ANNUAL INSPECTION / PERIODIC REVIEW REPORT
PUBLIC SCHOOL 710K
168 8TH STREET
BROOKLYN, NEW YORK 11215
Site No.: C224266
CERTIFICATION PERIOD
DECEMBER 30, 2024 TO DECEMBER 30, 2025

PREPARED FOR:

NYC Public Schools
Melissa Aviles-Ramos
Chancellor

New York City Department of Education
Office of Environmental Health and Safety
44-36 Vernon Blvd.
Long Island City, New York 11101

PREPARED BY:

ATC
ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

ATC Group Services, LLC
104 East 25th Street, 8th Floor
New York, New York 10010-2917

Date of Issue: March 24, 2026

ATC Project No. Z214SS0387

TABLE OF CONTENTS

PROJECT DIRECTORY

CLIENT:	New York City Department of Education Office of Environmental Health and Safety 44-36 Vernon Blvd. Long Island City, New York 11101
PROJECT LOCATION:	Public School 710K 168 8th Street Brooklyn, New York 11215
PROJECT TECHNICAL SUPPORT	New York City School Construction Authority 30-30 Thomson Avenue Long Island City, New York 11101 TRC Engineers, Inc. 1430 Broadway New York, NY 10018
DESCRIPTION OF WORK:	Review O&M plan and prior reports; review custodian's logbook, walk-through visual inspection
ATC REPRESENTATIVES:	Gilbert Gedeon, P.E., Principal Engineer Dillon Hustoo, Inspector

EXECUTIVE SUMMARY

ATC Group Services LLC (ATC) conducted the annual site inspection of the Engineering Controls as they relate to the Vapor Barrier and the Sub-Slab Depressurization System (SSDS) at Public School 710K located at 168 8th Street in Brooklyn, NY on January 14, 2026.

During the inspection, ATC noted that the custodian's Monthly or Severe Condition Inspection Forms were prepared for the months of January 2025 through January 2026. The Routine and Preventative Maintenance Checklists were completed for the months of April and October 2025. ATC observed that the Building Management System (BMS) and Alarm Indication Station (AIS) were functional and connected to the SSDS units. Both SSDS units were operational. A spare fan was located in Room 306. No significant cracks were observed in the foundation floors and walls. All monitoring points were checked and found to be clear of obstruction and intact.

Based on the aforementioned, ATC concludes that the Engineering Controls have not changed and appear to be effective, and no changes have occurred that would reduce the ability of the controls to protect public health and the environment. Accordingly, ATC advise the custodial staff to continue conducting monthly and semiannual inspections and document the findings in the Monthly or Severe Condition Inspection Forms and the Routine and Preventative Maintenance Checklists, respectively.

1.0 INTRODUCTION

ATC is pleased to provide this Annual Inspection Report for the certification period of December 30, 2024 through December 30, 2025 to the New York City Department of Education Office of Environmental Health and Safety (NYC DOE/EHS) as it relates to Public School 710K, located at 168 8th Street in Brooklyn, NY. This work was completed at the request of NYC DOE.

The scope of work for this service included:

1. Review of the school custodian's inspection logs indicating his routine walk-throughs to identify any observed changes to the interior surfaces and roof-mounted fan units;
2. Roof-mounted SSDS vent stack inspection;
3. Cellar floor inspection and exterior inspection for concrete cracks;
4. Verification of the condition of monitoring points;
5. Review of prior reports; and
6. Photographic documentation of observations.

This report was developed to document: (a) the changes to the engineering controls if any, and (b) whether the program for maintenance and monitoring is being followed and is effective. Mr. Gilbert Gedeon, Professional Engineer (PE), of ATC, conducted the annual site inspection on January 14, 2026. ATC was accompanied by Mr. Don LaMastra, the school's Custodian.

2.0 ENGINEERING CONTROLS

According to the Operation and Maintenance (O&M) Plan prepared by TRC Engineers, Inc. (TRC) dated July 2023, Public School 710K contains engineering controls that include a Vapor Barrier and an SSDS constructed to prevent contaminants in the soil vapor beneath the school building from entering the building. A program for maintenance and monitoring was developed to ensure that the engineering controls implemented during the school's operation are properly maintained.

2.1 Fluid Applied Gas Vapor Barrier

The fluid applied GVB was installed beneath the building floor slab, on subgrade walls, and around pits of the school building as a precautionary measure to prevent soil vapor from entering the school building in the future.

2.2 Sub-Slab Depressurization System

An SSDS was also installed in the school as an added safeguard to prevent soil gas vapors from entering in the future. The primary components of the SSDS include the following:

- Two (2) sub-slab pits (P-1 and P-2) located beneath the slab of the school building;
- Two (2) SSDS vertical risers (VR-1 and VR-2) connecting the SSDS pits to two (2) roof top fans;
- Additionally, one (1) spare fan in manufacturer's original packaging will be kept on-site;
- Two (2) pressure switches installed in SSDS piping that will signal an alarm to Alarm Indication Stations if a low vacuum condition occurs; and
- Four (4) monitoring points (MP-1, MP-2, MP-3, and MP-4) located in the lowest level slab of the school building.

3.0 SITE INSPECTIONS AND SSDS REPAIRS

3.1 Review of Custodian's Inspection Logs

The following was reviewed with Mr. LaMastra:

1. The custodian's Monthly or Severe Condition Inspection Forms were prepared for the months of January 2025 through January 2026.

2. The Routine and Preventative Maintenance Checklists were completed for the months of April and October 2025.

3. As part of the annual inspection, ATC provided annual refresher training and advised the custodial staff to continue to conduct the inspection on a monthly and semi-annual basis and document the observations in the Monthly or Severe Condition Inspection Forms, as well as the Routine and Preventative Maintenance Checklists, respectively.

The Monthly or Severe Condition Inspection Forms are included in Attachment 2. The Routine and Preventative Maintenance Checklists are included in Attachment 3. The Training Acknowledgement Letter is included in Attachments 4.

3.2 ATC's Visual Observations

ATC conducted visual observations and photographic documentation while accompanied by Mr. LaMastra. Site photographs are included Attachment 5, the Annual Inspection Form is included in Attachment 6. The Annual Monitoring Point Inspection Checklist is included in Attachment 7.

During the walkthrough inspection, ATC noted the following:

- The BMS and AIS are functional and connected to the SSDS;
- Both SSDS fan units are operational; and
- A spare fan is located in Room 306.

3.2.1 Roof SSDS Blower Inspection

1. Both SSDS fan units are operational;
2. Rust was not observed in the vicinity of the posts and sleeves of the SSDS vent stacks;
2. SSDS fan stack guy wires are in good condition;
3. SSDS fan mounting and vibration isolators are intact;
4. Motor housings are intact and exterior surfaces are clean; and
5. Bolts and set screws are tight.

3.2.2 Cellar Floor Inspection

ATC inspected the accessible areas of the cellar and ground floor and walls and did not observe any significant cracks.

ATC also checked all the monitoring points associated with the SSDS system to verify the condition and found them to be intact and clear of obstructions.

ATC's observation of the cellar concrete floor was limited due to architectural finishes such as ceramic floor tiles, vinyl floor tiles and wood flooring. ATC's observation of the cellar floor was also limited by shelving, cabinets, equipment and furniture.

3.2.3 Exterior Inspection

ATC inspected the perimeter of the property including paved and unpaved areas. This included paved walkways along the exterior of the property building, as well as a synthetic turf playground on the southern portion of the property along 9th Street. There was no evidence of pavement removal or penetrations. No structures have been constructed through the paved areas. There were no signs of soil washing or erosion.

4.0 POST-MITIGATION INDOOR AIR QUALITY SURVEY

ATC previously reviewed the Post-Mitigation Indoor Air Quality (IAQ) Survey letter report prepared by TRC and dated March 5, 2024 as part of the 2024 Periodic Review Report (PRR). The IAQ sampling event was performed in accordance with the NYSDEC-approved Site Management Plan (SMP) dated August 16, 2023 for Public School 710K. The SMP required that indoor air sampling be conducted within one year of the SSDS startup. In addition, this sampling must be conducted during the heating season. The sampling activities were conducted on February 8 and February 9, 2024.

During the pre-sampling building inspection, a parts per billion (ppb) range photoionization detector (PID) was utilized as a screening tool within the building for the presence of organic vapors. No PID readings were detected above 0 ppb throughout the basement or the first floor. Three indoor air samples and one ambient air sample were collected over an 8-hour time period. These samples were analyzed for volatile organic compounds (vocs) utilizing United States Environmental Protection Agency (USEPA) Method TO-15. Analytical results for the indoor/ambient air samples were compared to the New York State Department of Health (NYSDOH) Air Guidance Values (AGVs) presented in the NYSDOH Vapor Intrusion Guidance Document. During the post-mitigation indoor air quality survey conducted in 2024, no VOCs were detected in the indoor air samples or the ambient air sample above the corresponding NYSDOH AGVs.

The Post-Mitigation IAQ Letter is included in Attachments 8.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on visual observations, ATC concludes the following:

1. The BMS and AIS are functional and connected to the SSDS;
2. SSDS-1 and SSDS-2 are operating as normal;
3. All monitoring points are clear of obstructions and intact;
4. A spare fan unit is located in Room 306;
5. No significant cracks were observed;
6. Monthly and semiannual inspections were conducted and documented;
7. Engineering controls have not changed and appear to be effective; and
8. No changes have occurred that would reduce the ability of the controls to protect public health and the environment.

Based on document review and visual observations, ATC recommends the following:

1. Continue conducting monthly and semiannual inspections and document the findings in the Monthly or Severe Condition Inspection Forms and the Routine and Preventative Maintenance Checklists, respectively.

6.0 STANDARDS OF CARE

ATC's work was performed in a professional manner with the best interest of our client in mind. Our objective was to perform our work with care, exercising the customary skills and competence of consulting professionals in the relevant disciplines. The conclusions presented in this report are professional opinions based upon visual observations and site documents review. The conclusions expressed in this report reflect only the limited inspections of specific locations. The opinions and recommendations presented herein apply to site conditions existing at the time of our observations. ATC cannot act as insurers, and no expressed or implied representation or warrant is included or intended in our report except that our work was performed, within the limits prescribed by our clients, with the customary thoroughness and competence of our profession at the time and place the services were rendered.

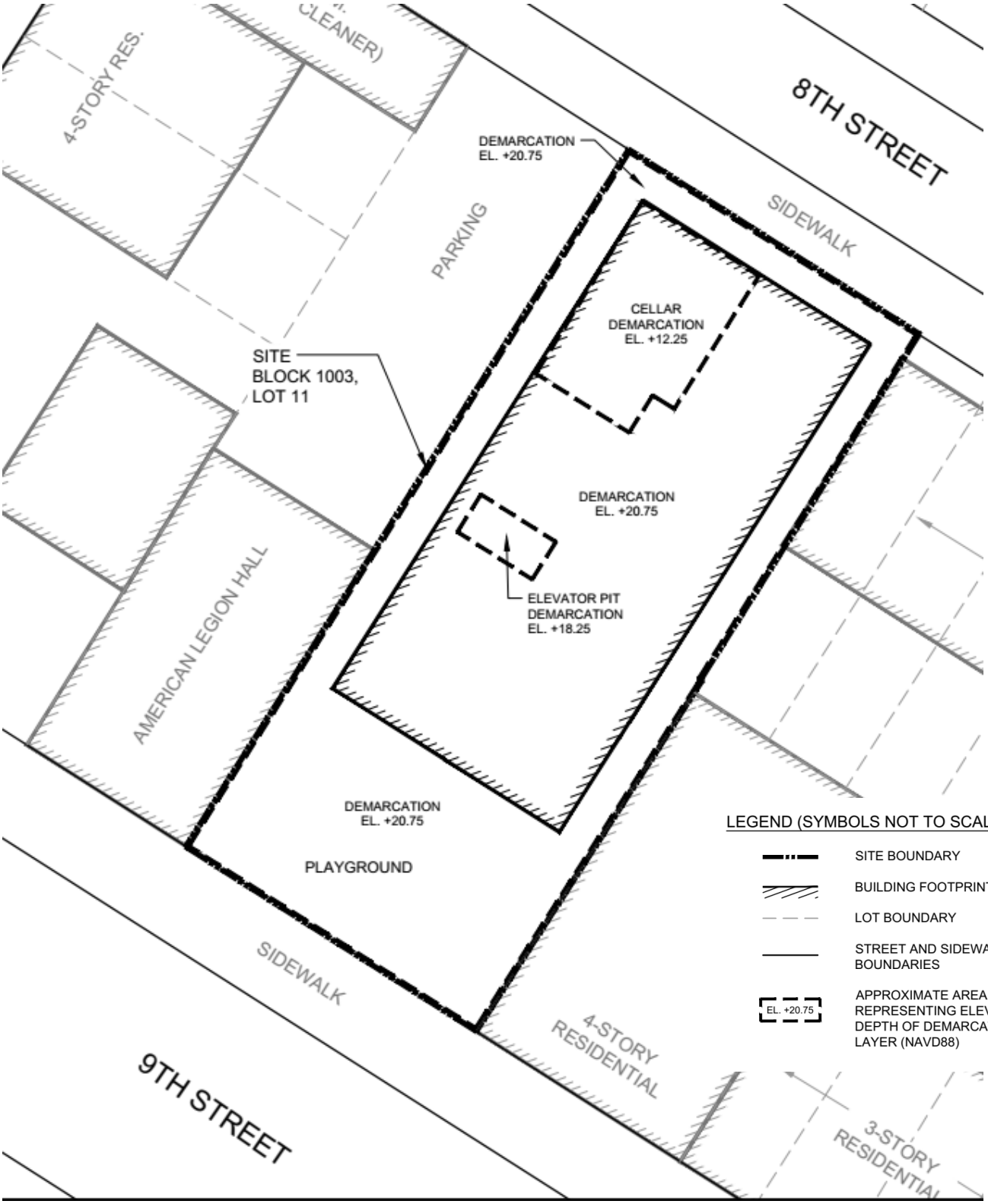
It is our pleasure to provide our consultative services to the NYCDOE. If you have any questions about this report, please call (212) 353-8280.

Sincerely,
ATC GROUP SERVICES, LLC

Gilbert Gedeon, P.E.
Principal Engineer

cc: D. Balota
D. Cosenza

FIGURES



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Source – Site Management Plan, NYSDEC Site No.: C224266 prepared by TRC Engineers, Inc. and dated July 2023

FIGURE 1 – SITE LAYOUT MAP

SITE: Public School 710K
168 8th Street
Brooklyn, New York 11215

BCP Site No. C224266

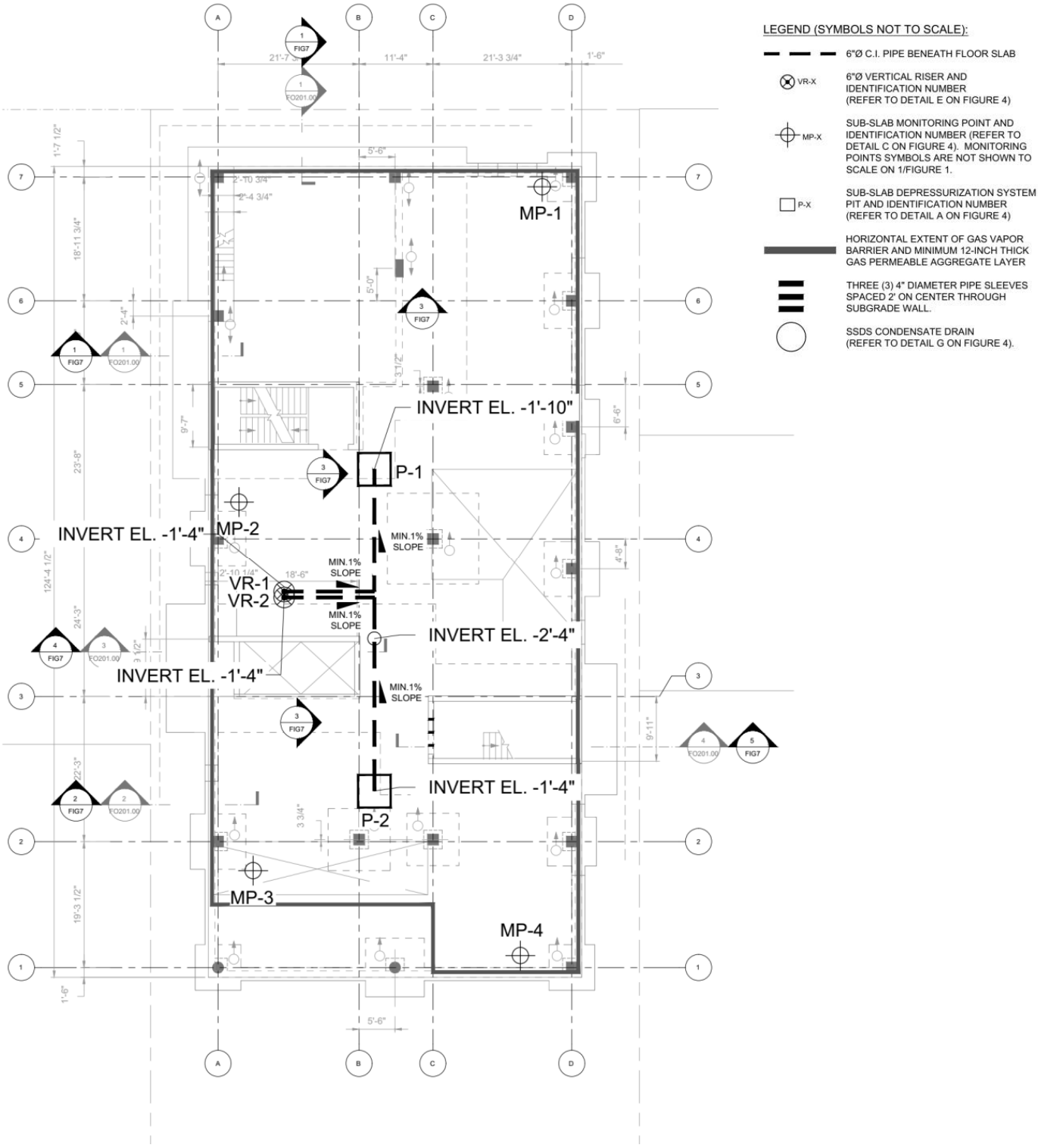

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FIGURE 2 – ENGINEERING CONTROL MAP

SITE: Public School 710K
168 8th Street
Brooklyn, New York 11215

BCP Site No. C224266

Source – Site Management Plan, NYSDEC Site No.: C224266 prepared by TRC Engineers, Inc. and dated July 2023

Attachment 1
NYSDEC Reminder Notice and Certification Form

NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor
AMANDA LEFTON
Commissioner

11/4/2025

Hasan Siddiqui
Department of Education
44-36 Vernon Blvd
Long Island City, NY 11101
hsiddiqui2@schools.nyc.gov

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: 168 8th Street
Site No.: C224266
Site Address: 168 8TH STREET
Brooklyn, NY 11215

Dear Hasan Siddiqui:

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 **January 29, 2026**. 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 by contacting the project manager for a link to DEC's file transfer service.

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 Wendi Zheng, the Project Manager, at 718-482-7541 or wendi.zheng@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

Nyc School Construction Authority - condrusek@nycsca.org

Department of education - Saritha Thumma - sthumma@schools.nyc.gov

ec: w/ enclosures

Wendi Zheng, Project Manager
Andre Obligado, Chief, Region 2 - Remediation Section C
Jane O'Connell, Regional Remediation Engineer, Region 2
Atlas Technical Consultants LLC - Gilbert Gedeon - Gilbert.gedeon@oneatlas.com
Atlas Technical Consultants LLC - Denise Cosenza - Denise.cosenza@oneatlas.com

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. **C224266**

Site Name 168 8th Street

Site Address: 168 8TH STREET Zip Code: 11215
City/Town: Brooklyn
County: Kings
Site Acreage: 0.310

Reporting Period: December 30, 2024 to December 30, 2025

	YES	NO
1. Is the information above correct?	X	
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?		X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		X
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?		X

Box 2

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

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. C224266 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
1003-11	NYC School Construction Authority	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan O&M Plan IC/EC Plan Monitoring Plan

Imposition of an institutional control in the form of environmental easement for the controlled property which will:
-require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for restricted-residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH; and
- require compliance with the Department approved Site Management Plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
1003-11	Vapor Mitigation Cover System

A site cover will be required to allow for restricted-residential use of the site in areas where the upper two feet of exposed surface soil will exceed the restricted-residential soil cleanup objectives (SCOs). Where a soil cover is to be used it will be a minimum of two feet of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the site, will meet the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d). Substitution of other materials and components may be allowed where such components already exist or are a component of the tangible property to be placed as part of site redevelopment. Such components
may include, but are not necessarily limited to: pavement, concrete, paved surface parking areas, sidewalks, building foundations and building slabs.

Any future on-site buildings will be required to have a sub-slab depressurization system, or a similar engineered system, to prevent the migration of vapors into the building from soil and/or groundwater.

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
X	

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
X	

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. C224266

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 Sarita Thumma (print name) at DSF 44-36 Vernon Blvd, LIC, NY, (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

4/6/26
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 Gilbert Gedeon (print name) at ATC dba Atlas, 104 E 25th St, NY, NY 10010 (print business address),

am certifying as a Professional Engineer for the NYC Department of Education (Owner or Remedial Party)

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
		03/24/2026

Attachment 2
Custodian Monthly or Severe Condition Inspection Forms

Custodial Engineer Monthly or Severe Condition Inspection Form

PS K710

Inspector Name/Title: Victor Meade / Handyman
Inspection Date/Time: 1/3/25 9:30 am

Purpose: (circle one) (Monthly) Inspection Severe Condition Inspection (describe)

		Yes / No *	Notified Person / Date
A. VAPOR BARRIER INSPECTION	**1. Walk the entire lowest level floor(s)**	yes	
	* Any visible cracks in the building floor?	no	
	* Any other visible openings (unintended) in the building floor?	no	
	* Any construction activities affecting the building floor?	no	
	* Any visible cracks in any accessible pits (e.g., ejector pit)?	no	
	** Notification of DOE EHS is required if cracks are noted. Include the following information: - Draw approximate location of floor/wall cracks/openings on site map. - Note the length of the crack/opening. Note the width of the crack/opening.	N/A	
B. SSDS INSPECTION	**1. Walk the entire roof surface.**	yes	
	* Any rust or other debris (bird nest, etc.) in or on SSDS Exhaust Stacks?	no	
	* Note reading on vacuum pressure gauge for the operating fans (SF-1 = 3) (SF-2 = 3)	yes	
	* Are SSDS fan units functioning at a lower vacuum than the previous inspection?	no	
	* Is the spare fan unit missing from the school?	no	
	* Is the SSDS in alarm?	no	
C. ACTIONS TAKEN	SSDS1 - 1 Bolt loose		
	Bolt has been tightened.		
	Inspector's Signature: Victor Meade		

Custodial Engineer Monthly or Severe Condition Inspection Form
PS K710

Inspector Name/Title: DON LAMASTRA CE K710
Inspection Date/Time: 2/18/25 2:09 pm

Purpose: (circle one) Monthly Inspection / Severe Condition Inspection (describe)

		Yes / No *	Notified Person / Date
A. VAPOR BARRIER INSPECTION	**1. Walk the entire lowest level floor(s)**	yes	
	* Any visible cracks in the building floor?	no	
	* Any other visible openings (unintended) in the building floor?	no	
	* Any construction activities affecting the building floor?	no	
	* Any visible cracks in any accessible pits (e.g., ejector pit)?	no	
	** Notification of DOE EHS is required if cracks are noted. Include the following information: - Draw approximate location of floor/wall cracks/openings on site map. - Note the length of the crack/opening. Note the width of the crack/opening.	N/A	
B. SSDS INSPECTION	**1. Walk the entire roof surface.**	yes	
	* Any rust or other debris (bird nest, etc.) in or on SSDS Exhaust Stacks?	no	
	* Note reading on vacuum pressure gauge for the operating fans (SF-1 = 3) (SF-2 = 3)	yes	
	* Are SSDS fan units functioning at a lower vacuum than the previous inspection?	no	
	* Is the spare fan unit missing from the school?	no	
	* Is the SSDS in alarm?	no	

C. ACTIONS TAKEN

2/16 - 2/17/25 Strong winds 30-40 mph with 50 mph Gusts. Checked system following.

Inspector's Signature: Don Lamastra

Custodial Engineer Monthly or Severe Condition Inspection Form
PS K710

Inspector Name/Title: Victor Meade / Handyman
Inspection Date/Time: 3/13/25 12:00p.m.

Purpose: (circle one) Monthly Inspection Severe Condition Inspection (describe)

		Yes / No *	Notified Person / Date
A. VAPOR BARRIER INSPECTION	**1. Walk the entire lowest level floor(s)**	yes	
	* Any visible cracks in the building floor?	no	
	* Any other visible openings (unintended) in the building floor?	no	
	* Any construction activities affecting the building floor?	no	
	* Any visible cracks in any accessible pits (e.g., ejector pit)?	no	
	** Notification of DOE EHS is required if cracks are noted. Include the following information: - Draw approximate location of floor/wall cracks/openings on site map. - Note the length of the crack/opening. Note the width of the crack/opening.	N/A	
B. SSDS INSPECTION	**1. Walk the entire roof surface.**	yes	
	* Any rust or other debris (bird nest, etc.) in or on SSDS Exhaust Stacks?	no	
	* Note reading on vacuum pressure gauge for the operating fans (SF-1 = 3) (SF-2 = 3)	yes	
	* Are SSDS fan units functioning at a lower vacuum than the previous inspection?	no	
	* Is the spare fan unit missing from the school?	no	
	* Is the SSDS in alarm?	no	
C. ACTIONS TAKEN	3/26/25 Adjusted tension on Guy-wires Don LaMastra CE		
	Inspector's Signature: Victor Meade		

Custodial Engineer Monthly or Severe Condition Inspection Form
PS K710

Inspector Name/Title: Victor Meade / Handyman
Inspection Date/Time: 4/8/24

Purpose: (circle one) (Monthly Inspection) Severe Condition Inspection (describe)

		Yes / No *	Notified Person / Date
A. VAPOR BARRIER INSPECTION	**1. Walk the entire lowest level floor(s)**	yes	
	* Any visible cracks in the building floor?	no	
	* Any other visible openings (unintended) in the building floor?	no	
	* Any construction activities affecting the building floor?	no	
	* Any visible cracks in any accessible pits (e.g., ejector pit)?	no	
	** Notification of DOE EHS is required if cracks are noted. Include the following information: - Draw approximate location of floor/wall cracks/openings on site map. - Note the length of the crack/opening. Note the width of the crack/opening.	N/A	
B. SSDS INSPECTION	**1. Walk the entire roof surface.**	yes	
	* Any rust or other debris (bird nest, etc.) in or on SSDS Exhaust Stacks?	no	
	* Note reading on vacuum pressure gauge for the operating fans (SF-1 = 3) (SF-2 = 3)	yes	
	* Are SSDS fan units functioning at a lower vacuum than the previous inspection?	no	
	* Is the spare fan unit missing from the school?	no	
	* Is the SSDS in alarm?	no	
C. ACTIONS TAKEN			
	Inspector's Signature: Victor Meade		

Custodial Engineer Monthly or Severe Condition Inspection Form
PS K710

Inspector Name/Title:
Inspection Date/Time: 5/1/25

Purpose: (circle one) (Monthly Inspection) Severe Condition Inspection (describe)

		Yes / No *	Notified Person / Date
A. VAPOR BARRIER INSPECTION	**1. Walk the entire lowest level floor(s)**	yes	
	* Any visible cracks in the building floor?	no	
	* Any other visible openings (unintended) in the building floor?	no	
	* Any construction activities affecting the building floor?	no	
	* Any visible cracks in any accessible pits (e.g., ejector pit)?	no	
	** Notification of DOE EHS is required if cracks are noted. Include the following information: - Draw approximate location of floor/wall cracks/openings on site map. - Note the length of the crack/opening. Note the width of the crack/opening.	N/A	
B. SSDS INSPECTION	**1. Walk the entire roof surface.**	yes	
	* Any rust or other debris (bird nest, etc.) in or on SSDS Exhaust Stacks?	no	
	* Note reading on vacuum pressure gauge for the operating fans (SF-1 = 3) (SF-2 = 3)	yes	
	* Are SSDS fan units functioning at a lower vacuum than the previous inspection?	no	
	* Is the spare fan unit missing from the school?	no	
	* Is the SSDS in alarm?	no	
C. ACTIONS TAKEN			
	Inspector's Signature: Victor Meade		

Custodial Engineer Monthly or Severe Condition Inspection Form

PS K710

Inspector Name/Title:

Inspection Date/Time: 6/2/25 7Am.

Purpose: (circle one) (Monthly) Inspection Severe Condition Inspection (describe)

		Yes / No *	Notified Person / Date
A. VAPOR BARRIER INSPECTION	**1. Walk the entire lowest level floor(s)**	yes	
	* Any visible cracks in the building floor?	no	
	* Any other visible openings (unintended) in the building floor?	no	
	* Any construction activities affecting the building floor?	no	
	* Any visible cracks in any accessible pits (e.g., ejector pit)?	no	
	** Notification of DOE EHS is required if cracks are noted. Include the following information: - Draw approximate location of floor/wall cracks/openings on site map. - Note the length of the crack/opening. Note the width of the crack/opening.	N/A	
B. SSDS INSPECTION	**1. Walk the entire roof surface.**	yes	
	* Any rust or other debris (bird nest, etc.) in or on SSDS Exhaust Stacks?	no	
	* Note reading on vacuum pressure gauge for the operating fans (SF-1 = 3) (SF-2 = 3)	yes	
	* Are SSDS fan units functioning at a lower vacuum than the previous inspection?	no	
	* Is the spare fan unit missing from the school?	no	
	* Is the SSDS in alarm?	no	
C. ACTIONS TAKEN			
	Inspector's Signature: Victor Meade		

Custodial Engineer Monthly or Severe Condition Inspection Form
PS K710

Inspector Name/Title: Don LaMastra Custodian Engineer
Inspection Date/Time: 7/8/25 11:00 AM

Purpose: (circle one) (Monthly Inspection) Severe Condition Inspection (describe)

		Yes / No *	Notified Person / Date
A. VAPOR BARRIER INSPECTION	**1. Walk the entire lowest level floor(s)**	Yes	
	* Any visible cracks in the building floor?	NO	
	* Any other visible openings (unintended) in the building floor?	NO	
	* Any construction activities affecting the building floor?	NO	
	* Any visible cracks in any accessible pits (e.g., ejector pit)?	NO	
	** Notification of DOE EHS is required if cracks are noted. Include the following information: - Draw approximate location of floor/wall cracks/openings on site map. - Note the length of the crack/opening. Note the width of the crack/opening.	N/A	
B. SSDS INSPECTION	**1. Walk the entire roof surface.**	Yes	
	* Any rust or other debris (bird nest, etc.) in or on SSDS Exhaust Stacks?	NO	
	* Note reading on vacuum pressure gauge for the operating fans (SF-1 = 3) (SF-2 = 3)	Yes	
	* Are SSDS fan units functioning at a lower vacuum than the previous inspection?	NO	
	* Is the spare fan unit missing from the school?	NO	
	* Is the SSDS in alarm?	NO	
C. ACTIONS TAKEN			
	Inspector's Signature: Don LaMastra		

Custodial Engineer Monthly or Severe Condition Inspection Form
PS K710

Inspector Name/Title: Don LaMastra Custodian Engineer
Inspection Date/Time: 8/1/25 2:00 pm

Purpose: (circle one) (Monthly) Inspection (Severe) Condition Inspection (describe)

		Yes / No *	Notified Person / Date
A. VAPOR BARRIER INSPECTION	**1. Walk the entire lowest level floor(s)**	Yes	
	* Any visible cracks in the building floor?	no	
	* Any other visible openings (unintended) in the building floor?	no	
	* Any construction activities affecting the building floor?	no	
	* Any visible cracks in any accessible pits (e.g., ejector pit)?	no	
	** Notification of DOE EHS is required if cracks are noted. Include the following information: - Draw approximate location of floor/wall cracks/openings on site map. - Note the length of the crack/opening. Note the width of the crack/opening.	n/a	
B. SSDS INSPECTION	**1. Walk the entire roof surface.**	Yes	
	* Any rust or other debris (bird nest, etc.) in or on SSDS Exhaust Stacks?	no	
	* Note reading on vacuum pressure gauge for the operating fans (SF-1 = 3) (SF-2 = 3)	Yes	
	* Are SSDS fan units functioning at a lower vacuum than the previous inspection?	no	
	* Is the spare fan unit missing from the school?	no	
	* Is the SSDS in alarm?	no	

C. ACTIONS TAKEN

7/31/25 Heavy Rain & Lightning Storm 7/31/25
System Check is positive, All cables Good.

Inspector's Signature: Don LaMastra

Custodial Engineer Monthly or Severe Condition Inspection Form
PS K710

Inspector Name/Title: Victor Meade Handyman
Inspection Date/Time: 9/15/25 10:30 Am

Purpose: (circle one) (Monthly Inspection) Severe Condition Inspection (describe)

		Yes / No *	Notified Person / Date
A. VAPOR BARRIER INSPECTION	**1. Walk the entire lowest level floor(s)**	yes	
	* Any visible cracks in the building floor?	no	
	* Any other visible openings (unintended) in the building floor?	no	
	* Any construction activities affecting the building floor?	no	
	* Any visible cracks in any accessible pits (e.g., ejector pit)?	no	
	** Notification of DOE EHS is required if cracks are noted. Include the following information: - Draw approximate location of floor/wall cracks/openings on site map. - Note the length of the crack/opening. Note the width of the crack/opening.	N/A	
B. SSDS INSPECTION	**1. Walk the entire roof surface.**	yes	
	* Any rust or other debris (bird nest, etc.) in or on SSDS Exhaust Stacks?	no	
	* Note reading on vacuum pressure gauge for the operating fans (SF-1 = 3) (SF-2 = 3)	yes	
	* Are SSDS fan units functioning at a lower vacuum than the previous inspection?	no	
	* Is the spare fan unit missing from the school?	no	
	* Is the SSDS in alarm?	no	
C. ACTIONS TAKEN			
	Inspector's Signature: Victor Meade		

Custodial Engineer Monthly or Severe Condition Inspection Form
PS K710

Inspector Name/Title: Don LAMPASTER CE
Inspection Date/Time: 10/15/25 / 12:00PM

Purpose: (circle one) (Monthly Inspection) (Severe Condition Inspection (describe) RAIN / HEAVY WINDS 10/14 - 40 MPH gusts. All APPEARED Good Following.

		Yes / No *	Notified Person / Date
A. VAPOR BARRIER INSPECTION	**1. Walk the entire lowest level floor(s)**	Yes	
	* Any visible cracks in the building floor?	NO	
	* Any other visible openings (unintended) in the building floor?	NO	
	* Any construction activities affecting the building floor?	NO	
	* Any visible cracks in any accessible pits (e.g., ejector pit)?	NO	
	** Notification of DOE EHS is required if cracks are noted. Include the following information: - Draw approximate location of floor/wall cracks/openings on site map. - Note the length of the crack/opening. Note the width of the crack/opening.	N/A	
B. SSDS INSPECTION	**1. Walk the entire roof surface.**	Yes	
	* Any rust or other debris (bird nest, etc.) in or on SSDS Exhaust Stacks?	NO	
	* Note reading on vacuum pressure gauge for the operating fans (SF-1 = 3) (SF-2 = 3)	Yes	
	* Are SSDS fan units functioning at a lower vacuum than the previous inspection?	No	
	* Is the spare fan unit missing from the school?	NO	
	* Is the SSDS in alarm?	Yes	SCA, control DOE 10/14
C. ACTIONS TAKEN	Notified SCA, Contractor & DOE. No change in PRESSURE Fans Running. BMS shows Now ALARM & NORMAL OPERATION. Possible issue w/ ALARM indication STATION.		

Inspector's Signature: Don Lampaster

Alarm indication SSDS-1 cleared w/ no Alarm
Will Continue to monitor readings on Company to Investigate

Custodial Engineer Monthly or Severe Condition Inspection Form
PS K710

Inspector Name/Title: Don Lancaster CE
Inspection Date/Time: 11/3/25 / 12:00 PM

Purpose: (circle one) (Monthly Inspection) Severe Condition Inspection (describe)

		Yes / No *	Notified Person / Date
A. VAPOR BARRIER INSPECTION	**1. Walk the entire lowest level floor(s)**	Yes	
	* Any visible cracks in the building floor?	No	
	* Any other visible openings (unintended) in the building floor?	No	
	* Any construction activities affecting the building floor?	No	
	* Any visible cracks in any accessible pits (e.g., ejector pit)?	No	
	** Notification of DOE EHS is required if cracks are noted. Include the following information: - Draw approximate location of floor/wall cracks/openings on site map. - Note the length of the crack/opening. Note the width of the crack/opening.	N/A	
B. SSDS INSPECTION	**1. Walk the entire roof surface.**	Yes	
	* Any rust or other debris (bird nest, etc.) in or on SSDS Exhaust Stacks?	NO	
	* Note reading on vacuum pressure gauge for the operating fans (SF-1 = 3) (SF-2 = 3)	Yes	
	* Are SSDS fan units functioning at a lower vacuum than the previous inspection?	NO	
	* Is the spare fan unit missing from the school?	No	
	* Is the SSDS in alarm?	NO	
C. ACTIONS TAKEN	Previous Alarm Condition Corrected. New Sensor has been ordered As per SOP.		
	Inspector's Signature:		

Custodial Engineer Monthly or Severe Condition Inspection Form
PS K710

Inspector Name/Title: Don LaMastra CE
Inspection Date/Time: 12/1/25 12:36 PM

Purpose: (circle one) (Monthly Inspection) Severe Condition Inspection (describe)

		Yes / No *	Notified Person / Date
A. VAPOR BARRIER INSPECTION	**1. Walk the entire lowest level floor(s)**	Yes	
	* Any visible cracks in the building floor?	no	
	* Any other visible openings (unintended) in the building floor?	no	
	* Any construction activities affecting the building floor?	no	
	* Any visible cracks in any accessible pits (e.g., ejector pit)?	no	
	** Notification of DOE EHS is required if cracks are noted. Include the following information: - Draw approximate location of floor/wall cracks/openings on site map. - Note the length of the crack/opening. Note the width of the crack/opening.	N/A	
B. SSDS INSPECTION	**1. Walk the entire roof surface.**	Yes	
	* Any rust or other debris (bird nest, etc.) in or on SSDS Exhaust Stacks?	no	
	* Note reading on vacuum pressure gauge for the operating fans (SF-1 = 3) (SF-2 = 3)	Yes	
	* Are SSDS fan units functioning at a lower vacuum than the previous inspection?	no	
	* Is the spare fan unit missing from the school?	no	
	* Is the SSDS in alarm?	no	
C. ACTIONS TAKEN	New Sensor installed, systems operation normal. 12/9/25 False Alarm status corrected. SSDS1		
	Inspector's Signature:		

Custodial Engineer Monthly or Severe Condition Inspection Form
PS-K710

Inspector Name/Title: Don LaMastra Custodian Engineer
Inspection Date/Time: 1/12/26 12:11 am

Purpose: (circle one) (Monthly Inspection) Severe Condition Inspection (describe)

		Yes / No *	Notified Person / Date
A. VAPOR BARRIER INSPECTION	**1. Walk the entire lowest level floor(s)**	Yes	
	* Any visible cracks in the building floor?	No	
	* Any other visible openings (unintended) in the building floor?	No	
	* Any construction activities affecting the building floor?	No	
	* Any visible cracks in any accessible pits (e.g., ejector pit)?	No	
	** Notification of DOE EHS is required if cracks are noted. Include the following information: - Draw approximate location of floor/wall cracks/openings on site map. - Note the length of the crack/opening. Note the width of the crack/opening.	N/A	
B. SSDS INSPECTION	**1. Walk the entire roof surface.**	Yes	
	* Any rust or other debris (bird nest, etc.) in or on SSDS Exhaust Stacks?	no	
	* Note reading on vacuum pressure gauge for the operating fans (SF-1 = 3) (SF-2 = 3)	Yes	
	* Are SSDS fan units functioning at a lower vacuum than the previous inspection?	No	
	* Is the spare fan unit missing from the school?	No	
	* Is the SSDS in alarm?	No	

C. ACTIONS TAKEN

SSDS 2 Tighten 1 guy-wire complete

Inspector's Signature: Don LaMastra

Attachment 3
Routine and Preventative Maintenance Checklists

Routine and Preventative Maintenance Checklist

SSDS Fans

Inspector's Name/Title: Don LaMastra CE

Inspection Date/Time: April 8, 2025 2:40pm

Purpose: (circle one) (Semi-annual Inspection) Fan Malfunction (describe)

SSDS Fan Maintenance Checklist

Perform the steps below for every SSDS fan during a semi-annual inspection, or for any SSDS fan experiencing issues	Completed Y/N	List Any Issues or Unusual Behavior
1. Disconnect, lock out, and tag fan electrical power source	N/A	N/A
2. Clean/blow down centrifugal fan wheel, inlet, fan, and motor housing	Yes	N/A
3. Grease fan shaft bearing pillow blocks	N/A	N/A
4. Inspect fan inlet and outlet ductwork flex joints	Yes	N/A
5. Inspect damper for proper orientation	Yes	N/A
6. Inspect fan stack guy wires	Yes	N/A
7. Inspect fan mounting and vibration isolators	Yes	N/A

*Notify the DOE EHS of any fan unit/component failure. In the event that a fan component fails, the component will be replaced by DOE EHS. DOE EHS will make appropriate arrangements in advance with suppliers to provide SSDS replacement parts within 12 hours notice. In the event that a fan unit falls, the backup fan will be switched on and the primary fan unit will be replaced by DOE EHS. Additionally, a spare fan will be available on-site for immediate replacement in case of fan failure.

Inspector's Signature: Don LaMastra

Routine and Preventative Maintenance Checklist

SSDS Fans

Inspector's Name/Title: Victor Meade / Handyman

Inspection Date/Time: October 1, 2025

Purpose: (circle one) (Semi-annual Inspection) Fan Malfunction (describe)

SSDS Fan Maintenance Checklist

Perform the steps below for every SSDS fan during a semi-annual inspection, or for any SSDS fan experiencing issues	Completed Y/N	List Any Issues or Unusual Behavior
1. Disconnect, lock out, and tag fan electrical power source	N/A	N/A
2. Clean/blow down centrifugal fan wheel, inlet, fan, and motor housing	Yes	N/A
3. Grease fan shaft bearing pillow blocks	N/A	N/A
4. Inspect fan inlet and outlet ductwork flex joints	Yes	N/A
5. Inspect damper for proper orientation	Yes	N/A
6. Inspect fan stack guy wires	Yes	N/A
7. Inspect fan mounting and vibration isolators	Yes	N/A

*Notify the DOE EHS of any fan unit/component failure. In the event that a fan component fails, the component will be replaced by DOE EHS. DOE EHS will make appropriate arrangements in advance with suppliers to provide SSDS replacement parts within 12 hours notice. In the event that a fan unit fails, the backup fan will be switched on and the primary fan unit will be replaced by DOE EHS. Additionally, a spare fan will be available on-site for immediate replacement in case of fan failure.

Inspector's Signature: Victor Meade

Attachment 4
Training Acknowledgement Letter

ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

104 East 25th St, 8th Floor
New York, NY 10010-2917
www.atcgroupservices.com
212-353-8280
Fax 212-353-8306

Annual Training Acknowledgement
Engineering Controls Operation and Maintenance

Location: K710

Custodian/Fireman: Ron Lamastra

I, Ron Lamastra, received annual refresher training on Engineering Controls Operation and Maintenance by ATC Group Services, LLC (ATC) on 1/14/26. As part of the annual refresher training I conducted a walkthrough with ATC during which all elements covered by the Operation and Maintenance Plan were explained to me including the completion of the daily logs and monthly inspection form.

Signed by: _____ **Date:** 1/14/26
Custodian/Fireman

Recommendations:

All good. Continue monthly and semi annual inspection.

Attachment 5
Photographic Documentation

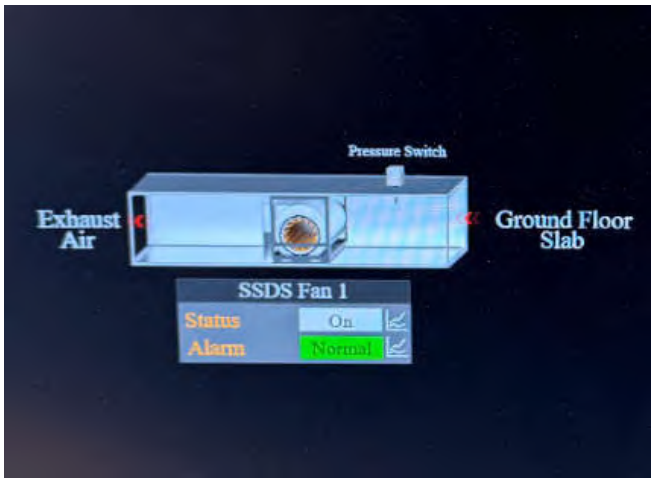

Photo 1: View of the BMS associated with SSDS-1.

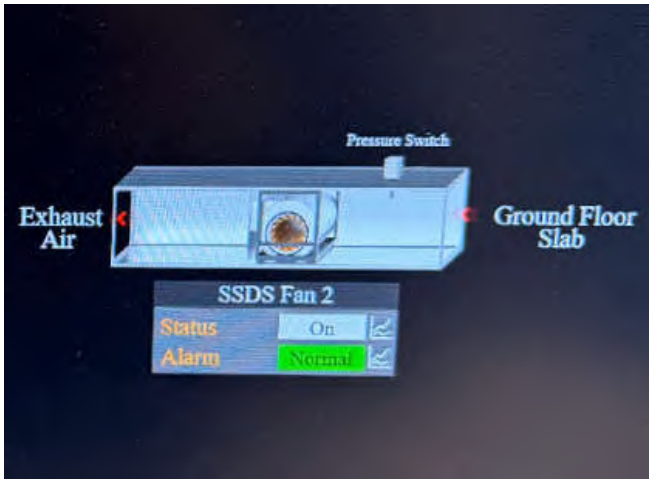

Photo 2: View of the BMS associated with SSDS-2.

Photo 3: View of the AIS in Custodian's Office.

Photo 4: View of spare SSDS fan unit in Room 306.

Photo 5: View of both roof-mounted SSDS fan units.

Photo 6: View of the typical SSDS fan vacuum gauge.

Photo 7: View of SSDS monitoring point in Room 109A.

Photo 8. View of a typical bare concrete floor in Room C002.

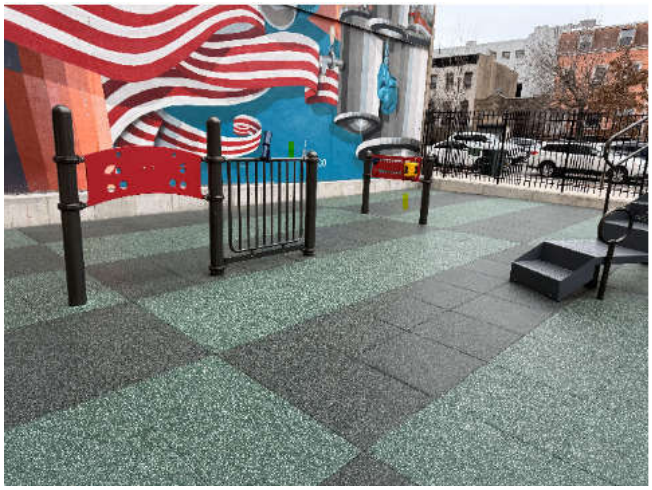

Photo 7: View of playground cover system along 9th Street.

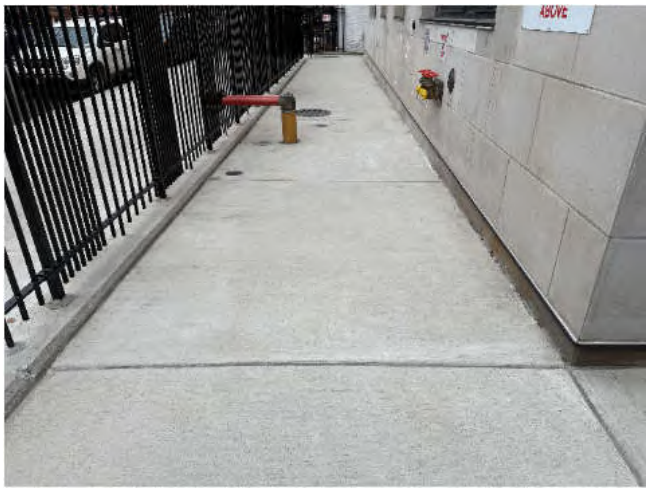

Photo 8. View of concrete walkway cover sys. along 8th St.

Attachment 6
Annual Inspection Form

Annual Inspection Form
Gas Vapor Barrier and Sub-Slab Depressurization System
P.S. K710

Inspector's Name: Dillon Hutoo / G. Gordon Weather Conditions: Cloudy
Inspection Date: 1/14/26 Air Temperature (°F): 48°
Inspection Time:
Comments:

A. PRE INSPECTION CHECKLIST

* Schedule Annual Inspection when school is not occupied by students. yes
* Review 12 Previous Monthly Inspection Checklists. yes
* Meet with Custodial Engineer and Principal to solicit comments/concerns regarding the operation of the Engineering Controls over the last 12 months. yes
* Conduct Annual Refresher Training with DOE EHS. yes
* Follow proper safety protocols including lockout/tagout. yes
* Comments:

B. SSDS SYSTEM INSPECTION

Walk the entire roof surface of school building.

* Inspect fan stack guy wires. Good
* Inspect monitoring points. All Good
* Record vacuum gauge reading. SF1 -3 SF2 -3
* Ensure all SSDS accessories listed in section 15880 are functioning properly. yes
* Inspect bolts and set screws for tightness and rusty condition. No rust
* Inspect SSDS fan for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. Clean
* Are the indicator lights on the Alarm Indication Station functioning properly? yes
* Is the spare fan unit missing from the school? NO
* Comments (see or hear anything unusual?):

C. VAPOR BARRIER INSPECTION

Walk all of the cellar floor.

* Review all cracks or other openings indentified in cellar floor during previous inspections. No cracks
* Any new visible cracks in the cellar floor? NO cracks
* Any new visible opening (unintended) in the floor? NO cracks
* Any new visible cracks in accessible pits? NO
* Note the length of any new cracks/openings in the cellar floor. NO cracks
* Draw approximate location of floor cracks/openings that appear to have potential leak through vapor barrier.

Comments:

D. Repair

Summarize needed/completed repairs to Engineering Controls: NA

Inspector's Signature: DH / [signature]

Annual Inspection Form
Cover System
P.S. K710

Inspector's Name: C. Gedon / D. Wilson Plaza   Weather Conditions: Cloudy
Inspection Date: 1/14/26   Air Temperature (°F): 45
Inspection Time:
Comments:

A. COVER SYSTEM BUILDING INTERIOR - LOWEST LEVEL (CELLAR) INSPECTION

Inquire with Custodian whether any ground intrusive activities have taken place within the lowest level (cellar) since the last cover system inspection (typically annually).

Walk the entire lowest level (cellar) and report the following:

* Any penetrations not sealed in the cellar floors/walls. NO
* Any visible cracks or settlement in the cellar floors/walls. NO
* Any other visible openings (unintended) in the ground floors. NO
* Draw approximate location of floor cracks/openings on site map. NO cracks
* Note the length of the crack/opening. N/A
* Note the width of the crack/opening. N/A

Comments: NO cracks floor is good

B. COVER SYSTEM - EXTERIOR INSPECTION

Inquire with Custodian whether any ground intrusive activities have taken place since the last cover system inspection (typically annually).

Walk and inspect the entire perimeter and courtyard of the Site.

Walk and inspect all of the paved areas (concrete and asphalt) of the Site.

Walk and inspect all of the unpaved areas of the Site including areas with pavers, synthetic turf, and landscaping, and report the following:

* Any penetrations not sealed in the paved areas. NO
* Any signs of significant cracks, settlement, or deterioration of the paved areas. NO
* Any of the pavement material removed. NO
* Any indicators of vehicular use on the unpaved areas (tire tracks, rutting, etc.). NO
* Any structures that have been constructed on the unpaved areas or through paved areas. NO
* Inspect synthetic turf/concrete pavers/landscaped area. Any problems identified? NO
* Any indicators of soil washing or erosion (gullies, soil washed out onto the pavement). NO
* Any indicators of intrusive activities (drilling, digging, trenching, grading, excavating, etc.). NO

Comments: Paved area good, All intact

C. Repair

Summarize needed/completed repairs to Engineering Controls:

NA

Inspector's Signature: [signature]

Attachment 7
Annual Monitoring Point Inspection Checklist

PS K710

Annual Monitoring Point Inspection Checklist

Inspect all monitoring point locations for obstructions; check the manhole covers (and bolts) along with the quick connections inside the manhole.

Monitoring Point ID	Room Number	Any obstructions over MP	Manhole cover secure and bolts in tact	Comments (status of quick-connect fitting, etc.)
MP-1	108 - Classroom	Y / (N)	(Y) / N	
MP-2	104 – Custodians Office	Y / (N)	(Y) / N	
MP-3	Lobby	Y / (N)	(Y) / N	
MP-4	100A – Principals Office	Y / (N)	(Y) / N	

Attachment 8
Post-Mitigation Indoor Air Quality Survey Letter

1407 Broadway, Suite 3301
New York, NY 10018
T 212.221.7822
TRCcompanies.com

March 5, 2024

Ms. Lee Guterman
Director of HazMat Unit
Industrial and Environmental Hygiene Division
New York City School Construction Authority
30-30 Thomson Avenue
Long Island City, NY 11101-3045

Re: Post-Mitigation Indoor Air Quality Survey Letter Report
Pre-Kindergarten Facility K710
168 8th Street, Brooklyn, New York 11215
Block 1003, Lot 11
NYSDEC Site Number: C224266

Dear Ms. Guterman:

This letter report summarizes the results of the Post-Mitigation Indoor Air Quality (IAQ) Survey of Pre-Kindergarten Facility K710 located at 168 8th Street, in the Park Slope section of Brooklyn, New York (hereafter referred to as the "Site"). The legal description for the Site is Block 1003, Lot 11.

The Site is improved with a three-story building with a penthouse and partial basement, and an exterior playground, and is a pre-kindergarten center. The main entrance is located on 9th Street.

The Post-Mitigation IAQ sampling event was performed in accordance with the NYSDEC-approved Site Management Plan (SMP) dated August 16, 2023, which requires collection of indoor air samples within one year of SSDS startup during the heating season.

The purpose of this report is to provide a brief discussion of the field work and results of the Post-Mitigation IAQ Survey.

Scope of IAQ Survey

The IAQ sampling was conducted in general accordance with the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 (NYSDOH Vapor Intrusion Guidance Document) and the NYSDEC-approved SMP dated August 16, 2023. The Post-Mitigation IAQ Survey field activities were performed on February 8 and February 9, 2024 and included the following:

- A pre-sampling building inspection and documentation of chemical inventory (refer to *Appendix A*). No interfering conditions were identified during the pre-sampling inspection.
- Confirmation of the operation of the heating, ventilation, and air conditioning (HVAC) system and sub-slab depressurization system (SSDS).
- Collection and analysis of one (1) indoor air sample from the partial basement of the Site building and two (2) indoor air samples from the first floor of the Site building (refer to *Figure 1*).
- Collection of one (1) ambient outdoor air sample from the playground (refer to *Figure 1*).

The IAQ was conducted in general accordance with the NYSDEC-approved SMP with the following exception:

- Indoor air sample TRC-IA-02 was relocated approximately 30 feet northeast from the reuse/recycling room on the first floor of the Site building to a classroom on the first floor of the Site building.

During the pre-sampling building inspection, a part per billion (ppb)-range photoionization detector (PID) was utilized to screen indoor air sample locations and adjacent spaces for the presence of organic vapors. No PID readings above 0 ppb were recorded throughout the basement or first floor of the Site building.

The partial basement and first floor of the Site building were inspected for cracks, penetrations, and other preferential pathways for soil vapor intrusion such as floor drains and sumps. The Site building is constructed with a 60-mil Liquid Boot membrane gas vapor barrier below the concrete floor slabs, below grade walls and bottom slabs and walls of pits and sumps with continuous waterstops (installed 2022). Cracks were not identified in the basement floor or walls. Floor drains and utility penetrations were observed in the partial basement and through the first floor, as indicated on the building inspection questionnaire. The indoor air space directly above each of the floor drains was screened with a PID, and no PID readings above 0 ppb were recorded.

The three (3) indoor air samples and the one (1) ambient air sample were collected utilizing individually certified-clean 6-liter Summa canisters. The samples were collected over an 8-hour time period from a height of approximately 3 to 5 feet above the floor to simulate the typical breathing zone. Initial and final canister vacuum readings (inches of mercury) and sampling times were recorded on the laboratory chain-of-custody forms. During sampling, there were no activities being performed in the Site that would interfere with the IAQ sampling.

The IAQ samples were analyzed for volatile organic compounds (VOCs) utilizing United State Environmental Protection Agency (USEPA) Method TO-15.

The Summa canisters were properly labeled and transported via courier to Alpha Analytical of Mansfield, Massachusetts for analysis. Alpha Analytical is a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory for air quality sample analyses. A summary of the analytical results is provided in *Table 1*, a copy of the laboratory analytical report is attached in *Appendix B*, and a copy of the laboratory's current ELAP certification is provided in *Appendix C*.

Results

Analytical results for indoor/ambient air samples were compared to the NYSDOH Air Guideline Values (AGVs) presented in the NYSDOH Vapor Intrusion Guidance Document, NYSDOH's Tetrachloroethene (Perc) in Indoor and Outdoor Air September 2013 Fact Sheet ("NYSDOH Perc Fact Sheet"), and NYSDOH's Trichloroethene (TCE) in Indoor and Outdoor Air August 2015 Fact Sheet ("NYSDOH TCE Fact Sheet").

No VOCs were detected in the indoor air samples or the ambient air sample above the corresponding NYSDOH AGVs.

Quality Assurance and Quality Control

A quality assurance/quality control (QA/QC) program for the IAQ Survey was instituted to verify that the project analytical data objectives were met. The QA/QC program was implemented consistent with the Quality Assurance Project Plan (QAPP), which specifies the data quality objectives (DQOs) for each analytical parameter for the entire investigation. The QA/QC program included validation of the analytical data, as specified in the QAPP. The results of the data validation are summarized in a Data Usability Summary Report (DUSR) (refer to *Appendix D*), which was prepared in accordance with Appendix 2B – Guidance for Data Deliverables and the Development of Data Usability Summary Reports of "Division of Environmental (DER)-10 Technical Guidance for Site Investigation and Remediation," dated May 2010. As a result of data validation, no data were rejected or qualified, and the data are acceptable for the intended purposes.

The results of the Post-Mitigation IAQ Survey will be included in the first Periodic Review Report.

Please do not hesitate to contact us at 212-221-7822 if you have any questions.

Sincerely,
TRC Engineers, Inc.

Emily Kessler

Emily Kessler, CHMM
Project Manager

cc: M. Sherwood, S. Kanaparthi, NYCSCA
M. Hemida, S. Thumma, DOE DSF
J. Raup, TRC

Enclosures:

Figures
Figure 1 – Indoor Air Quality Sample Locations

Tables
Table 1 – Summary of Results of Analysis of Indoor and Ambient Air Samples for Volatile Organic Compounds

Appendices
Appendix A – NYSDOH Indoor Air Quality Questionnaire and Building Inventory
Appendix B – Laboratory Analytical Report
Appendix C – Environmental Laboratory Approval Program Certification
Appendix D – Data Usability Summary Report

Figure

LEGEND (SYMBOLS NOT TO SCALE):

- SITE BOUNDARY
- BUILDING FOOTPRINT
- TRC-IA-## INDOOR AIR SAMPLE LOCATION AND IDENTIFICATION NUMBER
- TRC-AA-## AMBIENT AIR SAMPLE LOCATION AND IDENTIFICATION NUMBER

W N E

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
2. BASEMAP IMAGERY SOURCE FROM NEARMAP DATED SEPTEMBER 27, 2022.
3. TRC-IA-01 WAS COLLECTED FROM THE BASEMENT OF THE SITE BUILDING.
4. TRC-IA-02, AND TRC-IA-03 WERE COLLECTED FROM THE FIRST FLOOR OF THE SITE BUILDING.
5. TRC-AA-01 WAS COLLECTED FROM THE OUTDOOR PLAYGROUND AREA OF SITE.

0 30' 60'

SCALE: 1" = 30'
SHEET SIZE: 11" BY 17"

PROJECT: NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
INDOOR AIR QUALITY SURVEY - BCP SITE NO. C224266
PRE-KINDERGARTEN FACILITY K710
168 8TH STREET - BLOCK: 1003, LOT: 11
BROOKLYN, NY 11215

TITLE: INDOOR AIR AND AMBIENT AIR SAMPLING LOCATIONS

DRAWN BY:	H. DELGADO	PROJ NO.:	457205
CHECKED BY:	C. NICLAS	FIGURE 1	
APPROVED BY:	E. KESSLER		
DATE:	FEBRUARY 2024		

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New York, NY 10018
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FILE NO.: Fig 3 - IA & AA Samp. Locs. (K710).dwg

DRAWING NAME: \\NYC-FP1\Shared\Projects\NYCSCA Contract C000015348\457205 - K710 Construction Phase Services\Post-Mitigation IAQ\Report\Figures\TRC WD\ Fig 3 - IA & AA Samp. Locs. (K710).dwg --- PLOT DATE: February 23, 2024 - 3:04PM --- LAYOUT: 11X17L

Table

Table 1
New York City School Construction Authority
Public School K710 - New Construction
168 8th Street, Brooklyn, New York
Summary of Results of Analysis of Indoor and Ambient Air
for Volatile Organic Compounds

SAMPLE ID:		TRC-IA-01		TRC-IA-02		TRC-IA-03		TRC-AA-01	
LABORATORY SAMPLE ID:		L2407645-01		L2407645-02		L2407645-03		L2407645-04	
DATE SAMPLE COLLECTED:		2/9/2024		2/9/2024		2/9/2024		2/9/2024	
MATRIX:		INDOOR AIR		INDOOR AIR		INDOOR AIR		AMBIENT AIR	
VOLATILE ORGANIC COMPOUND (µg/m^3)	NYSDOH AGVs [1]	Result		Result		Result		Result	
1,1,1-Trichloroethane (TCA)	--	0.109	U	0.109	U	0.109	U	0.109	U
1,1,2,2-Tetrachloroethane	--	1.37	U	1.37	U	1.37	U	1.37	U
1,1,2-Trichloroethane	--	1.09	U	1.09	U	1.09	U	1.09	U
1,1-Dichloroethane	--	0.809	U	0.809	U	0.809	U	0.809	U
1,1-Dichloroethene	--	0.079	U	0.079	U	0.079	U	0.079	U
1,2,4-Trichlorobenzene	--	1.48	U	1.48	U	1.48	U	1.48	U
1,2,4-Trimethylbenzene	--	0.983	U	0.983	U	0.983	U	0.983	U
1,2-Dibromoethane	--	1.54	U	1.54	U	1.54	U	1.54	U
1,2-Dichlorobenzene	--	1.20	U	1.20	U	1.20	U	1.20	U
1,2-Dichloroethane	--	0.809	U	0.809	U	0.809	U	0.809	U
1,2-Dichloropropane	--	0.924	U	0.924	U	0.924	U	0.924	U
1,3,5-Trimethylbenzene	--	0.983	U	0.983	U	0.983	U	0.983	U
1,3-Butadiene	--	0.442	U	0.442	U	0.442	U	0.442	U
1,3-Dichlorobenzene	--	1.20	U	1.20	U	1.20	U	1.20	U
1,4-Dichlorobenzene	--	1.20	U	1.20	U	1.20	U	1.20	U
1,4-Dioxane	--	0.721	U	0.721	U	0.721	U	0.721	U
2,2,4-Trimethylpentane	--	0.934	U	0.934	U	0.934	U	0.934	U
2-Butanone	--	1.47	U	1.47	U	1.47	U	1.47	U
2-Hexanone	--	0.820	U	0.820	U	0.820	U	0.820	U
3-Chloropropene	--	0.626	U	0.626	U	0.626	U	0.626	U
4-Ethyltoluene	--	0.983	U	0.983	U	0.983	U	0.983	U
4-Methyl-2-pentanone	--	2.05	U	2.05	U	2.05	U	2.05	U
Acetone	--	5.23		10.5		5.77		4.85	
Benzene	--	0.639	U	0.738		0.639	U	0.639	U
Benzyl chloride	--	1.04	U	1.04	U	1.04	U	1.04	U
Bromodichloromethane	--	1.34	U	1.34	U	1.34	U	1.34	U
Bromoform	--	2.07	U	2.07	U	2.07	U	2.07	U
Bromomethane	--	0.777	U	0.777	U	0.777	U	0.777	U
Carbon disulfide	--	0.623	U	0.623	U	0.623	U	0.623	U
Carbon tetrachloride	--	0.472		0.497		0.510		0.491	
Chlorobenzene	--	0.921	U	0.921	U	0.921	U	0.921	U
Chloroethane	--	0.528	U	0.528	U	0.528	U	0.528	U
Chloroform	--	0.977	U	0.977	U	0.977	U	0.977	U
Chloromethane	--	1.00		1.03		1.04		1.01	
cis-1,2-Dichloroethene	--	0.079	U	0.079	U	0.079	U	0.079	U
cis-1,3-Dichloropropene	--	0.908	U	0.908	U	0.908	U	0.908	U
Cyclohexane	--	0.688	U	0.688	U	0.688	U	0.688	U
Dibromochloromethane	--	1.70	U	1.70	U	1.70	U	1.70	U
Dichlorodifluoromethane	--	2.41		2.45		2.53		2.47	
Ethanol	--	15.0		36.0		14.2		9.42	U
Ethyl Acetate	--	1.80	U	2.81		1.80	U	1.80	U
Ethylbenzene	--	0.869	U	0.869	U	0.869	U	0.869	U
Freon-113	--	1.53	U	1.53	U	1.53	U	1.53	U
Freon-114	--	1.40	U	1.40	U	1.40	U	1.40	U
Heptane	--	0.820	U	0.820	U	0.820	U	0.820	U
Hexachlorobutadiene	--	2.13	U	2.13	U	2.13	U	2.13	U
Isopropanol	--	2.30		3.44		1.91		1.37	
Methyl tert butyl ether	--	0.721	U	0.721	U	0.721	U	0.721	U
Methylene chloride	60	1.74	U	1.74	U	1.74	U	1.74	U
n-Hexane	--	0.705	U	0.719		0.705	U	0.705	U
o-Xylene	--	0.869	U	0.869	U	0.869	U	0.869	U
p/m-Xylene	--	1.74	U	1.74	U	1.74	U	1.74	U
Styrene	--	0.852	U	0.852	U	0.852	U	0.852	U
Tertiary butyl Alcohol	--	1.52	U	1.52	U	1.52	U	1.52	U
Tetrachloroethene (PCE)	30	0.251		0.319		0.251		0.210	
Tetrahydrofuran	--	1.47	U	2.98		1.47	U	1.47	U
Toluene	--	0.852		1.77		0.980		0.754	U
trans-1,2-Dichloroethene		0.793	U	0.793	U	0.793	U	0.793	U
trans-1,3-Dichloropropene	--	0.908	U	0.908	U	0.908	U	0.908	U
Trichloroethene (TCE)	2	0.107	U	0.107	U	0.107	U	0.107	U
Trichlorofluoromethane	--	1.24		1.31		1.34		1.28	
Vinyl bromide	--	0.874	U	0.874	U	0.874	U	0.874	U
Vinyl chloride	--	0.051	U	0.051	U	0.051	U	0.051	U

Notes:
µg/m^3 - Micrograms per cubic meter
-- - No criterion
U - Non-detect
[1] New York State Department of Health (NYSDOH) Air Guidline Values (AGV).
Bold and shaded results exceed NYSDOH AGVs.

Appendix A – NYSDOH Indoor Air Quality Questionnaire and Building Inventory

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 Elsie He Date/Time Prepared February 8,2024; 0830

Preparer's Affiliation Environmental Scientist at TRC Engineers, Inc. Phone No. 917-576-5867

Purpose of Investigation Post-Mitigation Indoor Air Quality (IAQ) Survey

1. OCCUPANT:

Interviewed: (Y) / N

Last Name: Lamastra First Name: Donald

Address: 168 8th Street, Brooklyn, New York 11215

County: Kings County

~~Home~~ Phone: 917-922-8506 Office Phone: 718-500-4350

Number of Occupants/persons at this location Approx 10 Age of Occupants 18+ Pre-Kindergarden facility not yet occupied at time of survey

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

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

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

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

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Pre-Kindergarden Public School

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

Other characteristics:

Number of floors 3; Plus partial basement Building age <1; Constructed in 2023.

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:

Tracer smoke not used.

Airflow between floors

Through stairwells, elevator shaft, and heating, ventilation, and air conditioning (HVAC) supply and return ducts.

Airflow near source

N/A

Outdoor air infiltration

Pre-Sampling: Active entrances and HVAC supply and return ducts.

During Sampling: Occassional opening/closing of doors at main entrance and HVAC supply and return ducts.

Infiltration into air ducts

Through HVAC supply ducts.

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 Partial basement
c. Basement floor:	(concrete)	dirt	stone	other _____
d. Basement floor:	(uncovered)	covered	covered with _____	
e. Concrete floor:	unsealed	(sealed)	sealed with Epoxy	
f. Foundation walls:	(poured)	block	stone	other _____
g. Foundation walls:	unsealed	(sealed)	sealed with paint	
h. The basement is:	wet	damp	(dry)	moldy
i. The basement is:	finished	(unfinished)	partially finished	
j. Sump present?	Y / (N)			
k. Water in sump?	Y / N / (not applicable)			

Basement/Lowest level depth below grade: Approx 10 (feet)

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

Basement: Two (2) x ten (10) inch diameter drains in water service room, one (1) x ten (10) inch drain and approx four (4) inch utility poty in water meter room.

First floor: Two (2) x drains in first floor janitor's closet, one (1) x ten (10) inch drain and two (2) utility ports in principal's office, one (1) x covered utility port in lobby, two (2) x drains in staff bathroom, one (1) x covered utility port in custodian's office, one (1) five (5) inch drain in reuse room, one (1) x ten (10) inch drain in NW classroom.

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)	Two (2) x RTUs Two (2) x Electric Boilers with three (3) pumps (roof boiler room)
Space Heaters	Steam 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: Electric

Boiler/furnace located in:	(Basement)	Outdoors	Main Floor	Other_____
Air conditioning:	(Central Air)	Window units	Open Windows	None

Are there air distribution ducts present? (Y) N

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

Duct work visible in basement water service room, water meter room, contractor storage room, and corridor. Condition appears excellent/good and joints appear tight. Air supply from RTUs. Ducts partially visible on first floor through screen. Air return noted in contractor storage. According to the custodian, air return ducts are in every classroom (including first floor) --> one supply and one return per classroom.

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	Mechanical rooms (water service room, water meter room, electrical service room).
1st Floor	Warming pantry, classroom, restrooms, offices, storage rooms/closets.
2nd Floor	Classrooms, gym, restrooms, storage rooms.
3rd Floor	Classrooms, restrooms, nurse's office, storage rooms.
4th Floor	N/A

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_____

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? One (1) room on 2nd floor cleaned two (2) weeks ago.

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? Touch up painting within past two (2) months

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

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

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

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

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

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

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

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

If yes, what types of solvents are used? _____

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

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

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

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

The building was constructed in 2023 with an active sub-slab depressurization system (SSDS) that was operational at the time of the survey.

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

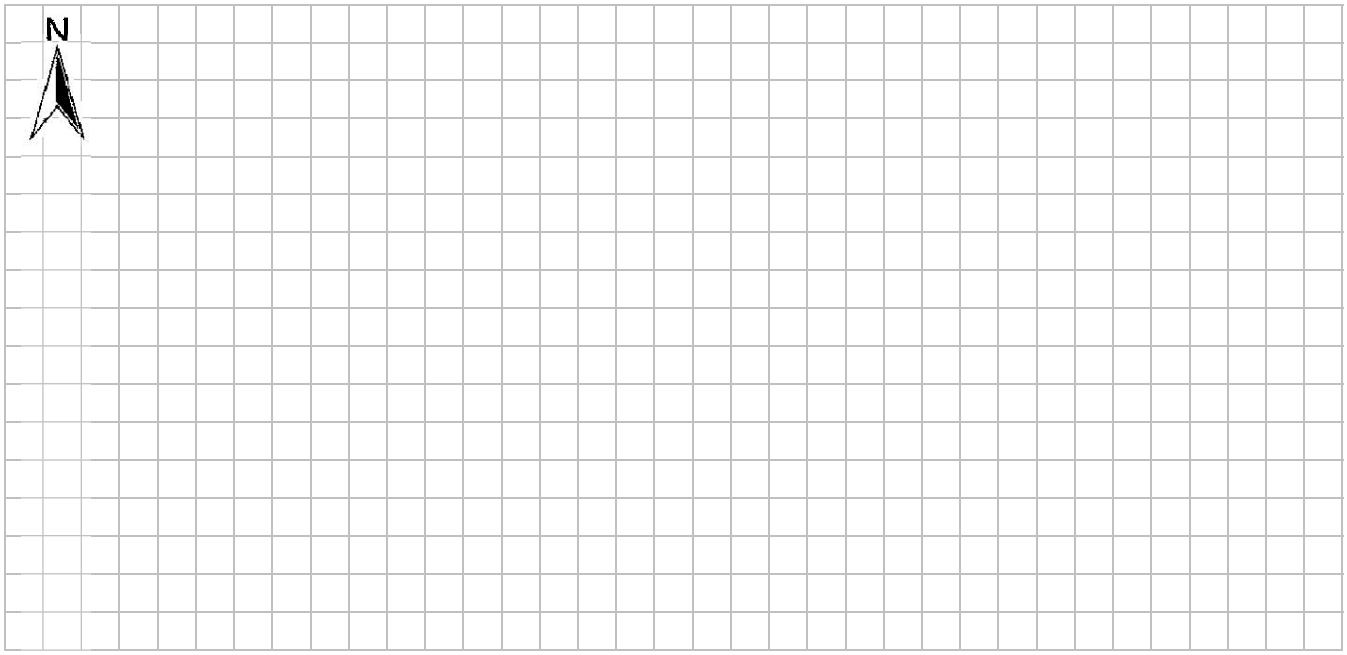
c. Responsibility for costs associated with reimbursement explained? Y / N

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

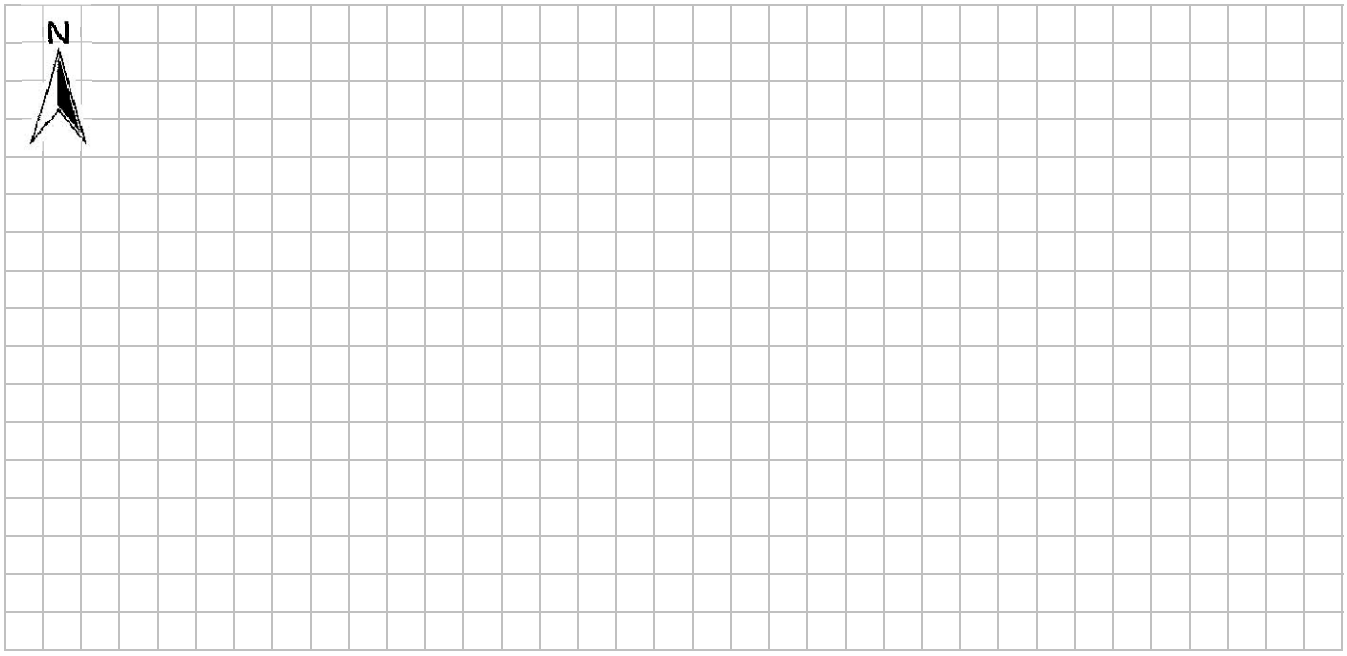
11. FLOOR PLANS

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: Please see attached figure.



First Floor: Please see attached figure.

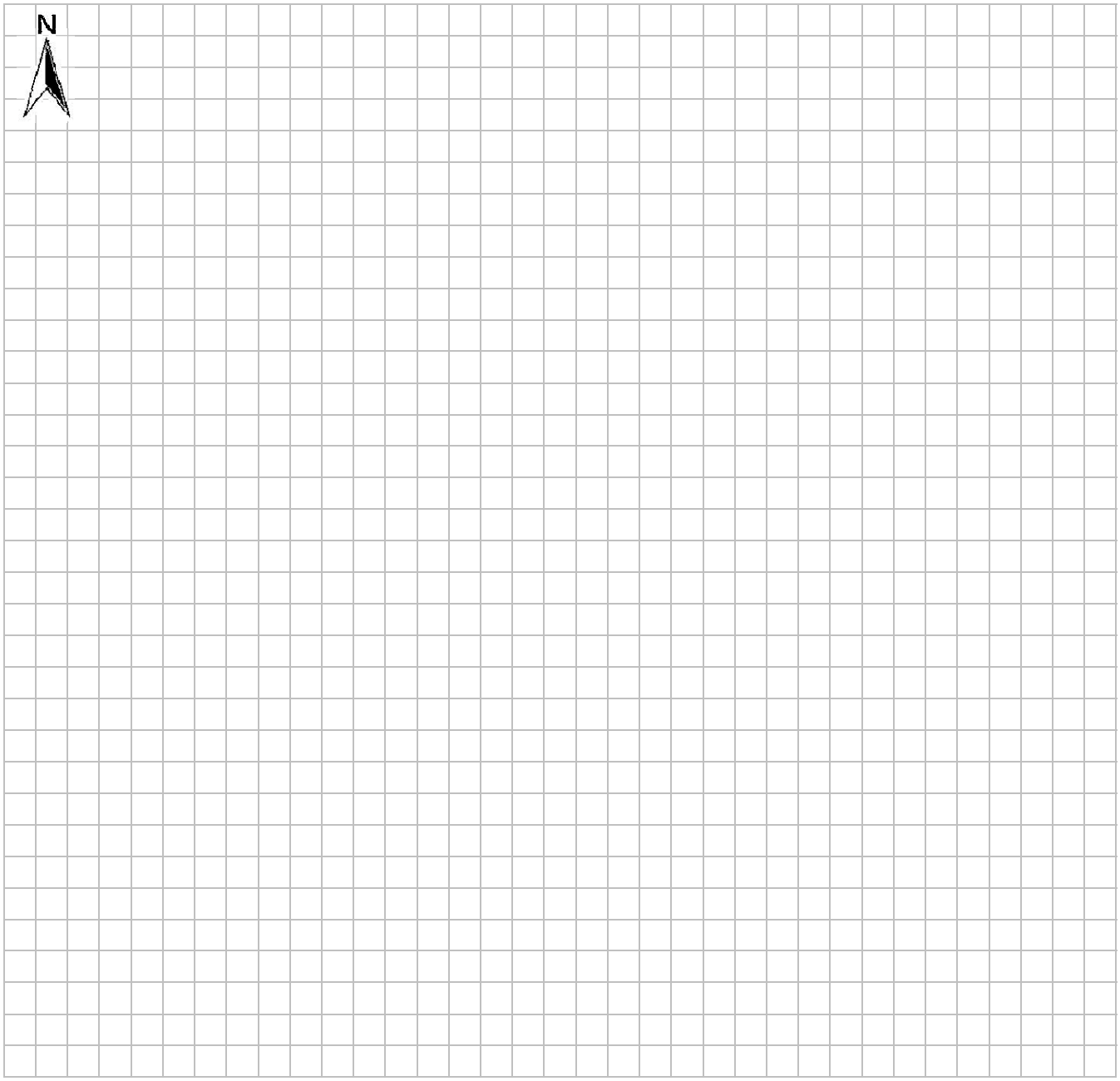


12. OUTDOOR PLOT

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

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

Please see attached figure.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ppbRAE 3000

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
Custodian's storge	NABC Bathroom Cleaner	5 gal	UO	Not on label/see photos	0 ppb	Y
Custodian's storge	Spray-Nine Heavy-Duty Cleaner/De-greaser	5x32oz	UO	see photos	0 ppb	Y
Custodian's storge	Victoria Bay Glass Cleaner Ammoniated	10x32oz	UO	see photos	0 ppb	Y
Custodian's storge	Inopak Inoderm Clean Green Liquid Soap	5x1gal	UO	see photos	0 ppb	Y
Custodian's storge	Envirox H2Orange, Concentrate 117 Sanitizer	2x32oz	U	see photos	0 ppb	Y
Warming pantry	Bathroom Plus Non-Acid Disinfectant Cleaner	1x32oz	U	see photos	0 ppb	Y
Warming pantry	Spray-Nine Heavy-Duty Cleaner/De-greaser	1x32oz	U	see photos	0 ppb	Y
Warming pantry	Inopak Inoderm Clean Green Liquid Soap	1x1gal	U	see photos	0 ppb	Y
Warming pantry	Knight Medicating Cream Deodrant	1x1gal	U	see photos	0 ppb	Y
Contractor storage	Lysol Disinfectant Spray	1x19oz	U	see photos	0 ppb	Y
Contractor storage	Onpace Finishing Solutions	1x4.5oz	U	see photos	0 ppb	Y
Contractor storage	Ready Match Touchup	1x12oz	U	see photos	0 ppb	Y
Contractor storage	Omega Smooth Patch 100% Acrylic Textured Emich	1x5gal	U	see photos	0 ppb	Y
Contractor storage	Ultrahand Eco 711 Adhesive	2x5gal	U	see photos	0 ppb	Y
Contractor storage	Kerapoxy CQ Epoxy Grout and Motor	1x2gal	U	see photos	0 ppb	Y
Contractor storage	Fantastic Multisurface Disinfectant	1x32oz	U	see photos	0 ppb	Y
Contractor storage	HDX Spray with Unknown Content	1x32oz	U	see photos	0 ppb	Y
Contractor storage	Henry Couchbase Adhesive	1x4gal	U	not on label/see photos	0 ppb	Y
Contractor storage	Windex Glass and More	1x1gal	U	see photos	0 ppb	Y

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

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ppbRAE 3000

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
Contractor storage	AC-20-Smeane Caulking Company	6x10oz	U	see photos	0 ppb	Y
Contractor storage	Dowsil 795 Sealant	2x10oz	U	see photos	0 ppb	Y
Contractor storage	Loctite PL 200 Adhesive	2x28oz	U	not on label/see photos	0 ppb	Y
Custodian's Storage	Knight Dura-shine Floor Finish	3x5gal	UO	not on label/see photos	0 ppb	Y

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
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6. WIND DIRECTION AND SPEED DURING SAMPLING: 6 MPH S.

0 30' 60'

SCALE: 1" = 30'
SHEET SIZE: 11" BY 17"

PROJECT: NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
INDOOR AIR QUALITY SURVEY - BCP SITE NO. C224266
PRE-KINDERGARTEN FACILITY K710
168 8TH STREET - BLOCK: 1003, LOT: 11
BROOKLYN, NY 11215

TITLE: **New York State Department of Health Indoor Air Quality Questionnaire - Outdoor Plot Sketch**

DRAWN BY:	H. DELGADO	PROJ NO.:	457205
CHECKED BY:	C. NICLAS		FIGURE 2
APPROVED BY:	E. KESSLER		
DATE:	FEBRUARY 2024		

TRC

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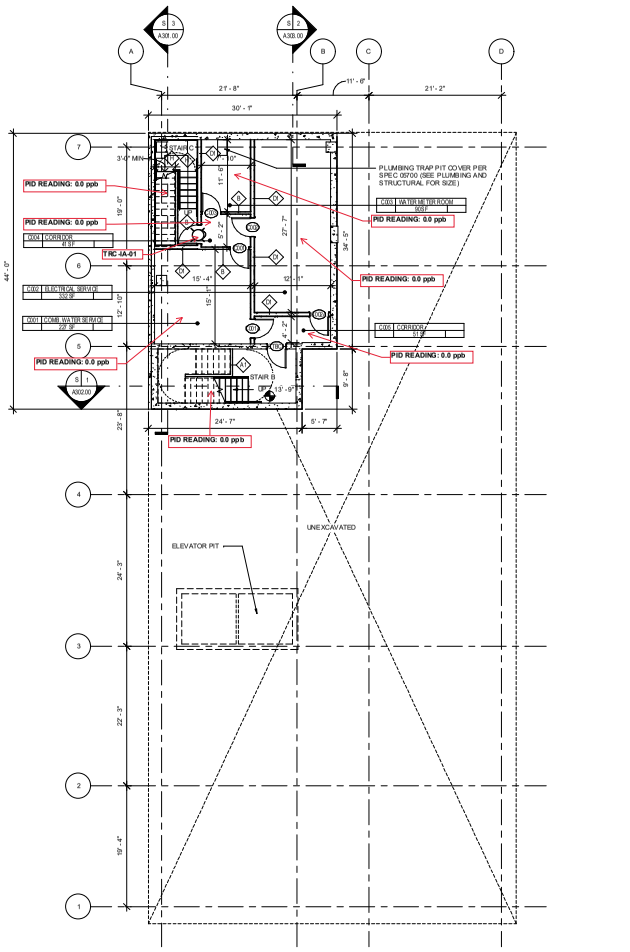
New York, NY 10018
Phone: 212.221.7822
www.TRCcompanies.com

FILE NO.: Fig 3 - IA & AA Samp. Locs. (K710).dwg

11x17 — ATTACHED XREFS: Brooklyn — ATTACHED IMAGES: 168 8TH STREET - GEPRO 600FT color, 197-203 9th Street map_image, EPSG2263_20220927;
DRAWING NAME: \\NYC-FP1\Shared\Projects\NYCSCA Contract C000015348\457205 - K710 Construction Phase Services\Post-Mitigation IAQ\Report\Figures\TRC WD\ Fig 3 - IA & AA Samp. Locs. (K710).dwg — PLOT DATE: February 23, 2024 - 3:04PM — LAYOUT: 11X17L



CELLAR

1/8" = 1'-0"

GENERAL PLAN NOTES:

1. REFER TO SHEET T003 FOR GENERAL PROJECT NOTES.
2. REFER TO SHEET T004 FOR ABBREVIATIONS AND SYMBOLS.
3. REFER TO SHEET A701 FOR PARTITION TYPES.
4. REFER TO SHEET A702 FOR FIRE STOPPING DETAILS
5. REFER TO A800'S SERIES SHEETS FOR REFLECTED CEILING PLANS.
6. REFER TO A900'S SERIES SHEETS FOR FINISH MATERIALS.
7. REFER TO SHEET A910 FOR DOOR SCHEDULE.
8. REFER TO F F SERIES SHEETS FOR FURNITURE PLANS.
9. UNLESS OTHERWISE INDICATED PLACE DOORS 4" FROM WALL ON HINGE SIDE AND 18" MINIMUM ON LATCH SIDE.
10. REFER TO ELECTRICAL DRAWINGS FOR POWER, EQUIPMENT AND LOW VOLTAGE OUTLETS.
11. PROVIDED THROUGH PENETRATION FIRE STOPPING ASSEMBLY AT EVERY PENETRATION OF FIRE RATED CONSTRUCTION. COORDINATE WITH MECHANICAL, ELECTRICAL, PLUMBING AND OTHER SYSTEM DRAWINGS. SEE A702 FOR FIRE STOPPING DETAILS.
12. ROOMS 207 AND 307 ARE "AREA OF RESCUE ASSISTANCE ROOMS".
13. ALL ROOFING MEMBRANE TO BE RMA (PROTECTED)
14. ALL ROOFS TO INCLUDE 2X2 PAVERS (AS SHOWN) - MIN. SRI = 78%
15. ALL SLOPES TO DRAIN TO BE 1/8" PER FOOT
16. SLOPES TO DRAINS TO BE FORMED WITH CEMENTITIOUS CONCRETE FILL MATERIAL, PER SPECIFICATIONS
17. 6'-0" MIN. ACCESS AT PERIMETER REQUIRED FOR FDNY.
18. FOR WINDOW SHADE ASSIGNMENT, SEE WINDOW SCHEDULE, SHEET A920

Architecture & Engineering

Dominick DeAngelis, AIA, Vice President
Ellen R. Ahmet, P.E., Senior Director, Design Consultant Management
Stanley Dahir, R.A., Director, Quality Control & Construction Support
Maria A. Gómez, P.E., LEED A.P., Senior Director, A&E In-House Design
George D. Roussey P.E., LEED A.P., Director, Technical Standards
Stacey Spann-Thorn, Director, Operations Support

Consultants:

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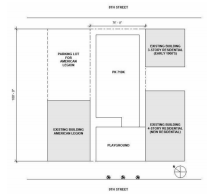
Romano Gatland
1 Huntington Quadrangle, Suite 2C03
Melville, NY 11747
631-226-7700 tel 631-226-7175 fax
romano gatland.com

NOTE: Drawing may be printed at reduced scale

IT IS A VIOLATION OF THE STATE EDUCATION LAW SECTION 7209 (2) FOR ANY PERSON TO ALTER AN ITEM IN ANY WAY UNLESS SUCH PERSON IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, AND THE ENGINEER STAMPS SUCH CHANGES

No.	Date	Revision
1	01/17/2020	BID TURNOVER

Key Plan:



Block # 1003 Lot # 11

SCA Design Manager:	SELIM OZALP, R.A.
Project Architect/Engineer:	SCOTT HOLLAS, R.A.
Discipline Lead:	LAZAR KESIC, R.A.
Designer:	IAN BENTLEY
Drawn by:	IAN BENTLEY
Checked by:	JEFFREY BURKE R.A.

LL/W No:	Facility Code:	Date:
099267	K710	02/28/2024

Project:
PRE-K CENTER - BROOKLYN

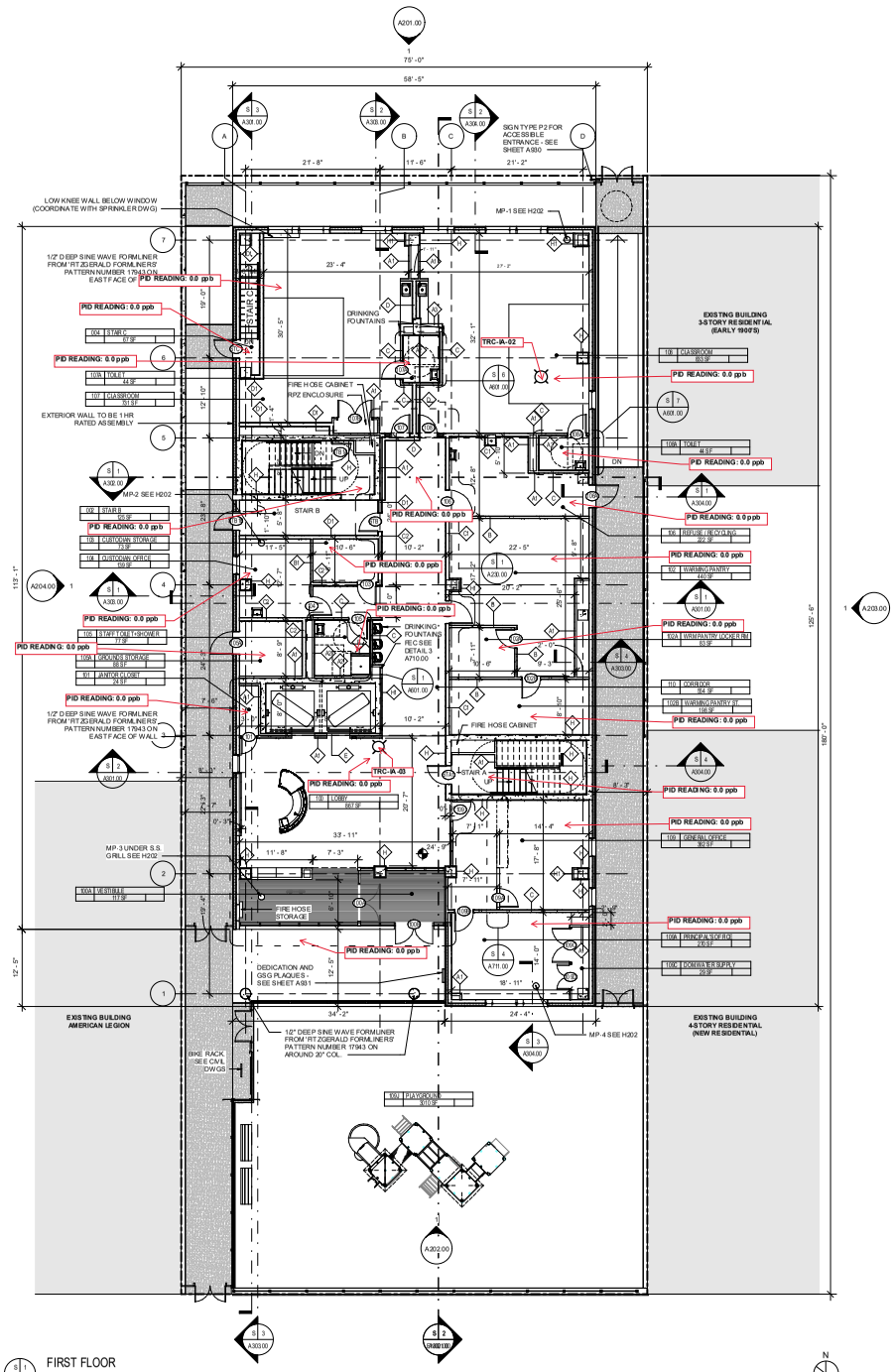
Address:
197 9TH STREET
BROOKLYN, NEW YORK 11209

Drawing Title:
NEW YORK STATE DEPARTMENT OF HEALTH INDOOR AIR QUALITY QUESTIONNAIRE BASEMENT FLOOR PLAN

Drawing No:
A101.00

Sheets in Contract Set:
1 of 2

Sheets in DOB Set:
1 of 2



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No.	Date	Revision
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PRE-K CENTER - BROOKLYN

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Drawing Title:
NEW YORK STATE DEPARTMENT OF HEALTH INDOOR AIR QUALITY QUESTIONNAIRE FIRST FLOOR PLAN

Drawing No:
A102.00

Sheets in Contract Set:
2 of 2

Sheets in DOB Set:
2 of 2

Appendix B – Laboratory Analytical Report

www.alphalab.com

Alpha Analytical

Laboratory Code: 11148

SDG Number: L2407645

Table of Contents

Table of Contents

Table of Contents

Project Name: K710 IAQ
Project Number: 457205

Lab Number: L2407645
Report Date: 02/16/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2407645-01	TRC-IA-01	AIR	168 8TH STREET, BROOKLYN, NY	02/09/24 15:44	02/09/24
L2407645-02	TRC-IA-02	AIR	168 8TH STREET, BROOKLYN, NY	02/09/24 15:24	02/09/24
L2407645-03	TRC-IA-03	AIR	168 8TH STREET, BROOKLYN, NY	02/09/24 14:02	02/09/24
L2407645-04	TRC-AA-01	AIR	168 8TH STREET, BROOKLYN, NY	02/09/24 15:32	02/09/24

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on January 26, 2024. The canister certification data is provided as an addendum.

The WG1885731-3 LCS recovery for carbon tetrachloride (132%), dibromochloromethane (142%) and bromoform (144%), associated with L2407645-01 through -04, is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

WG1885731-3:The quality control sample LCS, associated with WG1885731-3, did not meet the acceptance criteria for the full scan analysis for bromodichloromethane (132%) The associated compound for those samples were reported from the SIM analysis.

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 Report Date: 02/16/24

Title: Technical Director/Representative

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

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.

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

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

Report Format: Data Usability Report

Data Qualifiers

the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

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

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD

	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Alpha Job Number : L2407645

Account Name : TRC Environmental Corp
Project Number : 457205
Project Name : K710 IAQ

Received : 09-FEB-2024
Reviewer : Jennifer Jerome

Delivery Information

Samples Delivered By : Alpha 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?	**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**

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 16 2024, 05:04 pm

Login Number: L2407645
Account: TRC-NY TRC Environmental CorpProject: 457205
Received: 09FEB24 Due Date: 16FEB24

Sample #	Client ID	Mat	PR	Collected
L2407645-01	TRC-IA-01	10	S0	09FEB24 15:44
TO15 SIM for 7 NYS DMCs ASP-B Package Due Date: 02/16/24				
ASP-B,CAN-CERT,CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2407645-02	TRC-IA-02	10	S0	09FEB24 15:24
TO15 SIM for 7 NYS DMCs Package Due Date: 02/16/24				
CAN-CERT,CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2407645-03	TRC-IA-03	10	S0	09FEB24 14:02
TO15 SIM for 7 NYS DMCs Package Due Date: 02/16/24				
CAN-CERT,CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2407645-04	TRC-AA-01	10	S0	09FEB24 15:32
TO15 SIM for 7 NYS DMCs Package Due Date: 02/16/24				
CAN-CERT,CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				

Logged By: Christopher J Anderson

AIR ANALYSIS

ALPHA ANALYTICAL — CHAIN OF CUSTODY

PAGE 1 OF 1

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

Date Rec'd in Lab: 2/10/24

ALPHA Job #: L2407645

Client Information

Client: TRC Engineers, Inc
Address: 1407 Broadway Suite 3301
New York, NY 10018
Phone: 212-221-7822
Fax: 212-221-7840
Email: Ekessler@trcompanies.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: K710 IAQ
Project Location: 168 8th street, Brooklyn, NY
Project #: 459205
Project Manager: Emily Kessler
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)
5 day
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:
ASP Category B
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #: 212532

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Full TO-15 list

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH (Select Non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
07645-01	TRC-1A-01	2/9/24	0744	1544	-30.27	-5.53	AA	EH	6L	584	01655	X					
-02	TRC-1A-02	2/9/24	0739	1524	-28.44	-4.32	AA	EH	6L	2486	0779	X					
-03	TRC-1A-03	2/9/24	0738	1402	-30.61	-2.88	AA	EH	6L	3303	0427	X					
-04	TRC-AA-01	2/9/24	0747	1532	-30.29	-3.56	AA	EH	6L	2325	01710	X					

*SAMPLE MATRIX CODES

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

Container Type: summa canisters

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

Relinquished By:	Date/Time	Received By:	Date/Time:
Elvia He	2/9/24 1600	Tyler M Yannie	2/9/24 1600
Tyler M Yannie	2/9/24 1800	Paul Mazzella	2/9/24 2015
Paul Mazzella	2/9/24 0140		2/10/24 0140
	2/10/24 0720		2/10/24 0720

Form No. 101-02 Rev. (25-Sep-15)

Supporting Documentation

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2407645-01	TRC-IA-01	01655	Flow 4	01/26/24	452329		-	-	-	Pass	10.0	10.0	0
L2407645-01	TRC-IA-01	584	6.0L Can	01/26/24	452329	L2400729-06	Pass	-29.9	-4.3	-	-	-	-
L2407645-02	TRC-IA-02	0779	Flow 4	01/26/24	452329		-	-	-	Pass	10.2	10.4	2
L2407645-02	TRC-IA-02	2486	6.0L Can	01/26/24	452329	L2400169-04	Pass	-29.9	-3.2	-	-	-	-
L2407645-03	TRC-IA-03	0027	Flow 4	01/26/24	452329		-	-	-	Pass	10.0	10.1	1
L2407645-03	TRC-IA-03	3303	6.0L Can	01/26/24	452329	L2400169-03	Pass	-29.9	-2.0	-	-	-	-
L2407645-04	TRC-AA-01	01710	Flow 4	01/26/24	452329		-	-	-	Pass	10.0	10.5	5
L2407645-04	TRC-AA-01	2325	6.0L Can	01/26/24	452329	L2401028-04	Pass	-29.9	-2.0	-	-	-	-

Air Canister Certification Results

Lab ID: L2400169-03
Client ID: CAN 3303 SHELF 36
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/03/24 20:46
Analyst: BJB

Date Collected: 01/02/24 18:00
Date Received: 01/03/24
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Air Canister Certification Results

Lab ID: L2400169-03 Date Collected: 01/02/24 18:00
Client ID: CAN 3303 SHELF 36 Date Received: 01/03/24
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air								
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
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1

Air Canister Certification Results

Lab ID: L2400169-03 Date Collected: 01/02/24 18:00
Client ID: CAN 3303 SHELF 36 Date Received: 01/03/24
Sample Location: Field Prep: Not Specified

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

Air Canister Certification Results

Lab ID: L2400169-03 Date Collected: 01/02/24 18:00
Client ID: CAN 3303 SHELF 36 Date Received: 01/03/24
Sample Location: Field Prep: Not Specified

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Air Canister Certification Results

Lab ID: L2400169-03 Date Collected: 01/02/24 18:00
Client ID: CAN 3303 SHELF 36 Date Received: 01/03/24
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	96		60-140

Air Canister Certification Results

Lab ID: L2400169-03
Client ID: CAN 3303 SHELF 36
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/03/24 20:46
Analyst: BJB

Date Collected: 01/02/24 18:00
Date Received: 01/03/24
Field Prep: Not Specified

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								
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Air Canister Certification Results

Lab ID: L2400169-03 Date Collected: 01/02/24 18:00
Client ID: CAN 3303 SHELF 36 Date Received: 01/03/24
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1

Air Canister Certification Results

Lab ID: L2400169-03 Date Collected: 01/02/24 18:00
Client ID: CAN 3303 SHELF 36 Date Received: 01/03/24
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM								
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	99		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140

Air Canister Certification Results

Lab ID: L2400169-04
Client ID: CAN 2486 SHELF 37
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/03/24 21:25
Analyst: BJB

Date Collected: 01/02/24 18:00
Date Received: 01/03/24
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Air Canister Certification Results

Lab ID: L2400169-04 Date Collected: 01/02/24 18:00
Client ID: CAN 2486 SHELF 37 Date Received: 01/03/24
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air								
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
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1

Air Canister Certification Results

Lab ID: L2400169-04 Date Collected: 01/02/24 18:00
Client ID: CAN 2486 SHELF 37 Date Received: 01/03/24
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air								
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
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

Air Canister Certification Results

Lab ID: L2400169-04 Date Collected: 01/02/24 18:00
Client ID: CAN 2486 SHELF 37 Date Received: 01/03/24
Sample Location: Field Prep: Not Specified

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Air Canister Certification Results

Lab ID: L2400169-04 Date Collected: 01/02/24 18:00
Client ID: CAN 2486 SHELF 37 Date Received: 01/03/24
Sample Location: Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140

Air Canister Certification Results

Lab ID: L2400169-04
Client ID: CAN 2486 SHELF 37
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/03/24 21:25
Analyst: BJB

Date Collected: 01/02/24 18:00
Date Received: 01/03/24
Field Prep: Not Specified

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								
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Air Canister Certification Results

Lab ID: L2400169-04 Date Collected: 01/02/24 18:00
Client ID: CAN 2486 SHELF 37 Date Received: 01/03/24
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1

Air Canister Certification Results

Lab ID: L2400169-04 Date Collected: 01/02/24 18:00
Client ID: CAN 2486 SHELF 37 Date Received: 01/03/24
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM								
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	99		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	99		60-140

Air Canister Certification Results

Lab ID: L2400729-06
Client ID: CAN 584 SHELF 36
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/06/24 18:47
Analyst: RAY

Date Collected: 01/05/24 12:00
Date Received: 01/05/24
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Air Canister Certification Results

Lab ID: L2400729-06 Date Collected: 01/05/24 12:00
Client ID: CAN 584 SHELF 36 Date Received: 01/05/24
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air								
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
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1

Air Canister Certification Results

Lab ID: L2400729-06
Client ID: CAN 584 SHELF 36
Sample Location:

Date Collected: 01/05/24 12:00
Date Received: 01/05/24
Field Prep: Not Specified

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

Air Canister Certification Results

Lab ID: L2400729-06 Date Collected: 01/05/24 12:00
Client ID: CAN 584 SHELF 36 Date Received: 01/05/24
Sample Location: Field Prep: Not Specified

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

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Air Canister Certification Results

Lab ID: L2400729-06 Date Collected: 01/05/24 12:00
Client ID: CAN 584 SHELF 36 Date Received: 01/05/24
Sample Location: Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

Air Canister Certification Results

Lab ID: L2400729-06
Client ID: CAN 584 SHELF 36
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/06/24 18:47
Analyst: RAY

Date Collected: 01/05/24 12:00
Date Received: 01/05/24
Field Prep: Not Specified

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								
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Air Canister Certification Results

Lab ID: L2400729-06 Date Collected: 01/05/24 12:00
Client ID: CAN 584 SHELF 36 Date Received: 01/05/24
Sample Location: Field Prep: Not Specified

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								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1

Air Canister Certification Results

Lab ID: L2400729-06 Date Collected: 01/05/24 12:00
Client ID: CAN 584 SHELF 36 Date Received: 01/05/24
Sample Location: Field Prep: Not Specified

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

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

Air Canister Certification Results

Lab ID: L2401028-04
Client ID: CAN 2325 SHELF 49
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/08/24 23:54
Analyst: KJD

Date Collected: 01/05/24 18:00
Date Received: 01/08/24
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Air Canister Certification Results

Lab ID: L2401028-04 Date Collected: 01/05/24 18:00
Client ID: CAN 2325 SHELF 49 Date Received: 01/08/24
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air								
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
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1

Air Canister Certification Results

Lab ID: L2401028-04 Date Collected: 01/05/24 18:00
Client ID: CAN 2325 SHELF 49 Date Received: 01/08/24
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air								
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
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

Air Canister Certification Results

Lab ID: L2401028-04
Client ID: CAN 2325 SHELF 49
Sample Location:

Date Collected: 01/05/24 18:00
Date Received: 01/08/24
Field Prep: Not Specified

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Air Canister Certification Results

Lab ID: L2401028-04 Date Collected: 01/05/24 18:00
Client ID: CAN 2325 SHELF 49 Date Received: 01/08/24
Sample Location: Field Prep: Not Specified

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

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

Air Canister Certification Results

Lab ID: L2401028-04
Client ID: CAN 2325 SHELF 49
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/08/24 23:54
Analyst: KJD

Date Collected: 01/05/24 18:00
Date Received: 01/08/24
Field Prep: Not Specified

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								
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Air Canister Certification Results

Lab ID: L2401028-04 Date Collected: 01/05/24 18:00
Client ID: CAN 2325 SHELF 49 Date Received: 01/08/24
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1

Air Canister Certification Results

Lab ID: L2401028-04 Date Collected: 01/05/24 18:00
Client ID: CAN 2325 SHELF 49 Date Received: 01/08/24
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM								
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	98		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

Attachment 9
Work Order

Facility: DSF DIVISION OF SCHOOL FACILITIES
Unit : K Project :
W/O Type: CO Priority: 71 W/O Dspln: H
Planner : HSIDDIQ SIDDIQUI
W/O Title : 77/24/Q298 - SSDS ANNUAL INSPECTION
W/O Task Title: 77/15/K710 - SSDS ANNUAL INSPECTION
Written To : PRE-K CENTER @ 8 TH STREET
Task Dspln : Completed By:

Work Order Package

01003515 23

Rpt : TIPMC11
Date: 12/01/2025

NEW YORK CITY DEPT. OF EDUCATION

Work Order Task Written To

Facility : DSF Unit : K Op Sys : GEO-15
Division : Area : ISC4 Sys/Cls: K710
Equipment : ABLDG K710 Component:
Work Item : Eqt. List: Ops Review Reqd: N
Equip. Tag: Alt:
UTC : Tbl/Brkdwn: (Past 12 mo)
Catalog ID: Job Type : CO UCR: GN26
Client/Act:
Location : K00 00000000 000115 166 8 ST, BROOKLYN, NY 11215
Cost Centr: G839 Activity : User Def:
Percentage: 100.000 Acct No. : GL

Work Order Task Instructions

K710 - SSDS ANNUAL INSPECTION 2025 - NYSDEC
ASSIGNED ATC

Contract and Outside Services

Contract	Rel	Vendor	Title
00011082	01147	460399408	77/15/K710 - SSDS ANNUAL INSPECTION 202

Completion Comments on Work Performed

Completion Comments Required : N

Comments:

Comments:

Facility: DSF DIVISION OF SCHOOL FACILITIES
Unit : K Project :
W/O Type: CO Priority: 71 W/O Dspln: H
Planner : HSIDDIQ SIDDIQUI
W/O Title : 77/24/Q298 - SSDS ANNUAL INSPECTION
W/O Task Title: 77/15/K710 - SSDS ANNUAL INSPECTION
Written To : PRE-K CENTER @ 8 TH STREET
Task Dspln : Completed By:

Work Order Package

01003515 23

Rpt : TIPMC11
Date: 12/01/2025

NEW YORK CITY DEPT. OF EDUCATION

Comments:

Continued on Additional Sheets? : _____

***** E N D O F R E P O R T *****