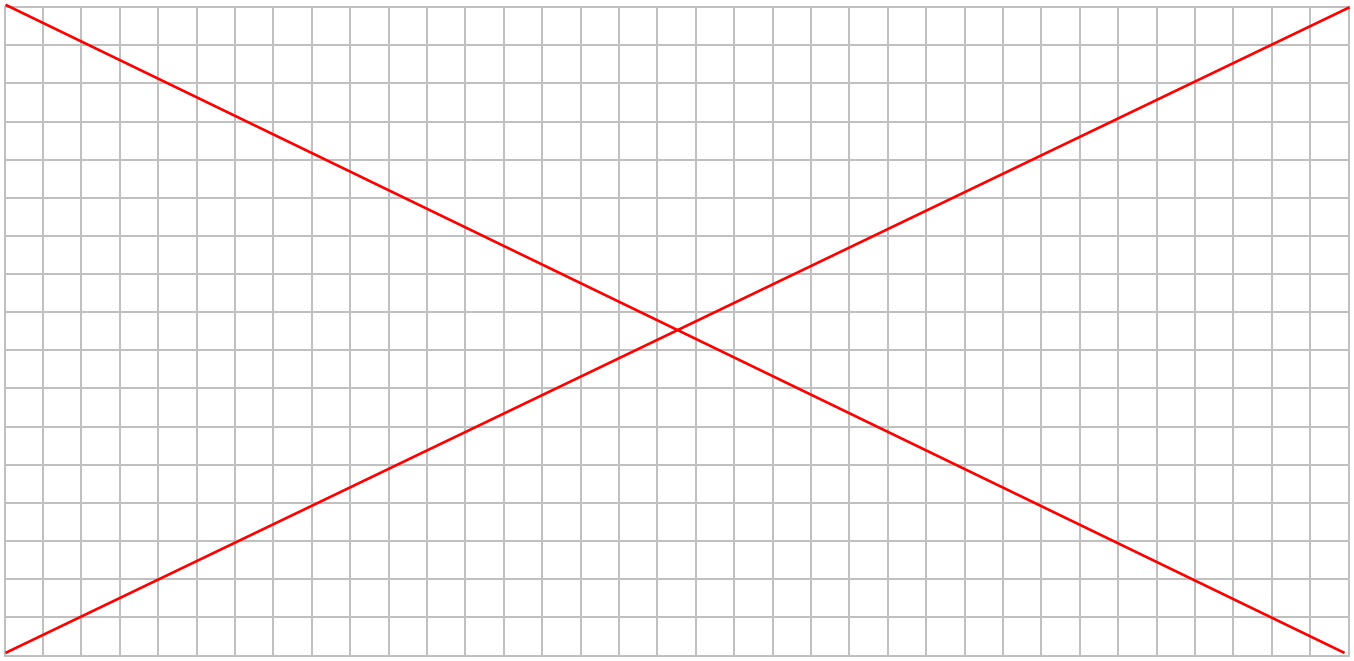
c. Responsibility for costs associated with reimbursement explained? Y / N

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

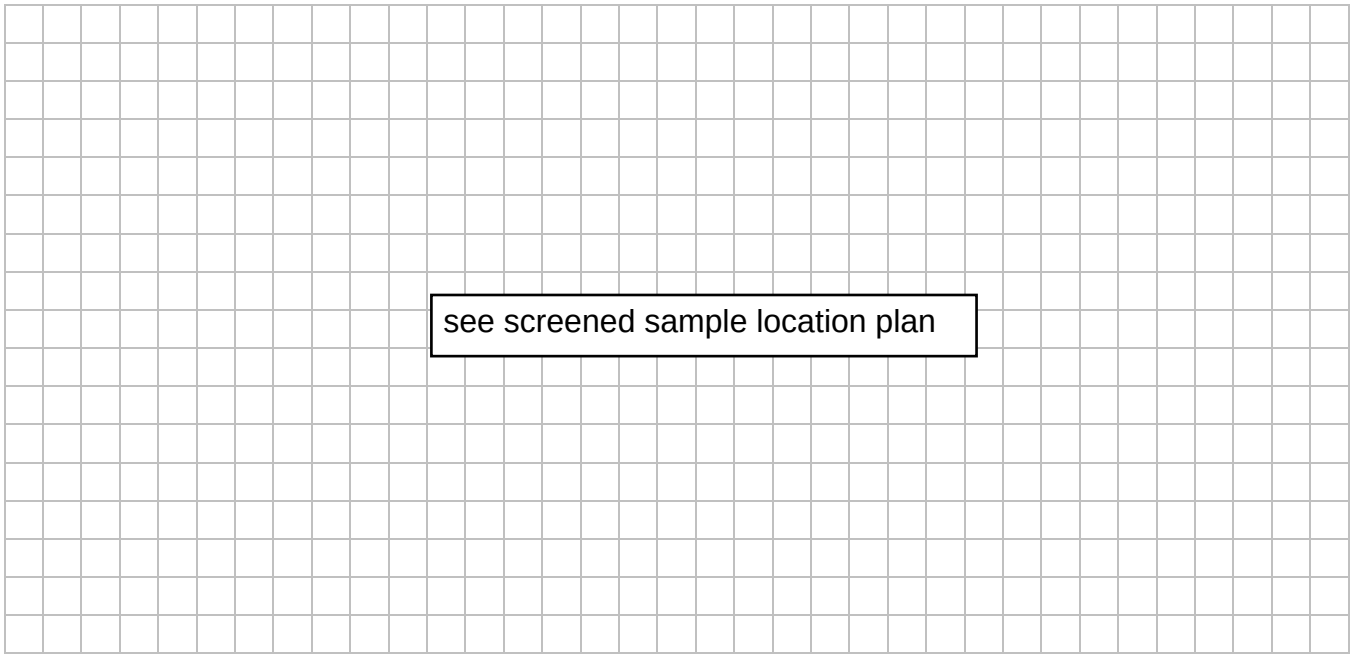
11. FLOOR PLANS

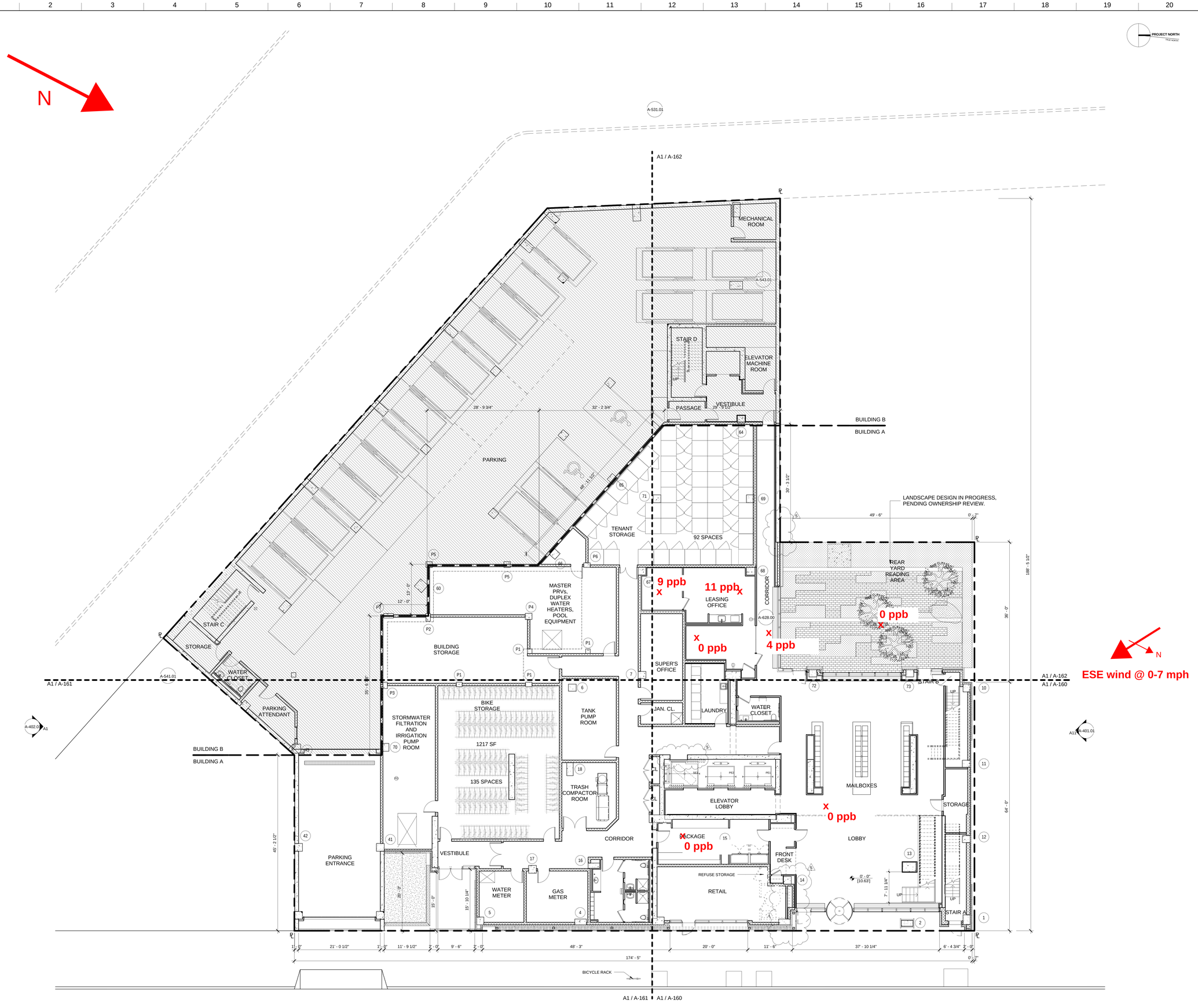
Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement: no basement

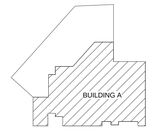


First Floor:





KEY PLAN:



NO.	REVISIONS | SUBMISSIONS	DATE
5	BULLETIN #6	10/09/15
4	CSK-038	07/30/15
3	CSK-034	07/23/15
2	BULLETIN #2	05/01/15
1	ISSUED FOR CONSTRUCTION	10/31/14
	DOB SUBMISSION	10/21/14
	ISSUED FOR BIDDING	08/15/14
	DESIGN DEVELOPMENT	05/30/14
	SCHEMATIC DESIGN	03/14/14

FXFOWLE

FXFOWLE ARCHITECTS, LLP | 22 WEST 19TH STREET | NEW YORK, NY 10011 | T 212.627.1700 | F 212.463.8716 | WWW.FXFOWLE.COM

DESIMONE CONSULTING ENGINEERS
18 West 18th Street, New York, NY 10011 212.532.2211

ICOR ASSOCIATES, LLC
485C Route 1 South, Iselin, NJ 08830 908.272.3300

LANGAN ENGINEERING
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001 212.479.5400

VAN DEUSEN & ASSOCIATES
5 Regent Street, Livingston, NJ 07039 973.994.9220

SAGE AUDIO VIDEO TECHNOLOGY
153 West 27th Street Suite 301, New York, NY 10001 212.213.1523

TRACE POOL DESIGN
401 SOUTH WATER STREET, WINDSOR, NY 12553 845.562.5611

PFI
224 WEST 29TH STREET, NEW YORK, NY 10001 212.268.2886

LIC PURVES STREET DEVELOPMENT
BUILDING A
44-26 PURVES STREET, QUEENS, NY

DRAWING TITLE:
1ST FLOOR PLAN

Seal:

Drawn: CPC	Project No.: 13072.L00
Checked: MC	Cad File:
Reviewed: MC	Drawing No.:
Date: 05/01/15	A-101.00
Scale: As indicated	Sheet 28 of 122

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A1	1ST FLOOR PLAN
1/8" = 1'-0"	1ST FLOOR MARKETING PLAN

10/5/2015 2:29:24 PM

Indoor Air Quality Investigation
Pre-Inspection Product Inventory

Site Name: 44-30 Purves Street **Langan Project No.: 170282501**

Site Location: Long Island City, NY **Date: 3/4/2026**

Make and model of field instrument used: ppbRAE 3000

Location	Product Description	Size (units)	Condition*	Chemical Ingredients/Cas number	Field Instrument Reading (ppb)	Photo Y/N
Leasing Office	Dawn Ultra Dishwashing Liquid	22 fl oz (1)	U	sulfuric acid, mono-C10-16-alkyl esters, sodium salts, poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts, amine oxides, C10-16-alkyldimethy, ethanol	31	Y
	Hand Soap	50 cu in (1)	U	unknown	50	Y
	GOJO® Premium Lotion Hand Soap	1 gal (1)	U	sodium laureth sulfate, cocamidopropyl betaine, glycerin	36	Y
	Lysol Disinfecting Wipes	16.7 oz (5)	3 UO, 2 U	ethanol, D-Glucopyranose, oligomeric, C9-11-alkyl glycosides, quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	30	Y

* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D).

APPENDIX H

COMPOSITE COVER SYSTEM INSPECTION FORM

COMPOSITE COVER SYSTEM INSPECTION CHECKLIST

Site Name: 44-30 Purves Street Location: Long Island City, NY Project Number: 170282502

Inspector Name: Kiki Wallick, Melanie Lindblom Date: 8/28/2025 Weather Conditions: Cloudy, 75 ºF

Reason for Inspection (i.e., routine, severe condition, etc.): Annual Inspection

Check one of the following:
(Y: Yes N: No N/A: Not Applicable)

		Y	N	N/A	Is the Situation Normal?	Remarks
	General					
1	What are the current site conditions?	–	–	✓	Y	Building is complete and occupied.
	Impermeable Cap					
2	Are there any indications of a breach in the capping system at the time of this inspection?		✓		Y	
3	Is there any construction activity, or indication of any construction activity within the past certification year (including any tenant improvements), that included the breaching of the capping system, on-site at the time of this inspection?		✓		Y	
4	If YES to number 3, is there documentation that the Soil Management Plan, HASP, and CAMP for the site was/is being followed?			✓	Y	

** **If the answer to any of the above questions indicate non-compliance with ECs for the site, additional remarks must be provided and, where applicable, documentation attached to this checklist detailing additional inspection and repair activities.**

*

Additional remarks:

Surficial cracks observed in LevelQuik RS installed by building staff in 2023.

Minimum Inspection Schedule:

- Site-wide inspections will be conducted annually, per certification year, at a minimum.
- Additional inspections will also be conducted at times of severe weather condition events.
- All inspection events will use this checklist.

LANGAN

APPENDIX I

SMD SYSTEM INSPECTION FORM

SMD SYSTEM INSPECTION CHECKLIST

Site Name: 44-30 Purves Street Location: Long Island City, NY Project Number: 170282502

Inspector Name: Kiki Wallick, Melanie Lindblom Date: 8/28/2025 Weather Conditions: Cloudy, 60s-70s ºF

Reason for Inspection (i.e., routine, severe condition, etc.): Annual Inspection

Check one of the following:
(Y: Yes N: No N/A: Not Applicable)

		Y	N	N/A	Is the Situation Normal?	Remarks
	Records					
1	Is the Operations & Maintenance Plan readily available on-site?	✓			Y	Records available in Langan digital archives.
2	Based on site records, when was the last inspection, maintenance, or repair event?			✓	Y	Electrical repair started on 8/28/2025
3	Based on site records, was the system inoperational for any amount of time since the last inspection, maintenance, or repair event? For how long? Provide details.	✓			N	Electrical outage impacting North Blower system identified on 8/26/2025
	Alarm System					
4	Do the alarm lights indicate that the system is operational?		✓		N	Electrical outage impacting North Blower alarm light.
	General System					
5	Is there any construction activity, or indication of any construction activity within the past certification year (including any tenant improvements), that included the breaching of the floor slab, on-site at the time of this inspection?		✓		Y	
6	If YES to number 5, is there documentation that the Soil Management Plan, HASP, and CAMP for the site was/is being followed?			✓	N/A	
7	If YES to number 5, is there documentation that all breaches in the floor slab have been sealed?			✓	N/A	
8	Does all visible SSD piping appear intact and undamaged?	✓			Y	
9	Have any intake points been constructed at the roof near (less than 10 feet) the SMD blower discharge point?		✓		Y	
	SSD Blower Unit					
10	Is the SSD blower operational at the time of the inspection?		✓		N	North Blower non-operational due to electrical outage. Ongoing electrical repair work to North Blower system.
11	What is the VelociCalc Meter reading?	✓			Y	South Blower: 127.99 CFM North Blower: N/A
12	Is the SSD blower expelling air at the discharge point?	✓			Y	

*****If the answer to any of the above questions indicates the SMD system is non-operational or malfunctioning, or that this EC is in non-compliance, additional remarks must be provided and, where applicable, documentation attached to this checklist detailing additional inspection and repair activities*****

Additional remarks:
PID Reading at South Blower: 0.1 ppm, Vacuum Gauge at South Blower: 50 " H2O
PID Reading at North Blower: 0.0 ppm, Vacuum Gauge at North Blower: N/A
The first floor riser pipe connected to the north blower is drained of accumulated condensation every three months.

Minimum Inspection Schedule:

- SMD system inspections will be conducted quarterly for the first certification year at a minimum.
- Additional inspections will also be conducted at times of maintenance, repair, or severe condition events.
- The minimum schedule will be revised, as necessary, following the first certification year.
- All inspection events will use this checklist.

APPENDIX J

SITEWIDE INSPECTION FORM

SITE INSPECTION CHECKLIST

Site Name: 44-30 Purves Street Location: Long Island City, NY Project Number: 170282502

Inspector Name: Kiki Wallick, Melanie Lindblom Date: 8/28/2025 Weather Conditions: Cloudy 75 ºF

Reason for Inspection (i.e., routine, severe condition, etc.): Annual Inspection

Check one of the following:
(Y: Yes N: No N/A: Not Applicable)

		Y	N	N/A	Is the Situation Normal?	Remarks
	General					
1	What are the current site conditions?			✓	Y	Building is complete and occupied.
2	Are all applicable site records (e.g., documentation of construction activity, SMD system maintenance and repair, most current easement, etc.) complete and up to date?	✓			Y	
	Environmental Easement					
3	Has site use (restricted residential) remained the same?	✓			Y	
4	Does it appear that all environmental easement restrictions have been followed?	✓			Y	
	Impermeable Cap					
5	Are there any indications of a breach in the capping system at the time of this inspection?		✓		Y	Capping system intact at the time of the inspection. No active construction.
6	Are there any cracks in the building slabs?		✓		Y	
7	Are there any cracks in the building walls?		✓		Y	
8	Is there any construction activity, or indication of any construction activity within the past certification year (including any tenant improvements), that included the breaching of the capping system, on-site at the time of this inspection?		✓		Y	
9	If YES to number 7, is there documentation that the Soil Management Plan, HASP, and CAMP for the site was/is being followed?			✓	Y	

**

* **If the answer to any of the above questions indicate non-compliance with any IC/ECs for the site, additional remarks must be provided and, where applicable, documentation attached to this checklist detailing additional inspection and repair activities.**

Additional remarks:

Surficial cracks observed in LevelQuik RS installed by building staff in 2023. LevelQuik RS installed above building slab in tenant-accesibles areas per ADA compliance.

Minimum Inspection Schedule:

- Site-wide inspections will be conducted annually, per certification year, at a minimum.
- Additional inspections will also be conducted at times of severe weather condition events.
- All inspection events will use this checklist.

APPENDIX K

ICEC CERTIFICATION FORM

8/12/2025

David Brause
Member
Purves Street Owners LLC
52 Vanderbilt Avenue
c/o Brause Realty Inc.
New York, NY 10017
DAB@BrauseRealty.com

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: 44-30 Purves Street
Site No.: C241162
Site Address: 44-30 Purves Street
Long Island City, NY 11101

Dear David Brause:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **October 30, 2025**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Professional Engineer (PE). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, must be submitted in electronic format to the Department of Environmental Conservation. The required format for documents is an Adobe PDF file with optical character recognition and no password protection. Data must be submitted as an electronic data deliverable (EDD) according to the instructions on the following webpage:

https://www.dec.ny.gov/chemical/62440.html

Documents may be submitted to the project manager either through electronic mail or by using the Department's file transfer service at the following webpage:

https://fts.dec.state.ny.us/fts/

The Department will not approve the PRR unless all documents and data generated in support of the PRR have been submitted using the required formats and protocols.

You may contact Haala Al-Hadithy, the Project Manager, at (718) 482-6454 or haala.al-hadithy@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation
One Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/ enclosures

ec: w/ enclosures
Haala Al-Hadithy, Project Manager
Andre Obligado, Chief, Region 2 - Remediation Section C
Jane O'Connell, Regional Remediation Engineer, Region 2
Langan Engineering - Jason Hayes - jahayes@langan.com

The following parcel owner did not receive an ec:
Purves Street Owners LLC - Parcel Owner

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

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

Site Details **Box 1**

Site No. C241162

Site Name 44-30 Purves Street

Site Address: 44-30 Purves Street Zip Code: 11101
City/Town: Long Island City
County: Queens
Site Acreage: 0.622

Reporting Period: September 30, 2024 to May 22, 2026

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

Box 2

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

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

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

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

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

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

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

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

SITE NO. C241162 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
268-1	Purves Street Owners LLC	Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan O&M Plan Soil Management Plan IC/EC Plan

Intuitional controls mandate operation, maintenance, monitoring and reporting measures for all Engineering controls. They provide restriction on site usage and prevent future exposure to remaining contamination by controlling subsurface disturbances.

The site may be used for restricted residential as described in 6 NYCRR part 375-1.8(g)(2)(ii), commercial as described in 6 NYCRR part 375-1.8(g)(2)(iii) and industrial as described in 6 NYCRR part 375-1.8(g)(2)(iV). All engineering Controls (ECs) must be operated and maintained as specified in the site management plan(SMP). All ECs must be inspected at a frequency and in a manner defined in the SMP. The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health and Mental Hygiene to render it safe for use as drinking water or for industrial purposes, and the user first notify and obtain written approval to do so from the Department. Groundwater and other environmental or public health monitoring must be performed as defined in the SMP. Data and information pertinent to Site Management of the Controlled property must be reported at the frequency and in a manner defined in the SMP. All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP. Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restriction identified by this environmental easement.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
268-1	Vapor Mitigation Cover System

Engineering controls include a composite cover system to prevent future exposure to the residual contamination remaining in place and a submembrane depressurization system to mitigate soil vapor intrusion.

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
☑	☐

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

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

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

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

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

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

YES	NO
☑	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C241162

Box 6

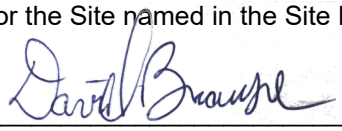
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I David Brause (print name) at 52 Vanderbilt Ave, NY, NY 10017 (print business address),

am certifying as Owner (Owner or Remedial Party)

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



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

7 - 24 - 2026
Date

EC CERTIFICATIONS

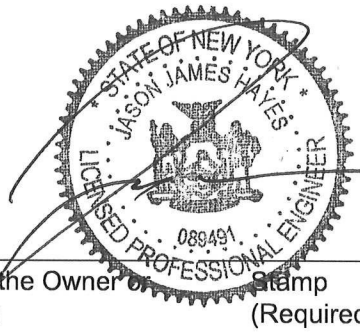
Box 7

Professional Engineer Signature

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

I JASON HAYES at 368 9TH AVE, 8TH FL, NEW YORK, NY,
print name print business address

am certifying as a Professional Engineer for the OWNER
(Owner or Remedial Party)



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

Stamp (Required for PE)

7-27-2026
Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated

the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.