Construction Completion Report
Sub-Slab Depressurization System Install
Former Erwin Dry Cleaners Site (828154)

Date: July 19, 2022
To: Matt Dunham (NYSDEC)
From: Heather Budzich and Matt Crance (Parsons)

Background

This memorandum was prepared to document the installation of a sub-slab depressurization system (SSDS) at an off-site property to the Former Erwin Dry Cleaners site (Site). The work was performed on January 25 and 26, with troubleshooting on February 9, and March 7, 2022. The work was authorized under NYSDEC Contract D009811, work assignment (WA)-15. The Site is located at 1445 West Ridge Road, Greece, New York. The Site location and Site plan are included on Figures 1 and 2, respectively. The SSDS was installed in a private residence located southwest of and downgradient of the Site and is identified as "Property 3."

In general, soil vapor is a potential exposure pathway to site contamination associated with the Former Erwin Dry Cleaners Site. Results from Parsons 2018 soil vapor investigation detected perchloroethylene (PCE) and trichloroethylene (TCE) in sub-slab and indoor air samples. Comparison of these results to the May 2017 New York State Department of Health (NYSDOH) guidance matrices recommended mitigation of Property 3 to minimize current or potential exposures associated with soil vapor intrusion. Downgradient soil vapor and indoor air impacts are likely the result of transport of chlorinated solvents in groundwater and migration of contaminants into the vadose zone from the Site. Groundwater flow at the Site is to the southwest. The analytical data from the 2018 sampling efforts are included on Figure 3.

Field Observations

The mitigation system installed at Property 3 was designed to prevent the further intrusion of vapors from subsurface contamination associated with volatile organic compounds (VOCs). Parsons completed a site visit with the homeowners on December 6, 2021 to determine the optimum location for the SSDS. During the visit, Parsons noted the following details about the basement and utilities entering the house:

- No sump pump
- Storm drain at foot of basement stairs is plugged
- Electric line enters house directly above circuit breaker panel
- Circuit breaker panel is located along west wall of basement, toward back of house
- Gas line enters house near foot of basement stairs
- Limited utility access to the upper roof

The general sequence of events and safety considerations for installing the SSDS and associated piping are included below. A photo log documenting the SSDS install is included as **Attachment A**, and the Department of Environmental Remediation (DER) Mitigation System Installation Record form is included as **Attachment B**. Scanned copies of field safety paperwork are included in **Attachment C**.

Safety Considerations:

- On January 19, 2022, Parsons completed a one call notification with Dig Safely New York prior to initiating coring at Property 3.
- A 5-gas meter was used to monitor the breathing zone of workers prior to and during all intrusive field activities.
- The Parsons field team reviewed all applicable Activity Hazard Analyses (AHAs) prior to commencing work.
- Parsons field team donned face masks while working inside the house to mitigate the potential for exposure to COVID-19.
- Prior to coring, the basement window was opened, and a battery operated fan was turned on to facilitate venting of the workspace.

Coring through Sub-Slab and Hanging Pipe:

- Coring through the concrete basement slab took place near the center of the basement, inside a closet door (see photo log in **Attachment A**). The core diameter was 3.5 inches. Non-potable water was used to mitigate silica dust generation during coring. A wet vac was used to remove water from the basement floor at the same rate it was generated to avoid pooling. A concrete quick set mix was placed around the PVC piping extending through the cored sub-slab to create a seal.
- PVC piping was placed to extend from the basement floor up to the basement ceiling at the location of the cored sub-slab, then extended across the ceiling to the basement window located along the south side of the house. The piping along the ceiling was placed at a slightly slanted angle to allow for water drainage through the piping. SSDS piping was 3 inches in diameter to fit the size of the core through the sub-slab.
- Low VOC glue and primer were used to assemble indoor PVC piping lengths. All Weather PVC glue was used to assemble outdoor PVC piping lengths due to the low temperatures encountered.
- Piping was affixed to ceiling joists/wall studs using wood screws and pipe hangers.
- Track mats were used to facilitate access of an all-terrain scissor lift equipped with outriggers to the backyard while minimizing damage to the property. The scissor lift was used by a Parsons trained and competent operator to affix the SSDS piping from the basement window and along the house exterior to three feet above the second story roof line. The Parsons field team reviewed the Parsons Working at Heights Rescue Plan prior to commencing work. An appropriate safety harness was worn at all times the scissor lift was in operation.
- A stud finder and thermal camera were used to locate studs on exterior walls of house to ensure piping was secure and to avoid the potential for unintentional drilling through a utility in the wall cavity.
- SSDS piping was installed to exit the basement window and extend along the exterior walls of the house to three feet above the second story roof line. Piping was affixed to the house along exterior siding and along the first floor roof overhang. The factory-produced rain cap ordered

for SSDS installation had not yet arrived at the time of installation, so one was constructed using PVC piping and PVC vent screen caps.

- Screws were only used in exterior siding and soffits, and were not used to affix to the roof to secure piping. Hangers were used to secure the piping at each roof line.

Electrical Work:

- A RadonAway C Series GP501c radon mitigation blower with the serial number 221290 was procured and installed on the exterior of the house. The blower was also hooked up to the circuit breaker panel inside the house.
- The Town of Greece does not have any permit requirements for who completes electrical work but rather only requires that a building inspector comes to the property to review the work upon completion. The electrical inspection was performed on January 26, 2022 by John Scott of the New York Electrical Inspection Agency, Inc. following SSDS installation, and the inspection certificate is included as **Attachment D**.
- Electrical conduit was run from the home circuit breaker box to the blower, primarily across the basement ceiling through predrilled holes in joists
- All electric to the house was shut off prior to making the connection. Prior to shutting off the power, Parsons notified the property owner to transfer from their powered oxygen supply to a mobile oxygen supply. The duration of the power outage was less than 3 minutes.

System Operation/Maintenance:

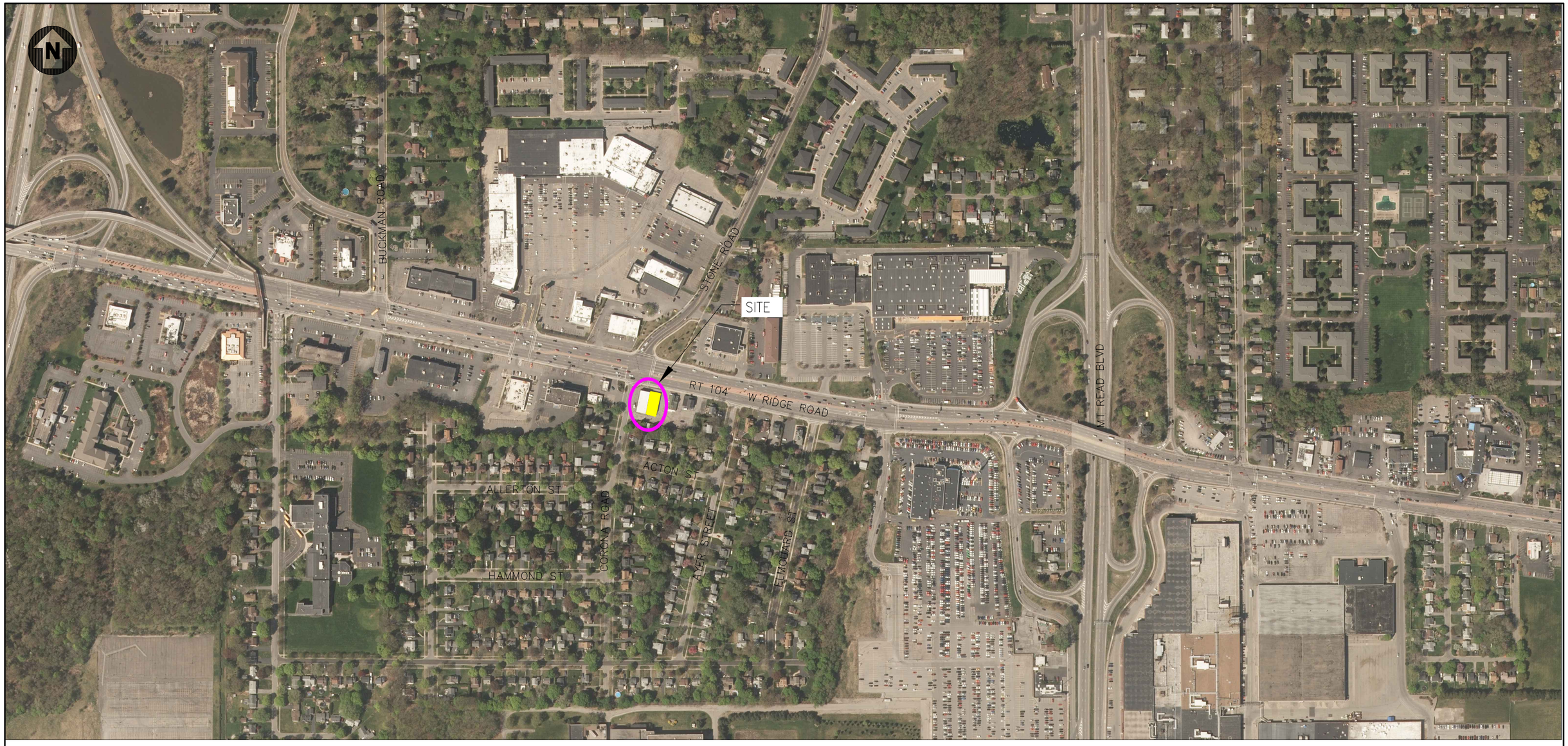
- A communication test was performed following installation by drilling three test holes through the sub-slab at various distances from the SSDS core and measuring the vacuum beneath the sub-slab using an EHDIS digital manometer. A sketch showing testing locations and a table of manometer readings are included in **Attachment B.**
- The SSDS includes a pressure testing device (u-tube with red dye) so that the homeowner can check that the system is functioning properly. Service instructions were added to the SSDS along with a name and number to call to discuss any issues (**Attachment E**). Following initial installation, the responsibility for monitoring the system and paying electrical costs was transferred to the homeowner.
- Following reports from the homeowner that pressure in the system was sometimes dropping to zero overnight, Parsons staff returned to the property on February 9, 2022. The initial reading on the system's u-tube at this time was 0.5" H_2O. At the homeowner's request, Parsons added a manual condensate drain to the SSDS piping just inside of the basement window. The homeowner requested that the condensate drain would drain into a 5-gallon bucket near the window instead of a sink or other location. Once the condensate drain was added, the SSDS vacuum extraction increased to 1.5-1.7" H_2O. Parsons staff left the factory-produced rain cap with the homeowner so that the homeowner could install the cap if desired at a later date.
- System continued to experience tripping. On March 7, 2022 the GCFI outdoor electrical outlet was changed to a GCFI/ switch combo. The outlet remains protected by the GFCI while the blower is now routed through the switch and not protected by the GFCI. Both are still controlled by the same circuit breaker.
- Post-system-installation sampling was performed March 10-11, 2022. A NYSDOH Indoor Air Quality Questionnaire and Building Inventory was completed prior to sample collection. A copy

of this form along with the sample collection field forms are included in **Attachment F.** Samples were collected from the indoor air breathing zones of the basement, the first floor kitchen, and the first floor (downstairs) bedroom, as well as the ambient air outside the house. Sampling results for detected compounds are included on Figure 3. Concentrations of PCE and TCE detected from indoor air samples during the March 2022 sampling event were lower than concentrations detected during the March 2018 sampling event, while the concentration of cis-1,2-DCE increased slightly. Additionally, vinyl chloride was detected in the March 2022 samples but was non-detect in the March 2018 samples. The March 2022 detection may be due to a lower detection limit used by the lab (0.086 µg/m^3) compared to March 2018 (0.51 µg/m^3). The Data Usability Summary Report (DUSR) is included in **Attachment G** and the lab report in **Attachment H**.

Next Steps

On April 26, 2022, Parsons transmitted a copy of the NYSDOH Indoor Air Quality Questionnaire and Building Inventory along with the sample collection field forms, the analytical results, the DUSR, and the lab report to NYSDOH for their review and use. Any future sampling events at this property will be at the direction of NYSDOH and/or NYSDEC.

FIGURES



400 200 0 400 800

SCALE: 1"=400'

FIGURE 1

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

FORMER ERWIN DRY CLEANERS SITE
1445 WEST RIDGE ROAD
GREECE, NEW YORK

SITE LOCATION MAP

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\NYSDEC PROGRAM\450499 - WA #31 - FORMER ERWIN CLEANERS\10.0 TECHNICAL CATEGORIES\CAD\2021 SCOPE OF WORK\ERWIN-2021-SLM.DWG
PLOT DATE: 9/29/2021 10:23 AM PLOTTED BY: RUSSO, JILL

20 10 0 20 40

SCALE: 1"=20'

FIGURE 2

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

FORMER ERWIN DRY CLEANERS
1445 WEST RIDGE ROAD
GREECE, NEW YORK

SITE PLAN

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\NYSDEC PROGRAM\450499 - WA #31 - FORMER ERWIN CLEANERS\10.0 TECHNICAL CATEGORIES\CAD\2021 SCOPE OF WORK\450499-2021-002.DWG
PLOT DATE: 10/13/2021 2:23 PM PLOTTED BY: RUSSO, JILL

NOTES:

1. UNITS REPORTED IN ug/m³
2. ND – NON-DETECT
3. SHADED CELL WARRANTS MITIGATION ACCORDING TO THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) SOIL VAPOR/INDOOR AIR MATRICES (MAY 2017).

Confirmation Sampling Following SSDS System Install

Property 3

	Location ID:	7632R		7623R-BS	7623R-1F-1	7623R-1F-2	7623R-AA
	Sample ID:	7623R-031918-IA	7623R-031918-SS	**7623R-031022-IA-BS**	**7623R-031022-IA-1F-1**	**7623R-031022-IA-1F-2**	**7623R-031022-AA**
	Sample Date:	3/19/2018		3/10/2022	3/10/2022	3/10/2022	3/10/2022
	Sample Location	Indoor Air	Sub-Slab	Basement Indoor Air	Kitchen	Downstairs Bedroom	Ambient/Outdoor Air
COMPOUND	UNITS:						
Acetone	mg/m3	62.2	ND	59.4	69.4	51.1	7.53
Benzene	mg/m3	1.6	ND	ND	0.664	0.716	0.709
Chloroform	mg/m3	3.4	ND	ND	ND	ND	ND
Chloromethane	mg/m3	2.9	ND	1.6	1.61	1.79	1.34
Dichlorodifluoromethane	mg/m3	3	ND	4	3.16	3.31	2.62
Ethanol	mg/m3	18	ND	66.9	82.2	85	10.5
Ethyl Acetate	mg/m3	ND	ND	4.5	2.64	1.95	ND
Isopropanol	mg/m3	ND	ND	8.6	6	5.36	1.27
m,p-Xylene	mg/m3	ND	ND	5	ND	ND	ND
Methyl Ethyl Ketone (2-Butanone)	mg/m3	10	ND	3.54	1.97	1.78	ND
N-Heptane	mg/m3	1.2	ND	1.59	1.35	1.2	ND
N-Hexane	mg/m3	1.8	ND	ND	ND	ND	ND
2-Hexanone	mg/m3	5.3	33 J	ND	ND	ND	ND
Methylene Chloride	mg/m3	2.1	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	mg/m3	0.93	ND	ND	ND	ND	ND
Tetrahydrofuran	mg/m3	24	ND	4.25	1.96	ND	ND
Toluene	mg/m3	5.3	ND	6.07	2.73	2.59	1.13
Trichlorofluoromethane	mg/m3	2.2	ND	3.31	4.67	6.07	1.28
1,1,1-Trichloroethane (TCA)	mg/m3	ND	ND	0.348	0.262	0.295	ND
Carbon Tetrachloride	mg/m3	ND	ND	0.538	0.547	0.585	0.522
Cis-1,2-Dichloroethylene	mg/m3	1.6	ND	2.14	1.84	2.09	ND
Tetrachloroethylene (PCE)	mg/m3	14	766	5.4	4.71	5.17	0.142
Trichloroethylene (TCE)	mg/m3	1.6	54	0.93	0.785	0.903	ND
Vinyl Chloride	mg/m3	ND	ND	0.266	0.225	0.276	ND

FIGURE 3

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

FORMER ERWIN DRY CLEANERS
1445 WEST RIDGE ROAD
GREECE, NEW YORK

VAPOR INTRUSION RESULTS
PROPERTY 3

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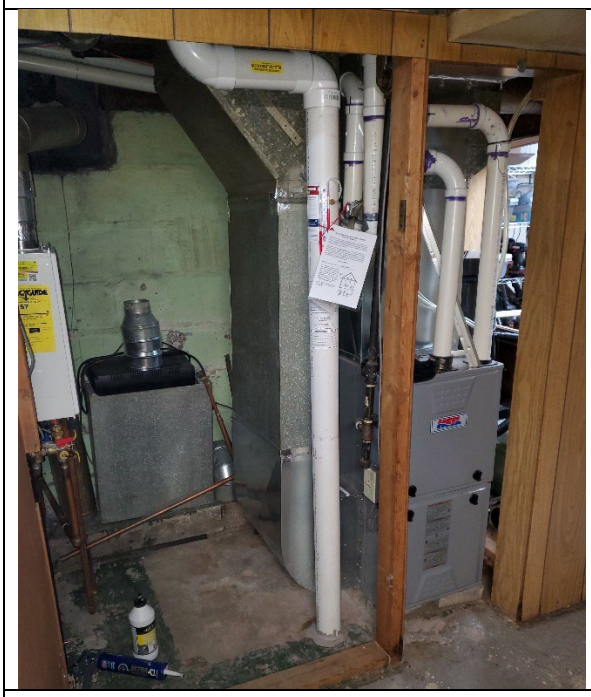
FILE NAME: P:\NYSDEC PROGRAM\450499 – WA #31 – FORMER ERWIN CLEANERS\10.0 TECHNICAL CATEGORIES\CAD\2021 SCOPE OF WORK\450499_SVI-2021.DWG
PLOT DATE: 7/19/2022 9:47 AM PLOTTED BY: RUSSO, JILL [US-US]

ATTACHMENT A
PHOTOGRAPHIC LOG

Attachment A: Photographic Log

Site: Former Erwin Dry Cleaners Site, Sub-Slab Depressurization System Install

Site Name: Former Erwin Dry Cleaners
Location: 1445 West Ridge Road, Greece, NY
Date: January 24, 2022
Description: Radon mitigation blower used in SSDS.



Site Name: Former Erwin Dry Cleaners
Location: 1445 West Ridge Road, Greece, NY
Date: January 26, 2022, 11:43 AM
Description: Installed piping at coring location.

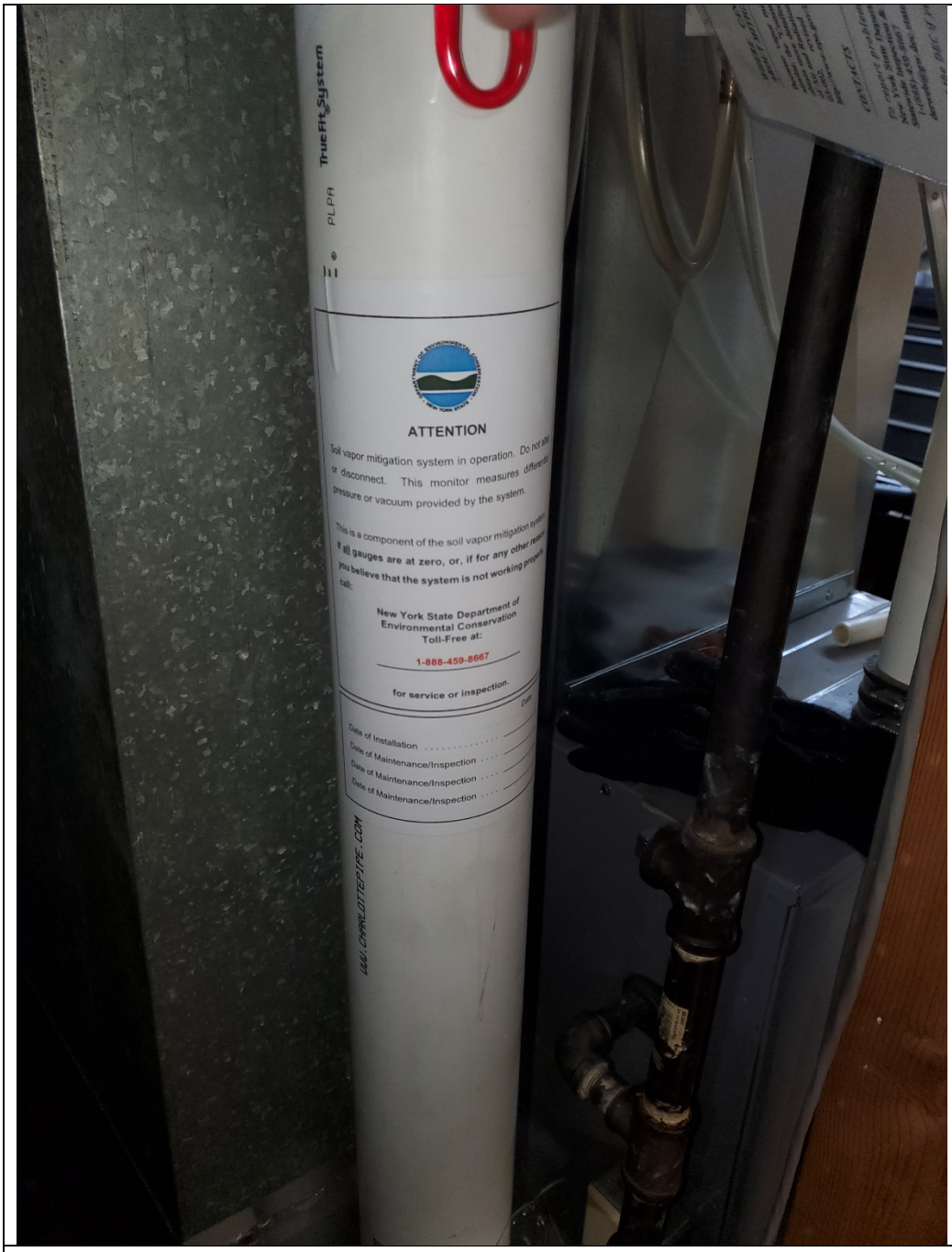
Attachment A: Photographic Log

Site: Former Erwin Dry Cleaners Site, Sub-Slab Depressurization System Install

Site Name: Former Erwin Dry Cleaners
Location: 1445 West Ridge Road, Greece, NY
Date: January 26, 2022, 11:43 AM
Description: U-tube and service instructions on installed SSDS.

Attachment A: Photographic Log

Site: Former Erwin Dry Cleaners Site, Sub-Slab Depressurization System Install



Site Name: Former Erwin Dry Cleaners
Location: 1445 West Ridge Road, Greece, NY
Date: January 26, 2022, 11:44 AM
Description: Label on installed SSDS.

Attachment A: Photographic Log

Site: Former Erwin Dry Cleaners Site, Sub-Slab Depressurization System Install

Site Name: Former Erwin Dry Cleaners
Location: 1445 West Ridge Road, Greece, NY
Date: January 26, 2022, 11:44 AM
Description: Piping with u-bends in installed SSDS, near basement ceiling.

Site Name: Former Erwin Dry Cleaners
Location: 1445 West Ridge Road, Greece, NY
Date: January 26, 2022, 11:44 AM
Description: SSDS piping exiting basement through window.

Attachment A: Photographic Log

Site: Former Erwin Dry Cleaners Site, Sub-Slab Depressurization System Install

Site Name: Former Erwin Dry Cleaners
Location: 1445 West Ridge Road, Greece, NY
Date: January 26, 2022, 11:44 AM
Description: SSDS piping extending across basement ceiling.

Attachment A: Photographic Log

Site: Former Erwin Dry Cleaners Site, Sub-Slab Depressurization System Install

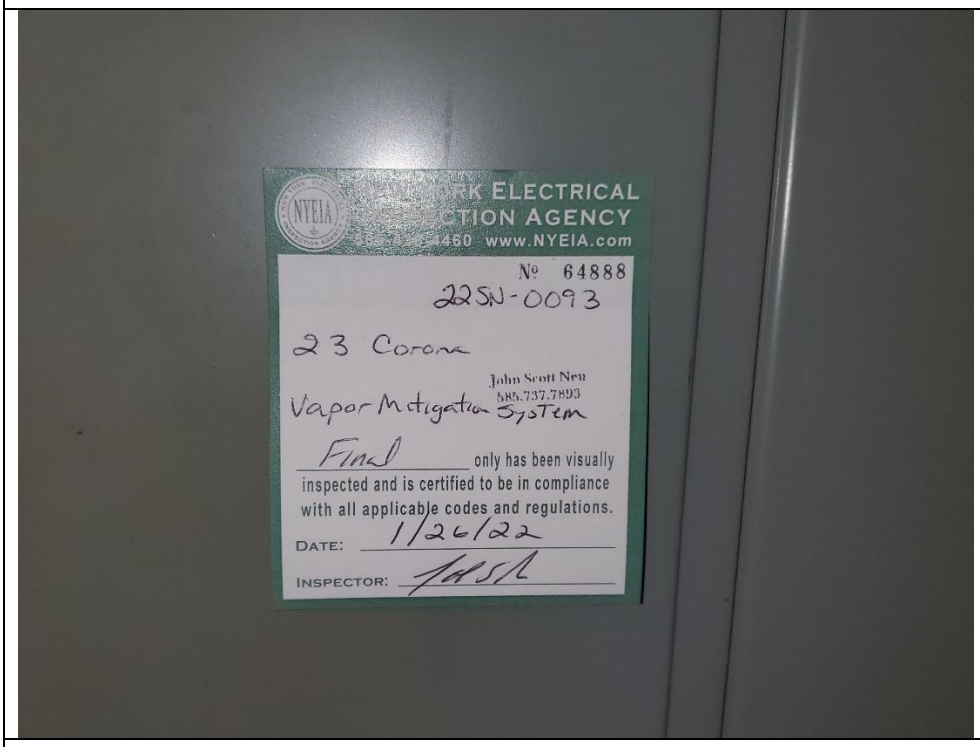
Site Name: Former Erwin Dry Cleaners
Location: 1445 West Ridge Road, Greece, NY
Date: January 26, 2022, 11:44 AM
Description: Radon blower circuit attached near basement ceiling.

Site Name: Former Erwin Dry Cleaners
Location: 1445 West Ridge Road, Greece, NY
Date: January 26, 2022, 11:44 AM
Description: SSDS wiring in basement ceiling.

Attachment A: Photographic Log

Site: Former Erwin Dry Cleaners Site, Sub-Slab Depressurization System Install

Site Name: Former Erwin Dry Cleaners
Location: 1445 West Ridge Road, Greece, NY
Date: January 26, 2022, 11:45 AM
Description: SSDS wiring entering basement fuse box.



Site Name: Former Erwin Dry Cleaners
Location: 1445 West Ridge Road, Greece, NY
Date: January 26, 2022, 2:07 PM
Description: Electrical inspection certificate for SSDS install.

Attachment A: Photographic Log

Site: Former Erwin Dry Cleaners Site, Sub-Slab Depressurization System Install

Site Name: Former Erwin Dry Cleaners
Location: 1445 West Ridge Road, Greece, NY
Date: January 26, 2022, 3:13 PM
Description: Completed outdoor portion of SSDS.

Attachment A: Photographic Log

Site: Former Erwin Dry Cleaners Site, Sub-Slab Depressurization System Install

Site Name: Former Erwin Dry Cleaners
Location: 1445 West Ridge Road, Greece, NY
Date: January 26, 2022, 3:13 PM
Description: SSDS piping exiting basement window to radon mitigation blower.

Attachment A: Photographic Log

Site: Former Erwin Dry Cleaners Site, Sub-Slab Depressurization System Install

Site Name: Former Erwin Cleaners
Location: 1445 West Ridge Road, Greece, NY
Date: January 26, 2022, 3:14 PM
Description: SSDS piping affixed to siding and roof.

Attachment A: Photographic Log

Site: Former Erwin Dry Cleaners Site, Sub-Slab Depressurization System Install

Site Name: Former Erwin Dry Cleaners
Location: 1445 West Ridge Road, Greece, NY
Date: January 26, 2022 3:14 PM
Description: SSDS piping affixed to siding and roof, terminating in constructed rain cap.

Attachment A: Photographic Log

Site: Former Erwin Dry Cleaners Site, Sub-Slab Depressurization System Install

Site Name: Former Erwin Dry Cleaners
Location: 1445 West Ridge Road, Greece, NY
Date: January 26, 2022, 3:44 PM
Description: Performing communication test with digital manometer.

ATTACHMENT B
MITIGATION SYSTEM INSTALLATION RECORD

DELIVERING A BETTER WORLD

July 2022

Mitigation System Installation Record

☒ Structure was sampled previously

System Information

Site No: 828154

System ID: Vapor Intrusion System

Site Name: NYSDEC Fmr. Erwin Cleaners

Owner Name: Philip Baily ☒ Owner Occupied

System Address: 23 Corona Road Telephone: 585-719-5043

City: Rochester, NY Zip: 14615 Alt. Telephone:

Contractor Information

Installer Name: Matthew Crance Company: Parsons

Telephone: 315-246-8156

Building Conditions

Building Type: Single Family Residence

Slab Integrity: ○ Poor ◉ Average ○ Good ○ Excellent

Slab Penetrations: ☐ Sump ☐ Floor drain ☐ Perimeter drain ☐ Other

Describe:

old carpet adhesive throughout.

Observed Water: ◉ Dry ○ Damp ○ Sump only ○ Standing

Describe:

System Installation

Installation Type: Sub-Slab Depressurization (Active) Date Installed: Jan 25, 2022

Slab Thickess (inches): 3 to 5 in.

Subslab Material: Sand Subslab Moisture: Dry

Number of Suction Points: 1 Number of Fans Installed: 1

	☒ Fan #1 Operating	☐ Fan #2 Operating	☐ Fan #3 Operating
Fan Model No(s):	GP501c		
Fan Serial No(s):	221290		
Final U-Tube Levels:	2" H2O		

Additional Mitigation Elements (check all that apply):

☐ Drainjer ☐ Membrane ☐ Sealed cracks ☐ New floor ☒ Rain cap ☐ Other

Comments:

1) homeowner advised to remove dirt from windows to prevent water from coming in.
2) custom made rain cap installed, owner may replace with factory rain cap.
3) inside slope is flatlined. Need to monitor. If needed can lower into inside door.

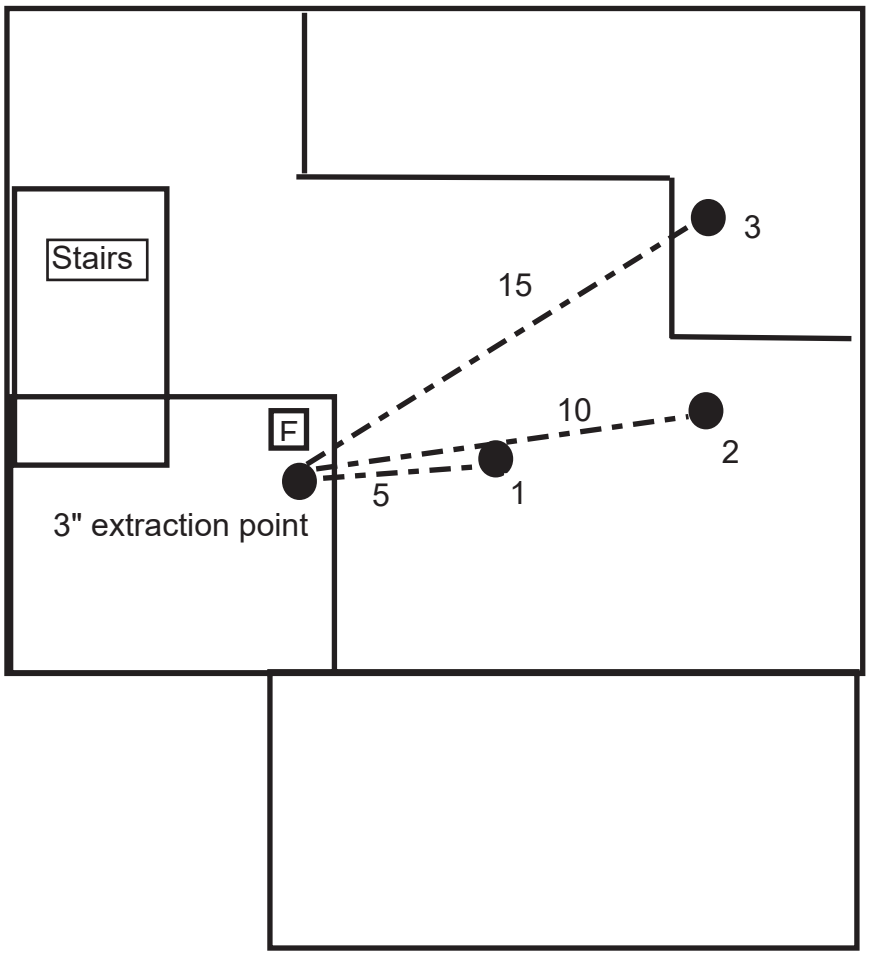
Communication Testing

Test Method: Micromanometer Meter Type/Manufacturer: EHDIS Manometer

Location	Reading/Result	Dist. From Suction Point (ft)	Passed?
1	0.45	5	☒
2	0.22	10	☒
3	0.16	15	☒
			☐
			☐

NORTH

System Sketch
(indicate notable features, location of extraction points, and communication test holes)



ATTACHMENT C
HEALTH AND SAFETY PAPERWORK

DELIVERING A BETTER WORLD

July 2022

PARSONS

Fall Protection Equipment Inspection Form

Description of Item	Guardian Series Harness	Guardian Internal Shock Lanyard
Serial Number	NA	NA
Model	Part 37007	Part 11206
Manufacture Date	12/2021	12/2021

Inspection Date	Deficiencies	Corrective Action	Maintenance Performed
1/25/22			New
Approved By:			

Inspection Date	Deficiencies	Corrective Action	Maintenance Performed
1/25/22			New
Approved By:			

Inspection Date	Deficiencies	Corrective Action	Maintenance Performed
Approved By:			

Inspection Date	Deficiencies	Corrective Action	Maintenance Performed
Approved By:			

Parsons Project Name: NYSDEC Erwin Drycleaners

Work at Heights Fall Rescue Plan

Note: Fall Rescue Plans that meet or exceed the requirements of this form may be used in place of this form.

Company Name: Parsons

I. Pre-plan Checklist:

a. Please check the rescue service/team/personnel that will be used to perform rescue in the event of a fall:

☐ On-site

☒ Off-site *(listing "911" only is not an acceptable means of rescue)*

Contact Name and phone number if using off-site rescue:

- Medical Emergency – Facility Name: Unity Hospital of Rochester: 585-723-7000 OR 911
- Clinic: Pulse Occupational Medicine of Rochester: 585-360-1788
- Fire: Greece Ridge Fire Department: 585-227-2121 OR 911
- Police: Greece Police Department: 585-865-9200 OR 911

b. Please check method that will be used to perform a rescue in the event of a fall:

☐ Self-Rescue (safety standby is still required as workers wearing harness systems shall never work alone)

☒ Mobile Elevated Work Platform (e.g. JLG, scissor lift, manlifts, cherry picker)

☒ Ladder (ensure ladder is a practical option based on height of work / height of rescue / height of ladder)

☒ Other (please describe): combination of lowering the MEWP and A-frame ladder

c. Is the equipment ready and within reach for timely rescue? Yes ✓ *(if "No," use Stop Work Authority)*

d. Has the equipment been inspected prior to use? Yes ✓ *(if "No," use Stop Work Authority)*

e. Are designated rescue personnel trained and competent in the use of the equipment? Yes ✓ *(if "No," use Stop Work Authority)*

f. Write a short description of rescue plan:

The secondary employee will use a combination of A-Frame ladder and lowering of the scissor lift during the rescue to give the operator a platform to "right" themselves and/or lower the individual to ground level. An immediate assessment will need to be made by the secondary employee to ensure that if lowering the lift is the preferable option, that the operator is not in the line of fire when the lift is in motion.

II. Job Task:

a. Please check to verify the following applicable items are followed:

☒ Anchor (tie-off) point above head or used per manufacturer specifications

☒ Anchor (tie-off) point is rated to withhold 5,000 lbs.

☒ Total fall distance has been calculated. Select either Lanyard or SRL table (*fill in blank items and add all numbers together*):

Lanyard + Shock Absorber	
Lanyard Length	6 Ft
Shock Absorber Deployment	2 Ft
D-Ring Movement	1 Ft
Body Height	5'10" Ft
Safety Distance	2 Ft
Total Fall Distance =	16 Ft

Self-Retracting Lifeline (SRL)	
Free Fall Distance	Ft
Decelerator Deployment	Ft
D-Ring Movement	1 Ft
Body Height	Ft
Safety Distance	2 Ft
Total Fall Distance =	Ft

b. Total Ground Clearance = 20 Ft

c. Ground clearance is *greater* than total fall distance? Yes ✓ *(If "No," use Stop Work Authority)*

III. Acceptance *(all signatures shall be signed after current worksite conditions are verified)*

Person completing form:	Josh Joly	Josh Joly	26JAN2022	0800
	(Print Name)	(Signature)	(Date)	(Time)
Safety Standby (Required):	Matthew Cranee	MCranee	1/26/22	0800
	(Print Name)	(Signature)	(Date)	(Time)

Exhibit 8.2: Aerial Platform Certification Form

PARSONS Aerial Platform Certification Form

Manufacturer: Genie

Model of self-propelled aerial platform: GS-2669RT

I, Joshua M Joly, certify that I have read, understand and will comply with the operator's manual for the fore mentioned self-propelled aerial platform and understand the operating instructions limitations, control placards, warning and caution placards, and load limits of the unit.

Print: Josh Joly Signature: JM

Date: 26 JAN 2022

I, Matthew Crance the superintendent of the above employee, verify that he/she has demonstrated the ability to operate this particular self-propelled aerial platform in a safe manner and that he/she is authorized to operate this self-propelled aerial platform.

Print: Matthew Crance Signature: MC

Date: 1/26/22

PARSONS

Fall Protection - Competent Person Assessment Checklist

Project:	MYSEC Erwin Cleanup
Competent Person Name:	Josh Joly
Evaluator Name:	Matthew Crum
Date:	1/25/22

Question	Response	(+)	(-)
When is fall protection required?	• When work or travel at an elevation of 6 ft or higher above the surrounding work level. • At the edge of excavations greater than 6 ft in depth where excavations are not readily seen because of plant growth or other visual barrier, or that require employees to enter and be on the vertical wall of the excavation, on the protective system or on any other structure in the excavation • On accessways or work platforms over water, machinery, or dangerous operations • On runways from which they may fall 4 ft (1.2 m) or more	☑ ☑ ☑ ☑	☐ ☐ ☐ ☐
When is a fall protection plan required?	• A fall protection plan is required when ever employees are exposed to a fall hazard.	☑	☐
How often does the fall protection plan need to be updated?	• The plan must be updated when systems or controls or conditions change.	☑	☐
Who is responsible for initiating and maintaining the fall protection Plan?	• The competent person is responsible for the plan.	☑	☐
Where is the plan kept?	• The plan must be on site and available to employees using fall protection equipment or where the hazard exists.	☑	☐
What is a primary fall protection system?	• A permanently installed feature of a building or equipment that provides a waling/working surfaces free from floor openings and equipped with standard guardrail systems.	☑	☐
What are the general requirements for a guardrail system?	• A top rail (2 x 4 in.) lumber or equivalent 42 in. above the ground • A midrail at approximately 21 in. above ground. • No more than 8 ft spacing between upright supports • Must be able to support 200 lb of lateral force without major deflection	☑ ☑ ☑ ☑	☐ ☐ ☐ ☐
What is a secondary fall protection system?	• Systems that are temporary and are used as a backup to primary systems or in the absence of primary systems	☑	☐
What are the minimum requirements for attachment points?	• Capable of supporting 5,000 lb impact loading – OR – • When used with systems that allow a fall of 2 ft or less, 3,000 lb impact loading.	☑	☐

Project:	NYSDEC Erwin Hamlet
Competent Person Name:	Tom Joy
Evaluator Name:	Matthew Crum
Date:	1/25/22

Question	Response	(+)	(-)
What are the minimum requirements for attachment points for lifeline systems?	• 5,000 lb per employee.	☑	☐
When do personnel working from ladders require the use of fall protection?	• When they are ≥ 6 ft AND: • Outside of the confines of the ladder • Work requires force that could cause loss of balance	☑ ☑ ☑	☐ ☐ ☐
What is the minimum number of cable clamps for lifeline systems?	• Three	☑	☐
What is the torque requirement for a ⅜-in. clamp? A ½-in. clamp?	• 45 ft-lb; 65 ft-lb respectively	☑	☐
What is the maximum span between anchorage points?	• 50 ft	☑	☐
When do lifelines require inspection?	• Before use • Weekly (logged)	☑ ☑	☐ ☐
Give 5 examples of what the competent person is inspecting a lifeline for during the daily/weekly inspection.	• Bird caging • Broken wires • Cord protrusion • Ends are taped, excess is rolled up and out of the way • Gaps or excessive clearance between stands • Heat damage, torch burns, and electric are strikes • Kinks • Platting • Sag and tension of lifeline • Softeners are in place • Worn or abraded wires	☑ ☑ ☑ ☑ ☑ ☑ ☑ ☑ ☑ ☑ ☑	☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Who and how often are harnesses to be inspected?	• Employee/daily and at least each quarter by the competent person.	☑	☐
What is the maximum free-fall distance allowed?	• 6 ft	☑	☐
What are the key components required to be inspected on a harness?	• Buckles • D-ring snaps • Rivets and grommets are tightly embedded • Thimbles or wear pads • Webbing materials	☑ ☑ ☑ ☑ ☑	☐ ☐ ☐ ☐ ☐
st three of the six fall protection stems.	• Catch platform • Fall arrest	☑	☐

PARSONS

Fall Protection - Competent Person Assessment Checklist

Project:	MYSUEC Erwin Cleaners
Competent Person Name:	Josh July
Evaluator Name:	Mathew Counts
Date:	1/25/22

	• Fall restraint • Guardrails • Safety Monitor • Warning line	☑ ☑ ☑ ☑	☐ ☐ ☐ ☐
Question	**Response**	**(+)**	**(-)**
What are the requirements for inspection of self-retracting life lines?	• Before use by inspecting the hook and swivel to see if the device has "seen "a fall load. • Checking the braking mechanism. • And annually if required by the manufacture as noted on the equipment tag	☑ ☑ ☑	☐ ☐ ☐
When using self-retracting life lines, what are the primary and secondary hazards that must be considered?	• Position of the retractable overhead to the work performed minimizing the hazard of swinging into a hazardous situation separate from the direct fall	☑	☐
What are the acceptable device(s) to attach self-retracting lifelines to anchor points? What is the minimum safety factor for this hardware?	• All hardware must have a rating and a safety factor of at least five times the load. Examples: Shackles with clevis pins, positive lock "Beaner"	☑	☐
What is the minimum fall distance in feet for an employee who falls wearing a harness with a 6-ft soft shock lanyard?	• Total fall is at least 11 ft: 6 ft for the lanyard and 5 ft to the D-ring.	☑	☐
What is the single limiting physical factor for employees using fall systems?	• Weight. Most harnesses are only rated for 325 lb or less. The same with retractable.	☑	☐
When using horizontal life lines, what two critical factors must be considered?	• The number of employees using the line and the stretch or total fall distance.	☑	☐
When designing a fall protection plan, other than the controls, what is the most important component of the plan?	• Means and methods to rescue an employee who falls.	☑	☐
What is the maximum time an employee can hang in a harness without suffering life-threatening injuries?	• No more than 15 minutes.	☑	☐
Whom must you call when a fall occurs and self-rescue is not employed?	• Call 911: the employee may need medical treatment as a result of hanging in his harness or from injuries from the fall.	☑	☐

1/25/22

25 Jan 2022

ATTACHMENT D
ELECTRICAL INSPECTION CERTIFICATE

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July 2022

Electrical Certificate

New York Electrical Inspection Agency, Inc.

2767 Dewey Avenue
Rochester, New York 14616
Office: (585) 436-4460 Fax: (585) 349-3834
www.NYEIA.com

Inspection Date:	01/26/2022
Application Number #:	22SN-0093
Certificate#:	49640A
Premises of:	Philip Bailey
Address Inspected:	23 Corona
Type of Property:	Residential
Inspection of:	Remodel
Municipality:	Greece, Town Of
County:	Monroe County
Permit Number:	
Inspected By:	Scott_John Neu
Installed By:	Parsons
Code Reference:	NFPA 70-2017
Equipment:	(1) Components GFCI Receptacles
Note:	Vapor Mitigation System

The equipment listed above has been visually inspected and was found to be in accordance with the standards and rules set forth by the New York Electrical Inspection Agency, Inc. , the National Electrical Code (NEC), the applicable Municipality, and the applicable utility company on the date listed above and does not apply to the manufacture or use of the wiring or any components.

No warranty is expressed or implied as to the efficiency, maintenance, repair, or wearing qualities and the New York Electrical Inspection Agency, Inc. shall not be liable for any damages resulting from any deficiency or error in the specifications or plans, including reconstruction, repairs, or any property damage, personal injury or death.

This certificate shall be valid for one (1) year from the date listed above and shall be null and void if any alterations or changes have been made to the electrical installation. This certificate is nontransferable. New York Electrical Inspection Agency, Inc. shall have the opportunity of making inspections upon request, and if its rules are violated, the New York Electrical Inspection Agency, Inc. shall have the right to invalidate this certificate.

Fritz Gunther
Chief Electrical Inspector

SCAN TO VALIDATE

ATTACHMENT E
SSDS LABEL AND SERVICE INSTRUCTIONS

DELIVERING A BETTER WORLD

July 2022

WHERE CAN I GET MORE INFORMATION ABOUT MITIGATION SYSTEMS?

Because vapor mitigation systems and radon mitigation systems are similar, the "Consumer's Guide to Radon Reduction" is a good place to obtain more detailed information about the topic. (See U. S. EPA Office of Air and Radiation, Office of Radiation and Indoor Air (6609J) 402-K-03-002, revised February 2003, or visit their website: http://www.epa.gov/iaq/radon/pubs/consguid.html#installtable).

CONTACTS

To report problems with your system:*

New York State Department of Environmental Conservation (DEC)
Statewide Inspection & Maintenance Program
1-(888)-459-8667
derweb@gw.dec.state.ny.us

**Contact the DEC if you sell or intend to sell the property*

For health-related questions:

New York State Department of Health (NYSDOH)
Bureau of Environmental Exposure Assessment
1- (800) 458-1158 ext. 27850
BEEI@health.state.ny.us

SYSTEM INFORMATION

When contacting the DEC, please provide the following information about your system:

Street Address/Zip Code: _____

Date Installed: _____

Installed By: _____

System ID: _____

VAPOR INTRUSION MITIGATION SYSTEM OWNER'S MANUAL

Your home's ***Vapor Intrusion Mitigation System*** was installed by the New York State Department of Environmental Conservation (DEC). The system is designed to mitigate potential human exposures to volatile organic compounds (VOCs) detected in the air beneath the building foundation (called subslab vapor).

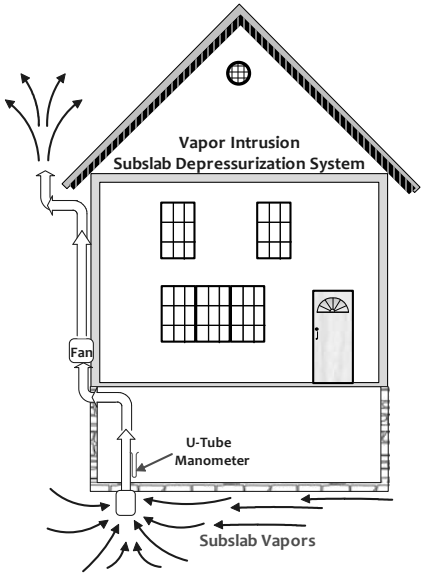
It is important that you notify the DEC if you believe your system is not working properly. The DEC will make repairs to the system as needed, but we rely on you to keep us informed about its operation. You should expect to receive annual letters from the DEC reminding you to check your mitigation system for any problems. If you have any questions about the system or if you suspect that it is not working properly, contact the DEC at the following toll-free number:

1-(888)-459-8667

HOW DO MITIGATION SYSTEMS WORK?

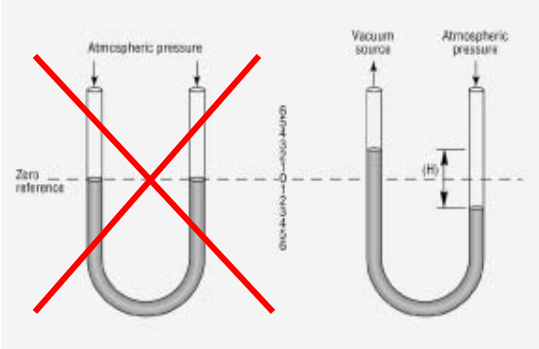
Your mitigation system includes one or more small fans and suction pipes that are used to maintain a zone of negative pressure (a vacuum) below the house. The pipes capture soil vapors and redirect them to a point above the roof. The diagram to the right illustrates these concepts based on a "typical" mitigation system.

In order for the mitigation system to be effective, it should run continuously.



HOW WILL I KNOW IF MY MITIGATION SYSTEM IS WORKING PROPERLY?

At the time of installation, pressure and flow tests were performed to confirm that the mitigation system was working properly. The system includes a liquid gauge or "U-tube manometer" installed inside your house along the vertical section of pipe which is used to monitor the system vacuum. Every so often (at least twice a year), check to make sure the manometer levels indicate that a vacuum is being applied. The levels should be unequal, as shown in the diagram to the right. If they are equal, it means that the system may not be operating properly and you should contact the DEC.



Not Working *Working*

Some systems also include a warning device (a light or alarm) that lets the owner know that the system is not operating properly. In the event that the system stops working properly, contact the DEC at:

1-(888)-459-8667

WHAT HAPPENS IF MY SYSTEM SHUTS DOWN DURING A POWER OUTAGE?

Your system should restart when power is restored. If not, locate your electrical panel and check to make sure that the circuit breaker for your system is not tripped. Reset the circuit breaker if necessary. If the system won't restart after resetting the circuit breaker, contact the DEC and describe the problem you are having. Although it is recommended that your system operate continuously, the system can remain off for brief periods (power outage, vacations, etc).

CAN I REMODEL MY HOME AFTER A SYSTEM HAS BEEN INSTALLED?

Yes, you can remodel, but if you plan to change the foundation or add onto the building, you should notify the DEC. We will work with you to make any necessary modifications to the mitigation system.

HOW MUCH NOISE SHOULD THE EXHAUST FAN MAKE?

The fan motor should make about as much noise as a refrigerator fan. Because the fan motor is located outside of the house, many people will not notice it is operating unless they stand nearby. If you notice a loud noise coming from your fan, call the DEC.

WILL THE STATE REIMBURSE ME FOR THE COST TO OPERATE MY MITIGATION SYSTEM?

The DEC does not reimburse homeowners for electricity costs.

WILL THE STATE INSPECT AND MAINTAIN MY MITIGATION SYSTEM?

The DEC is responsible for maintaining your mitigation system so that it continues to function properly, but we rely on you to let us know if the system stops working as expected. Periodically, you should check to make sure the levels in the U-tube manometer are unequal. You should also confirm that the fan is running by listening for the hum of the motor or feeling the exhaust pipe for vibrations.

If the system needs repairs, such as fixing a section of pipe or replacing the fan, access to the fan or to system components located inside your home or business may be required. The DEC will arrange to have the work done at a time that is convenient to you.

ATTENTION

Soil vapor mitigation system in operation. Do not alter or disconnect. This monitor measures differential pressure or vacuum provided by the system.

This is a component of the soil vapor mitigation system. **If <u>all</u> gauges are at zero, or, if for any other reason you believe that the system is not working properly, call:**

New York State Department of Environmental Conservation Toll-Free at:

1-888-459-8667

for service or inspection.

Date

Date of Installation . . . . . _____

Date of Maintenance/Inspection . . . . _____

Date of Maintenance/Inspection . . . . _____

Date of Maintenance/Inspection . . . . _____

ATTENTION

Soil vapor mitigation system in operation. Do not alter or disconnect. This monitor measures differential pressure or vacuum provided by the system.

This is a component of the soil vapor mitigation system. **If <u>all</u> gauges are at zero, or, if for any other reason you believe that the system is not working properly, call:**

New York State Department of Environmental Conservation Toll-Free at:

1-888-459-8667

for service or inspection.

Date

Date of Installation . . . . . _____

Date of Maintenance/Inspection . . . . _____

Date of Maintenance/Inspection . . . . _____

Date of Maintenance/Inspection . . . . _____

ATTACHMENT F
FIELD SAMPLING FORMS

Attachment F.1 NYSDOH Indoor Air Quality Questionnaire and Building Inventory Form

Attachment F.2 Field Sampling Forms

DELIVERING A BETTER WORLD

July 2022

OSR – 3

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 Jim Mihaltik Date/Time Prepared 3/10/22 10:30

Preparer's Affiliation Parsons Phone No. 607-345-2147

Purpose of Investigation VI investigation / monitoring at SSDS

1. OCCUPANT:

Interviewed: (Y) / N

Last Name: Bailey First Name: Philip

Address: 23 Carana Rd

County: Monroe

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location 2 Age of Occupants 62-67

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

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

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

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

If multiple units, how many? N/A

If the property is commercial, type? N/A

Business Type(s) _____

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

Other characteristics:

Number of floors 3 Building age ~1920's

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

4. AIRFLOW

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

Airflow between floors

Some

Airflow near source

NA

Outdoor air infiltration

NA

Infiltration into air ducts

NA

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

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with paint	
e. Concrete floor:	unsealed	sealed	sealed with paint	
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	N/A		

Basement/Lowest level depth below grade: ~6 (feet)

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

utility piping leading below slab - sewer

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

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

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

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Natural gas

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other _____
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.

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	Storage / hobbies
1st Floor	living
2nd Floor	living
3rd Floor	attic / storage
4th Floor	

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? Computer repair

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

h. Have cleaning products been used recently? Y / N When & Type?_____

i. Have cosmetic products been used recently? Y / N When & Type?_____

j. Has painting/staining been done in the last 6 months? Y (N) Where & When? _____

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

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

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

n. Is there a bathroom exhaust fan? SM (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
SSDS system installed 01/2022

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) N/A

a. Provide reasons why relocation is recommended: _____

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

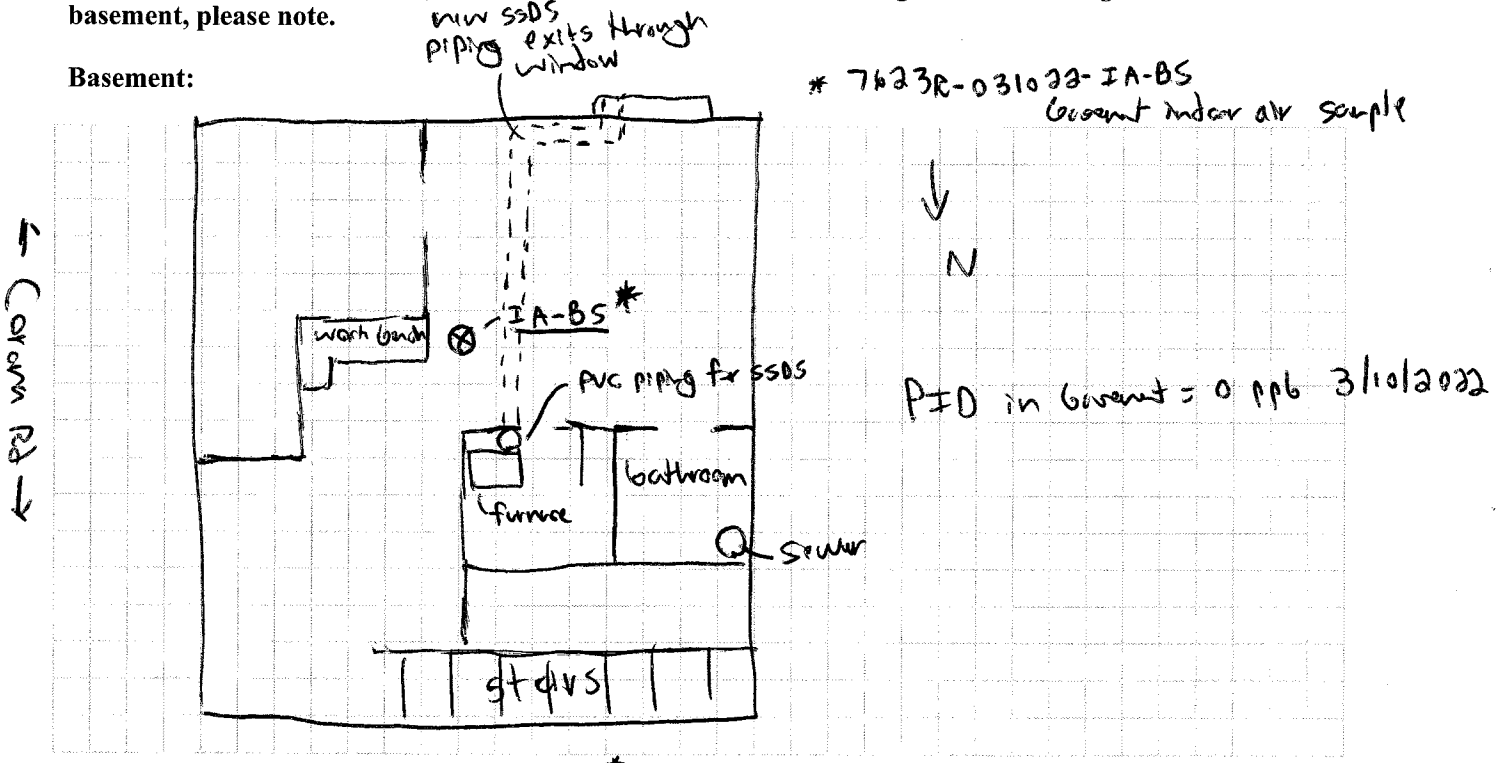
c. Responsibility for costs associated with reimbursement explained? Y / N

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

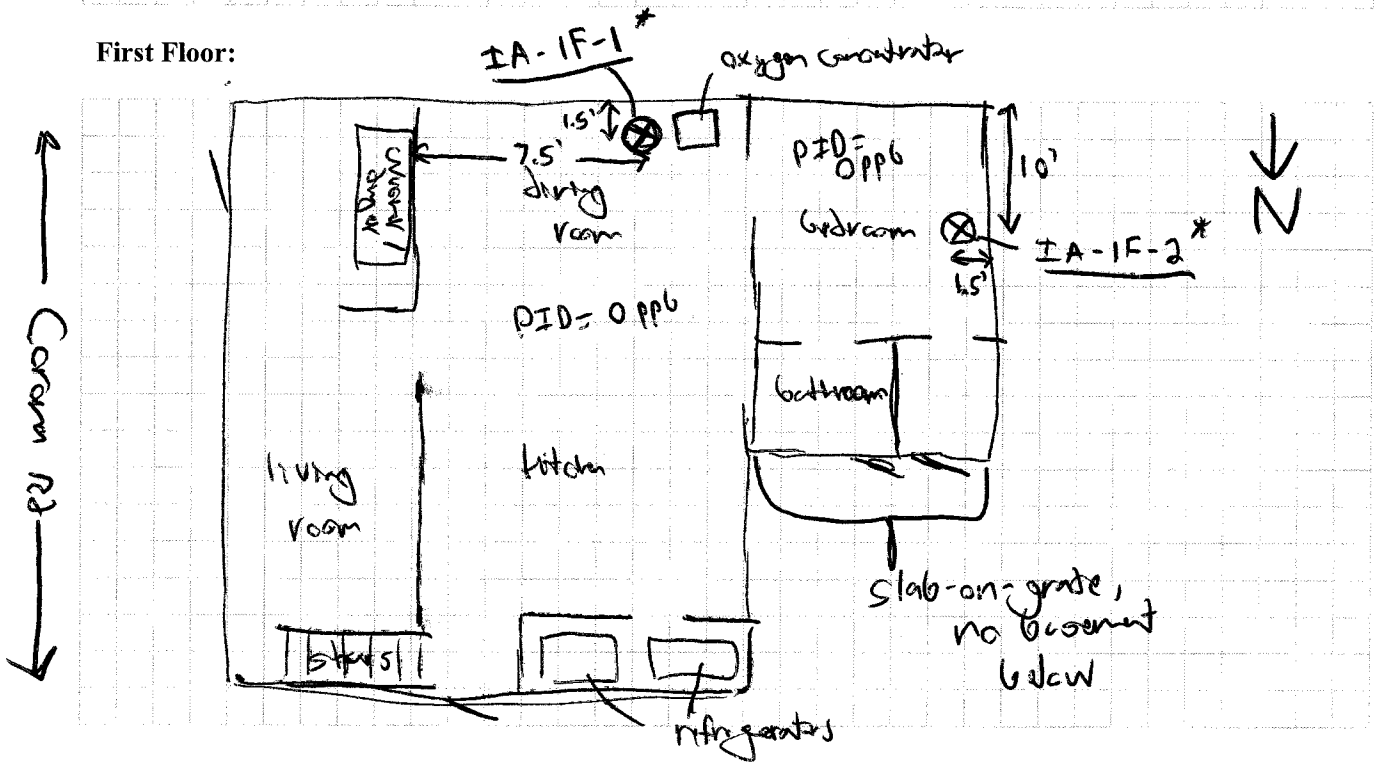
11. FLOOR PLANS

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:



First Floor:



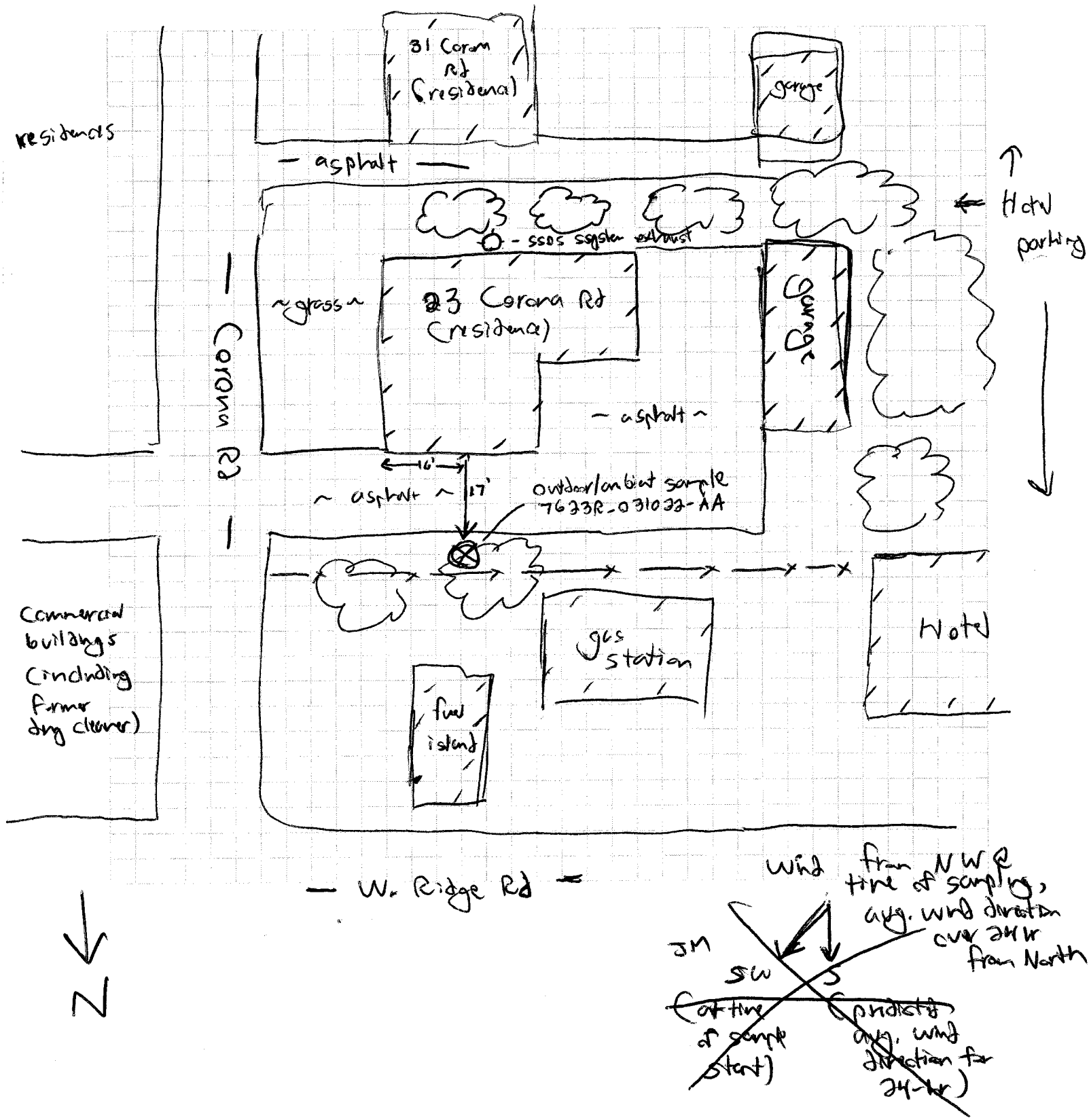
* 7623R-031022-IA-1F-1 1st floor sample - dining room indoor air

* 7623R-031022-IA-1F-2 1st floor sample - bedroom indoor air

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.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: Honeywell MiniRAE 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
Basement Bathroom	Propylene glycol, vegetable glycerin	1 gal	Used		0	Y
"	Starch & laundry detergents/chemicals		Used		0	Y
"	antifreeze	1 gal	Used		0	Y
Basement	Polishes / waxes		Used		0	Y
Basement	paint cans		Used		0	Y
Basement	drain opener		Used		0	Y
Basement	propane	400 g			0	Y
"	cleaners/solvents				0	Y
"	Bleach, Rain X		Used		0	Y
Kitchen	general household cleaners		Used		0	Y
Laundry area	bleach, detergents		Used			Y
Bathroom	general cosmetics		Used		0	Y
Basement	Butane cans 5.38 fl. oz		unknown	Polyurethane foam	0	Y
Basement	Car spray wax 18 fl oz		Used		0	Y
Basement	Scotchguard - 14 oz can		Used		0	Y
Basement	Carb+Choke cleaner		Used	Xylene, Methyl Acetate, Acetone, CO_2, Ethyl benzene	0	Y
Basement	Rustoleum Paint Can		Used		0	Y
Basement	starting fluid	11 oz	Used	~~Heptane~~, di ethyl ether, ~~carbon dioxide~~, CO_2, petroleum distillates	0	Y
Basement	WD-40	1 gal	unknown		0	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: _____

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
Basemt	Epoxy	16oz	unknown		0	Y
Basemt	Silicon spray lubricant		used		0	Y
Basemt	Adhesive remover	12oz	used		0	Y
Basemt	Sealant	24oz	used		0	Y
Basemt	Subfloor Cleaner		used	ethanol, fragrances	0	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.

Indoor Air (Canister) Sample Collection Field Form

Project # 452326 02000 Consultant Parsons

Project Name NYSDEC Former Erwin Dry Cleaners Collector KB JM

Sample ID 7623R-031022-IA-1F-1

Vacuum gauge "zero" ("Hg) yes

Start Date/Time 3/10/22 11:17 Start Pressure ("Hg) -30.27

End Date/Time 3/11/22 11:17 End Pressure ("Hg) -11.16

Canister ID 2253 End pressure > "zero"? Yes

Flow controller ID 01369 Sampling duration (intended) 24-hr

Associated ambient air sample ID 7623R-031022-AA Associated sub-slab vapor sample ID N/A

NA

Tubing type used LDPE Length of tubing _____ cm Tubing volume _____ cc

Volume purged _____ cc @ _____ min 1 to 3 volumes purged @ < 200cc/min? _____

Weather Conditions at Start of Sampling:

Air temperature (°F) 36°F Rainfall none Wind direction ~~SW~~ JM NW

Barometric pressure 30.18 in Relative humidity 64% Wind speed (mph) 6 mph

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Wind direction highly variable over past 24 hr, from N on average sampling ending ~~Coordinate~~ JM conditions 39°F, wind 6-10 mph SE, pressure 29.14 in

Indoor air temp (°F) 73° F Indoor relative humidity (%) 38%

Building Survey and Chemical Inventory Form Completed? Y Photograph IDs _____

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways

Refer to indoor air quality questionnaire

Comments: Kitchen sample. 38" off ground.

pre-sampling PID reading in dining room = 0 ppb; (3/10/22)

post-sampling reading = 0 ppb (3/11/22)

Indoor Air (Canister) Sample Collection Field Form

Project # 452326 02000 Consultant Parsons

Project Name NYSDEC Former Erwin Dry Cleaners Collector KB JM

Sample ID 7623R-031022-IA-BS Vacuum gauge "zero" ("Hg) yes

Start Date/Time 3/10/22 1136 Start Pressure ("Hg) -30.00

End Date/Time 3/11/22 1120 End Pressure ("Hg) -17.65

Canister ID 2128 End pressure > "zero"? yes

Flow controller ID 0317 Sampling duration (intended) 24-hr

Associated ambient air sample ID 7623R-031022-AA Associated sub-slab vapor sample ID ____

Tubing type used LDPE Length of tubing ____ cm Tubing volume ____ cc

NA Volume purged ____ cc @ ____ min 1 to 3 volumes purged @ < 200cc/min? ____

Weather Conditions at Start of Sampling:

Air temperature (°F) 36°F Rainfall none Wind direction ~~SW 6 mph~~ JM NW

Barometric pressure 30.18 in Relative humidity 64% Wind speed (mph) 6 mph

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Wind direction highly variable over past 24 hr.

Sampling ending conditions 39°F, wind 6-10 mph SE, pressure 29.99 in.

Indoor air temp (°F) 73°F Indoor relative humidity (%) 38%

Building Survey and Chemical Inventory Form Completed? Y Photograph IDs

____

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways

Refer to indoor air quality questionnaire

Comments: 44" off ground, 9' from south wall, 14.5' from east wall.

PID readings in breathing zone 0 ppb (pre-sampling, 3/10/22)

0 ppb (post-sampling, 3/11/22)

Ambient Air (Canister) Sample Collection Field Form

Project #	452326 02000	Consultant	Parsons
Project Name	NYSDEC Former Erwin Dry Cleaners	Collector	KB JM

Sample ID	7623R-031022-AA	Vacuum gauge "zero" ("Hg)	yes
Start Date/Time	3/10/22 1145	Start Pressure ("Hg)	-29.75
End Date/Time	02155 1122	End Pressure ("Hg)	-5.00
Canister ID	2813	End pressure > "zero"?	yes
Flow controller ID	02155	Sampling duration (intended)	24-hr

N/A

Tubing type used _____ ~~Length of tubing~~ _____ cm Tubing volume _____ cc

Volume purged _____ cc @ _____ min 1 to 3 volumes purged @ < 200cc/min? _____

Weather Conditions at Start of Sampling:

Air temperature (°F)	36°F	Rainfall	none	Wind direction	~~SW~~ SW NW
Barometric pressure	30.18"	Relative humidity	64%	Wind speed (mph)	6 mph

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Wind direction highly variable over past 24 hrs

Sampling ending conditions 39°F, wind 6-10 mph SE, pressure 29.97 in

Site Plan showing sample location, building(s) being sampled, building HVAC inlet, outdoor air sources, wind direction

Refer to indoor air quality questionnaire.

Sample placed

Comments: 38" above ground

outdoor air PID readings 0 ppb (pre-sampling, 3/10/22)

0 ppb (post-sampling, 3/11/22)

Indoor Air (Canister) Sample Collection Field Form

Project # 452326 02080 Consultant Parsons

Project Name NYSDEC Former Erwin Dry Cleaners Collector KB JM

Sample ID 7623R031022-IA-1F-2

Vacuum gauge "zero" ("Hg) yes

Start Date/Time 3/10/22 1130 Start Pressure ("Hg) -30.05

End Date/Time 3/11/22 1118 End Pressure ("Hg) -13.80

Canister ID 2956 End pressure > "zero"? yes

Flow controller ID ~~02856~~ 02053 Sampling duration (intended) 24-hr

Associated ambient air sample ID 7623R-031022-AA Associated sub-slab vapor sample ID N/A

Tubing type used LDPE Length of tubing _____ cm Tubing volume _____ cc

N/A

Volume purged _____ cc @ _____ min ~~1 to 3 volumes purged @ < 200cc/min?~~ _____

Weather Conditions at Start of Sampling:

Air temperature (°F) 36°F Rainfall none Wind direction ~~SW~~ JM NW

Barometric pressure 30.18" Relative humidity 64% Wind speed (mph) 6 mph

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Wind direction highly variable over past 24 hr, from N on average. Sampling ending conditions 39°F, Wind 6-10 mph SE, pressure 29.99 in

Indoor air temp (°F) 73°F Indoor relative humidity (%) 38%

Building Survey and Chemical Inventory Form Completed? Y Photograph IDs

_____

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways

Refer to indoor air quality questionnaire

Comments: bedroom 1st floor 38 inches off ground. 1.5 feet from window, 10' from S wall

PID readings in bedroom 0 ppb (pre-sampling, 3/10/22)

0 ppb (post-sampling, 3/11/22)

ATTACHMENT G
DATA USABILITY SUMMARY REPORT

Note: This Data Usability Summary Report includes data for other properties sampled between January and March 2022 in support of the Former Erwin Dry Cleaners Site, not just data from Property 3.

DELIVERING A BETTER WORLD

July 2022

DATA USABILITY SUMMARY REPORT

SOIL VAPOR SAMPLING
FORMER ERWIN CLEANERS SITE

SITE NUMBER 828154
WORK ASSIGNMENT # D009811-15

Prepared For:

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, NY 12233-7012

Prepared By:

PARSONS

301 Plainfield Road, Suite 350
Syracuse, New York 13212

APRIL 2022

TABLE OF CONTENTS

LIST OF ATTACHMENTS

SECTION 1 DATA USABILITY SUMMARY

Soil vapor samples were collected from the Former Erwin Cleaners site on January 25, 2022 through January 28, 2022 and March 11, 2022. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Project Work Plan,
- USEPA analytical methodologies, and
- USEPA Region II Standard Operating Procedures (SOPs) for organic data review.

The analytical laboratory for this project was Alpha Analytical. This laboratory is certified to perform project analyses through the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP).

1.1 Laboratory Data Packages

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical data packages by Parsons, was 13-38 days for the project samples. The data packages received from the laboratory were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation report which is summarized in Section 2.

1.2 Sampling and Chain-of-Custody

The samples were collected, shipped under a chain-of-custody (COC) record, and received at the laboratory within one day of sampling. All samples were received intact and in good condition at the laboratory.

1.3 Laboratory Analytical Methods

The air samples that were collected from the site were analyzed for volatile organic compounds (VOCs). Summaries of issues concerning this laboratory analysis are presented in Subsection 1.3.1. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) are discussed in Section 2. The laboratory data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,
"UJ" - estimated and not detected at the value given,
"J" - estimated at the value given,
"J+" - estimated biased high at the value given,
"J-" - estimated biased low at the value given,
"N" - presumptive evidence at the value given, and
"R" - unusable value.

The validated laboratory data were tabulated and are presented in Attachment A.

1.3.1 Volatile Organic Analysis

The project samples were analyzed for VOCs using the USEPA TO-15 and TO-15 SIM analytical method. Certain reported results for these samples were qualified as estimated based upon field duplicate precision. The reported VOC analytical results were 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

SECTION 2 DATA VALIDATION REPORT

2.1 Soil Vapor Samples

Data review has been completed for data packages containing soil vapor samples collected from the site. Analytical results from these samples were contained within sample delivery groups (SDGs) L2204146, L2204944, L2205001, and L2212903. All of these samples were shipped under a COC record and received intact by the analytical laboratory. The validated laboratory data are presented in Attachment A.

Data validation was performed for all samples in accordance with the most current editions of the USEPA Region II SOPs for organic data review. This data validation and usability report is presented by analysis type.

2.1.1 Volatiles

The following items were reviewed for compliancy in the volatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Laboratory control sample (LCS) recoveries
- Laboratory method blank contamination
- Summa canister cleaning certification
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of field duplicate precision as discussed below.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the results for isopropanol (0,707 ppbv and nondetect), tert-butyl alcohol (nondetect and 0.982 ppbv), methylene chloride (nondetect and 1.68 ppbv), and 1,2,4-trimethylbenzene (0.376 ppbv and nondetect) in sample 7653R-012722-SS and its field duplicate 7653R-012722-SS-D. Therefore, the results for these compounds were considered estimated with the positive results qualified “J” and the nondetected results qualified “UJ” for the affected parent sample and field duplicate.

Usability

All volatile soil vapor sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The volatile soil vapor data presented by the laboratory were 100% complete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachment A.

It was noted that the Summa canister vacuum pressure upon laboratory receipt for sample 7623R-031022-IA-BS was 17.65 in. Hg (>15 in.Hg). Therefore, this sample was analyzed at a dilution by the laboratory since there was not enough volume for the analysis.

ATTACHMENT A – VALIDATED LABORATORY DATA

		Location ID:	7622R-1F		7622R-AA		7622R-BS		7622R-SS		7623R-1F-1		7623R-1F-2	
		Sample ID:	7622R-012422-IA-1F		7622R-012422-AA		7622R-012422-IA-BS		7622R-012422-SS		7623R-031022-IA-1F-1		7623R-031022-IA-1F-2	
		Matrix:	AI		AO		AI		AS		AI		AI	
		Starting Depth:												
		Ending Depth:												
		Lab Sample ID:	L2204146-02		L2204146-04		L2204146-01		L2204146-03		L2212903-02		L2212903-03	
		Sample Date:	1/24/2022		1/24/2022		1/24/2022		1/24/2022		3/10/2022		3/10/2022	
		Sample Type Code:	N		N		N		N		N		N	
Analytical Method	CAS No.	COMPOUND	UNITS :											
TO15	71-55-6	1,1,1-Trichloroethane (TCA)	ug/m3						1.09	U				
TO15	79-34-5	1,1,2,2-Tetrachloroethane	ug/m3	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U
TO15	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U
TO15	79-00-5	1,1,2-Trichloroethane	ug/m3	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U
TO15	75-34-3	1,1-Dichloroethane	ug/m3	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U
TO15	75-35-4	1,1-Dichloroethene	ug/m3							0.793	U				
TO15	120-82-1	1,2,4-Trichlorobenzene	ug/m3	1.48	U	1.48	U	1.48	U	1.48	U	1.48	U	1.48	U
TO15	95-63-6	1,2,4-Trimethylbenzene	ug/m3	0.983	U	0.983	U	0.983	U	3.45		0.983	U	0.983	U
TO15	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/m3	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U
TO15	95-50-1	1,2-Dichlorobenzene	ug/m3	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
TO15	107-06-2	1,2-Dichloroethane	ug/m3	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U
TO15	78-87-5	1,2-Dichloropropane	ug/m3	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U
TO15	76-14-2	1,2-Dichlorotetrafluoroethane	ug/m3	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U
TO15	108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	ug/m3	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U
TO15	106-99-0	1,3-Butadiene	ug/m3	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U
TO15	541-73-1	1,3-Dichlorobenzene	ug/m3	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
TO15	106-46-7	1,4-Dichlorobenzene	ug/m3	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
TO15	123-91-1	1,4-Dioxane (P-Dioxane)	ug/m3	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U
TO15	540-84-1	2,2,4-Trimethylpentane	ug/m3	0.934	U	0.934	U	0.934	U	1.62		0.934	U	0.934	U
TO15	591-78-6	2-Hexanone	ug/m3	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
TO15	622-96-8	4-Ethyltoluene	ug/m3	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U
TO15	67-64-1	Acetone	ug/m3	32.8		9.86		22.2		22.4		69.4		51.1	
TO15	107-05-1	Allyl Chloride (3-Chloropropene)	ug/m3	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U
TO15	71-43-2	Benzene	ug/m3	0.639	U	0.639	U	0.639	U	1.01		0.664		0.716	
TO15	100-44-7	Benzyl Chloride	ug/m3	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U
TO15	75-27-4	Bromodichloromethane	ug/m3	1.34	U	1.34	U	1.34	U	1.34	U	1.34	U	1.34	U
TO15	75-25-2	Bromoform	ug/m3	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U
TO15	74-83-9	Bromomethane	ug/m3	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U
TO15	75-15-0	Carbon Disulfide	ug/m3	0.623	U	0.623	U	0.623	U	0.623	U	0.623	U	0.623	U
TO15	56-23-5	Carbon Tetrachloride	ug/m3							1.26	U				
TO15	108-90-7	Chlorobenzene	ug/m3	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U
TO15	75-00-3	Chloroethane	ug/m3	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U
TO15	67-66-3	Chloroform	ug/m3	0.977		0.977	U	0.977	U	0.977	U	0.977	U	0.977	U
TO15	74-87-3	Chloromethane	ug/m3	1.23		1.37		1.1		0.793		1.61		1.79	
TO15	156-59-2	Cis-1,2-Dichloroethylene	ug/m3							1.01					
TO15	10061-01-5	Cis-1,3-Dichloropropene	ug/m3	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U
TO15	110-82-7	Cyclohexane	ug/m3	0.688	U	0.688	U	0.688	U	0.812		0.688	U	0.688	U
TO15	124-48-1	Dibromochloromethane	ug/m3	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
TO15	75-71-8	Dichlorodifluoromethane	ug/m3	2.75		2.58		2.73		2.48		3.16		3.31	
TO15	64-17-5	Ethanol	ug/m3	283		9.42	U	140		198		82.2		85	
TO15	141-78-6	Ethyl Acetate	ug/m3	3.58		4.18		2.81		2.17		2.64		1.95	
TO15	100-41-4	Ethylbenzene	ug/m3	0.869	U	0.869	U	0.869	U	1.82		0.869	U	0.869	U
TO15	87-68-3	Hexachlorobutadiene	ug/m3	2.13	U	2.13	U	2.13	U	2.13	U	2.13	U	2.13	U
TO15	67-63-0	Isopropanol	ug/m3	6.59		1.23	U	4.3		5.6		6		5.36	
TO15	179601-23-1	m,p-Xylene	ug/m3	1.95		1.74	U	1.74	U	6.52		1.74	U	1.74	U
TO15	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/m3	1.53		1.47	U	1.84		1.97		1.97		1.78	
TO15	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/m3	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U

		Location ID:	7622R-1F		7622R-AA		7622R-BS		7622R-SS		7623R-1F-1		7623R-1F-2	
		Sample ID:	7622R-012422-IA-1F		7622R-012422-AA		7622R-012422-IA-BS		7622R-012422-SS		7623R-031022-IA-1F-1		7623R-031022-IA-1F-2	
		Matrix:	AI		AO		AI		AS		AI		AI	
		Starting Depth:												
		Ending Depth:												
		Lab Sample ID:	L2204146-02		L2204146-04		L2204146-01		L2204146-03		L2212903-02		L2212903-03	
		Sample Date:	1/24/2022		1/24/2022		1/24/2022		1/24/2022		3/10/2022		3/10/2022	
		Sample Type Code:	N		N		N		N		N		N	
Analytical Method	CAS No.	COMPOUND	UNITS :											
TO15	75-09-2	Methylene Chloride	ug/m3	1.74	U	1.74	U	1.74	U	1.79		1.74	U	1.74	U
TO15	142-82-5	N-Heptane	ug/m3	1.39		0.82	U	0.943		1.73		1.35		1.2	
TO15	110-54-3	N-Hexane	ug/m3	0.705	U	0.705	U	0.705	U	1.49		0.705	U	0.705	U
TO15	95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/m3	0.869	U	0.869	U	0.869	U	2.93		0.869	U	0.869	U
TO15	100-42-5	Styrene	ug/m3	0.852	U	0.852	U	0.852	U	0.852	U	0.852	U	0.852	U
TO15	75-65-0	Tert-Butyl Alcohol	ug/m3	1.52	U	1.52	U	1.52	U	1.52	U	1.52	U	1.52	U
TO15	1634-04-4	Tert-Butyl Methyl Ether	ug/m3	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U
TO15	127-18-4	Tetrachloroethylene (PCE)	ug/m3							3.82					
TO15	109-99-9	Tetrahydrofuran	ug/m3	1.47	U	1.47	U	1.47	U	1.47	U	1.96		1.47	U
TO15	108-88-3	Toluene	ug/m3	1.14		0.754	U	0.938		6.37		2.73		2.59	
TO15	156-60-5	Trans-1,2-Dichloroethene	ug/m3	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U
TO15	10061-02-6	Trans-1,3-Dichloropropene	ug/m3	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U
TO15	79-01-6	Trichloroethylene (TCE)	ug/m3							1.07	U				
TO15	75-69-4	Trichlorofluoromethane	ug/m3	1.24		1.25		1.26		1.23		4.67		6.07	
TO15	593-60-2	Vinyl Bromide	ug/m3	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U
TO15	75-01-4	Vinyl Chloride	ug/m3							0.511	U				
TO15 SIM	71-55-6	1,1,1-Trichloroethane (TCA)	ug/m3	0.109	U	0.109	U	0.109	U			0.262		0.295	
TO15 SIM	75-35-4	1,1-Dichloroethene	ug/m3	0.079	U	0.079	U	0.079	U			0.079	U	0.079	U
TO15 SIM	56-23-5	Carbon Tetrachloride	ug/m3	0.478		0.503		0.503				0.547		0.585	
TO15 SIM	156-59-2	Cis-1,2-Dichloroethylene	ug/m3	0.912		0.079	U	1.38				1.84		2.09	
TO15 SIM	127-18-4	Tetrachloroethylene (PCE)	ug/m3	1.63		0.136	U	2.29				4.71		5.17	
TO15 SIM	79-01-6	Trichloroethylene (TCE)	ug/m3	0.349		0.107	U	0.441				0.785		0.903	
TO15 SIM	75-01-4	Vinyl Chloride	ug/m3	0.133		0.051	U	0.174				0.225		0.276	

		Location ID:	7623R-AA		7623R-BS		7653R-1F		7653R-AA		7653R-BS		7653R-SS	
		Sample ID:	7623R-031022-AA		7623R-031022-IA-BS		7653R-012722-IA-1F		7653R-012722-AA		7653R-012722-IA-BS		7653R-012722-SS	
		Matrix:	AO		AI		AI		AO		AI		AS	
		Starting Depth:												
		Ending Depth:												
		Lab Sample ID:	L2212903-04		L2212903-01		L2204944-02		L2204944-04		L2204944-01		L2204944-03	
		Sample Date:	3/10/2022		3/10/2022		1/27/2022		1/27/2022		1/27/2022		1/27/2022	
		Sample Type Code:	N		N		N		N		N		N	
Analytical Method	CAS No.	COMPOUND	UNITS:											
TO15	71-55-6	1,1,1-Trichloroethane (TCA)	ug/m3										1.09	U
TO15	79-34-5	1,1,2,2-Tetrachloroethane	ug/m3	1.37	U	2.31	U	1.37	U	1.37	U	1.37	U	1.37	U
TO15	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	1.53	U	2.58	U	1.53	U	1.53	U	1.53	U	1.53	U
TO15	79-00-5	1,1,2-Trichloroethane	ug/m3	1.09	U	1.83	U	1.09	U	1.09	U	1.09	U	1.09	U
TO15	75-34-3	1,1-Dichloroethane	ug/m3	0.809	U	1.36	U	0.809	U	0.809	U	0.809	U	0.809	U
TO15	75-35-4	1,1-Dichloroethene	ug/m3											0.793	U
TO15	120-82-1	1,2,4-Trichlorobenzene	ug/m3	1.48	U	2.49	U	1.48	U	1.48	U	1.48	U	1.48	U
TO15	95-63-6	1,2,4-Trimethylbenzene	ug/m3	0.983	U	1.65	U	3.85		0.983	U	5.01		1.85	J
TO15	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/m3	1.54	U	2.58	U	1.54	U	1.54	U	1.54	U	1.54	U
TO15	95-50-1	1,2-Dichlorobenzene	ug/m3	1.2	U	2.02	U	1.2	U	1.2	U	1.2	U	1.2	U
TO15	107-06-2	1,2-Dichloroethane	ug/m3	0.809	U	1.36	U	0.809	U	0.809	U	0.809	U	0.809	U
TO15	78-87-5	1,2-Dichloropropane	ug/m3	0.924	U	1.55	U	0.924	U	0.924	U	0.924	U	0.924	U
TO15	76-14-2	1,2-Dichlorotetrafluoroethane	ug/m3	1.4	U	2.35	U	1.4	U	1.4	U	1.4	U	1.4	U
TO15	108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	ug/m3	0.983	U	1.65	U	0.983	U	0.983	U	1.15		0.983	U
TO15	106-99-0	1,3-Butadiene	ug/m3	0.442	U	0.743	U	0.442	U	0.442	U	0.442	U	0.442	U
TO15	541-73-1	1,3-Dichlorobenzene	ug/m3	1.2	U	2.02	U	1.2	U	1.2	U	1.2	U	1.2	U
TO15	106-46-7	1,4-Dichlorobenzene	ug/m3	1.2	U	2.02	U	1.2	U	1.2	U	1.2	U	1.2	U
TO15	123-91-1	1,4-Dioxane (P-Dioxane)	ug/m3	0.721	U	1.21	U	0.721	U	0.721	U	0.721	U	0.721	U
TO15	540-84-1	2,2,4-Trimethylpentane	ug/m3	0.934	U	1.57	U	1.4		0.934	U	1.73		1.54	
TO15	591-78-6	2-Hexanone	ug/m3	0.82	U	1.38	U	0.82	U	0.82	U	0.82	U	1.35	
TO15	622-96-8	4-Ethyltoluene	ug/m3	0.983	U	1.65	U	0.983	U	0.983	U	1.02		0.983	U
TO15	67-64-1	Acetone	ug/m3	7.53		59.4		26.4		3.59		2.38	U	93.6	
TO15	107-05-1	Allyl Chloride (3-Chloropropene)	ug/m3	0.626	U	1.05	U	0.626	U	0.626	U	0.626	U	0.626	U
TO15	71-43-2	Benzene	ug/m3	0.709		1.07	U	3.48		0.639	U	4.34		3.45	
TO15	100-44-7	Benzyl Chloride	ug/m3	1.04	U	1.74	U	1.04	U	1.04	U	1.04	U	1.04	U
TO15	75-27-4	Bromodichloromethane	ug/m3	1.34	U	2.25	U	1.34	U	1.34	U	1.34	U	1.34	U
TO15	75-25-2	Bromoform	ug/m3	2.07	U	3.47	U	2.07	U	2.07	U	2.07	U	2.07	U
TO15	74-83-9	Bromomethane	ug/m3	0.777	U	1.3	U	0.777	U	0.777	U	0.777	U	0.777	U
TO15	75-15-0	Carbon Disulfide	ug/m3	0.623	U	1.05	U	0.623	U	0.623	U	0.623	U	0.819	
TO15	56-23-5	Carbon Tetrachloride	ug/m3											1.26	U
TO15	108-90-7	Chlorobenzene	ug/m3	0.921	U	1.55	U	0.921	U	0.921	U	0.921	U	0.921	U
TO15	75-00-3	Chloroethane	ug/m3	0.528	U	0.887	U	0.528	U	0.528	U	0.528	U	0.528	U
TO15	67-66-3	Chloroform	ug/m3	0.977	U	1.64	U	1.31		0.977	U	0.977	U	0.977	U
TO15	74-87-3	Chloromethane	ug/m3	1.34		1.6		1.19		1.18		1.06		1.11	
TO15	156-59-2	Cis-1,2-Dichloroethylene	ug/m3											1.26	
TO15	10061-01-5	Cis-1,3-Dichloropropene	ug/m3	0.908	U	1.53	U	0.908	U	0.908	U	0.908	U	0.908	U
TO15	110-82-7	Cyclohexane	ug/m3	0.688	U	1.16	U	1.78		0.688	U	2.08		1.88	
TO15	124-48-1	Dibromochloromethane	ug/m3	1.7	U	2.86	U	1.7	U	1.7	U	1.7	U	1.7	U
TO15	75-71-8	Dichlorodifluoromethane	ug/m3	2.62		4		2.8		2.36		2.87		2.83	
TO15	64-17-5	Ethanol	ug/m3	10.5		66.9		165		9.42	U	104		33.2	
TO15	141-78-6	Ethyl Acetate	ug/m3	1.8	U	4.5		1.8	U	1.8	U	1.8	U	1.8	U
TO15	100-41-4	Ethylbenzene	ug/m3	0.869	U	1.46	U	3.66		0.869	U	4.6		1.62	
TO15	87-68-3	Hexachlorobutadiene	ug/m3	2.13	U	3.58	U	2.13	U	2.13	U	2.13	U	2.13	U
TO15	67-63-0	Isopropanol	ug/m3	1.27		8.6		6.69		1.23	U	3.61		1.74	J
TO15	179601-23-1	m,p-Xylene	ug/m3	1.74	U	5		13.5		1.74	U	17.1		5.08	
TO15	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/m3	1.47	U	3.54		1.47	U	1.47	U	1.47	U	11.3	
TO15	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/m3	2.05	U	3.44	U	2.05	U	2.05	U	2.05	U	4.51	

		Location ID:	7623R-AA		7623R-BS		7653R-1F		7653R-AA		7653R-BS		7653R-SS	
		Sample ID:	7623R-031022-AA		7623R-031022-IA-BS		7653R-012722-IA-1F		7653R-012722-AA		7653R-012722-IA-BS		7653R-012722-SS	
		Matrix:	AO		AI		AI		AO		AI		AS	
		Starting Depth:												
		Ending Depth:												
		Lab Sample ID:	L2212903-04		L2212903-01		L2204944-02		L2204944-04		L2204944-01		L2204944-03	
		Sample Date:	3/10/2022		3/10/2022		1/27/2022		1/27/2022		1/27/2022		1/27/2022	
		Sample Type Code:	N		N		N		N		N		N	
Analytical Method	CAS No.	COMPOUND	UNITS :											
TO15	75-09-2	Methylene Chloride	ug/m3	1.74	U	2.91	U	1.74	U	1.74	U	1.74	U	1.74	UJ
TO15	142-82-5	N-Heptane	ug/m3	0.82	U	1.59		8.24		0.82	U	4.88		4.43	
TO15	110-54-3	N-Hexane	ug/m3	0.705	U	1.18	U	4.62		0.705	U	5.92		5.64	
TO15	95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/m3	0.869	U	1.46	U	4.56		0.869	U	5.78		1.74	
TO15	100-42-5	Styrene	ug/m3	0.852	U	1.43	U	0.852	U	0.852	U	0.852	U	0.852	U
TO15	75-65-0	Tert-Butyl Alcohol	ug/m3	1.52	U	2.54	U	1.52	U	1.52	U	1.52	U	1.52	UJ
TO15	1634-04-4	Tert-Butyl Methyl Ether	ug/m3	0.721	U	1.21	U	0.721	U	0.721	U	0.721	U	0.721	U
TO15	127-18-4	Tetrachloroethylene (PCE)	ug/m3											1.36	U
TO15	109-99-9	Tetrahydrofuran	ug/m3	1.47	U	4.25		1.47	U	1.47	U	1.47	U	1.47	U
TO15	108-88-3	Toluene	ug/m3	1.13		6.07		22.2		0.754	U	27.8		14.9	
TO15	156-60-5	Trans-1,2-Dichloroethene	ug/m3	0.793	U	1.33	U	0.793	U	0.793	U	0.793	U	0.793	U
TO15	10061-02-6	Trans-1,3-Dichloropropene	ug/m3	0.908	U	1.53	U	0.908	U	0.908	U	0.908	U	0.908	U
TO15	79-01-6	Trichloroethylene (TCE)	ug/m3											1.07	U
TO15	75-69-4	Trichlorofluoromethane	ug/m3	1.28		3.31		1.3		1.19		1.2		1.26	
TO15	593-60-2	Vinyl Bromide	ug/m3	0.874	U	1.47	U	0.874	U	0.874	U	0.874	U	0.874	U
TO15	75-01-4	Vinyl Chloride	ug/m3											0.511	U
TO15 SIM	71-55-6	1,1,1-Trichloroethane (TCA)	ug/m3	0.109	U	0.348		0.109	U	0.109	U	0.109	U		
TO15 SIM	75-35-4	1,1-Dichloroethene	ug/m3	0.079	U	0.133	U	0.079	U	0.079	U	0.079	U		
TO15 SIM	56-23-5	Carbon Tetrachloride	ug/m3	0.522		0.538		0.535		0.447		0.465			
TO15 SIM	156-59-2	Cis-1,2-Dichloroethylene	ug/m3	0.079	U	2.14		1.22		0.079	U	1.76			
TO15 SIM	127-18-4	Tetrachloroethylene (PCE)	ug/m3	0.142		5.4		1.53		0.136	U	2.12			
TO15 SIM	79-01-6	Trichloroethylene (TCE)	ug/m3	0.107	U	0.93		0.339		0.107	U	0.5			
TO15 SIM	75-01-4	Vinyl Chloride	ug/m3	0.051	U	0.266		0.161		0.051	U	0.22			

				Duplicate of 7653R-012722-SS											
			Location ID:	7653R-SS		9039S-1F		9039S-AA		9039S-BS		9039S-SS			
			Sample ID:	7653R-012722-SS-D		9039S-012622-IA-1F		9039S-012622-AA		9039S-012622-IA-BS		9039S-012722-SS			
			Matrix:	AS		AI		AO		AI		AS			
			Starting Depth:												
			Ending Depth:												
			Lab Sample ID:	L2204944-05		L2205001-02		L2205001-04		L2205001-01		L2205001-03			
			Sample Date:	1/27/2022		1/24/2022		1/24/2022		1/24/2022		1/24/2022			
			Sample Type Code:	FD		N		N		N		N			
Analytical Method	CAS No.	COMPOUND	UNITS:												
TO15	71-55-6	1,1,1-Trichloroethane (TCA)	ug/m3	1.09	U							1.09	U		
TO15	79-34-5	1,1,2,2-Tetrachloroethane	ug/m3	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U		
TO15	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U		
TO15	79-00-5	1,1,2-Trichloroethane	ug/m3	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U		
TO15	75-34-3	1,1-Dichloroethane	ug/m3	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U		
TO15	75-35-4	1,1-Dichloroethene	ug/m3	0.793	U							0.793	U		
TO15	120-82-1	1,2,4-Trichlorobenzene	ug/m3	1.48	U	1.48	U	1.48	U	1.48	U	1.48	U		
TO15	95-63-6	1,2,4-Trimethylbenzene	ug/m3	0.983	UJ	0.983	U	0.983	U	0.983	U	0.983	U		
TO15	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/m3	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U		
TO15	95-50-1	1,2-Dichlorobenzene	ug/m3	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U		
TO15	107-06-2	1,2-Dichloroethane	ug/m3	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U		
TO15	78-87-5	1,2-Dichloropropane	ug/m3	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U		
TO15	76-14-2	1,2-Dichlorotetrafluoroethane	ug/m3	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U		
TO15	108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	ug/m3	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U		
TO15	106-99-0	1,3-Butadiene	ug/m3	0.442	U	5.02		0.442	U	0.442	U	0.442	U		
TO15	541-73-1	1,3-Dichlorobenzene	ug/m3	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U		
TO15	106-46-7	1,4-Dichlorobenzene	ug/m3	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U		
TO15	123-91-1	1,4-Dioxane (P-Dioxane)	ug/m3	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U		
TO15	540-84-1	2,2,4-Trimethylpentane	ug/m3	1.1		0.934	U	0.934	U	0.934	U	0.934	U		
TO15	591-78-6	2-Hexanone	ug/m3	1.58		0.82	U	0.82	U	0.82	U	0.82	U		
TO15	622-96-8	4-Ethyltoluene	ug/m3	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U		
TO15	67-64-1	Acetone	ug/m3	65.6		28		13.2		9.29		22.6			
TO15	107-05-1	Allyl Chloride (3-Chloropropene)	ug/m3	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U		
TO15	71-43-2	Benzene	ug/m3	2.58		10.4		0.738		1.9		1.24			
TO15	100-44-7	Benzyl Chloride	ug/m3	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U		
TO15	75-27-4	Bromodichloromethane	ug/m3	1.34	U	1.34	U	1.34	U	1.34	U	1.34	U		
TO15	75-25-2	Bromoform	ug/m3	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U		
TO15	74-83-9	Bromomethane	ug/m3	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U		
TO15	75-15-0	Carbon Disulfide	ug/m3	0.623	U	0.623	U	0.623	U	0.623	U	0.623	U		
TO15	56-23-5	Carbon Tetrachloride	ug/m3	1.26	U							1.26	U		
TO15	108-90-7	Chlorobenzene	ug/m3	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U		
TO15	75-00-3	Chloroethane	ug/m3	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U		
TO15	67-66-3	Chloroform	ug/m3	0.977	U	0.977	U	0.977	U	0.977	U	0.977	U		
TO15	74-87-3	Chloromethane	ug/m3	1.09		1.44		1.15		1.14		1.15			
TO15	156-59-2	Cis-1,2-Dichloroethylene	ug/m3	0.924								0.793	U		
TO15	10061-01-5	Cis-1,3-Dichloropropene	ug/m3	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U		
TO15	110-82-7	Cyclohexane	ug/m3	1.34		0.688	U	0.688	U	0.688	U	0.688	U		
TO15	124-48-1	Dibromochloromethane	ug/m3	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U		
TO15	75-71-8	Dichlorodifluoromethane	ug/m3	2.54		2.34		2.31		2.22		2.31			
TO15	64-17-5	Ethanol	ug/m3	24.9		10900		26.4		708		546			
TO15	141-78-6	Ethyl Acetate	ug/m3	1.8	U	6.13		2.05		2.26		1.8	U		
TO15	100-41-4	Ethylbenzene	ug/m3	1.21		0.869	U	0.869	U	0.869	U	0.869	U		
TO15	87-68-3	Hexachlorobutadiene	ug/m3	2.13	U	2.13	U	2.13	U	2.13	U	2.13	U		
TO15	67-63-0	Isopropanol	ug/m3	1.23	UJ	1.51		1.37		1.36		9.09			
TO15	179601-23-1	m,p-Xylene	ug/m3	3.88		1.74	U	1.74	U	1.74	U	1.74	U		
TO15	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/m3	11.1		1.47		1.47	U	1.47	U	1.47	U		
TO15	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/m3	3.31		2.05	U	2.05	U	2.05	U	2.05	U		

				Duplicate of 7653R-012722-SS									
			Location ID:	7653R-SS		9039S-1F		9039S-AA		9039S-BS		9039S-SS	
			Sample ID:	7653R-012722-SS-D		9039S-012622-IA-1F		9039S-012622-AA		9039S-012622-IA-BS		9039S-012722-SS	
			Matrix:	AS		AI		AO		AI		AS	
			Starting Depth:										
			Ending Depth:										
			Lab Sample ID:	L2204944-05		L2205001-02		L2205001-04		L2205001-01		L2205001-03	
			Sample Date:	1/27/2022		1/24/2022		1/24/2022		1/24/2022		1/24/2022	
			Sample Type Code:	FD		N		N		N		N	
Analytical Method	CAS No.	COMPOUND	UNITS:										
TO15	75-09-2	Methylene Chloride	ug/m3	5.84	J	1.74	U	1.74	U	1.74	U	1.74	U
TO15	142-82-5	N-Heptane	ug/m3	3.19		0.82	U	0.82	U	0.82	U	0.82	U
TO15	110-54-3	N-Hexane	ug/m3	4.05		0.73		0.705	U	0.705	U	0.705	U
TO15	95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/m3	1.26		0.869	U	0.869	U	0.869	U	0.869	U
TO15	100-42-5	Styrene	ug/m3	0.852	U	0.852	U	0.852	U	0.852	U	0.852	U
TO15	75-65-0	Tert-Butyl Alcohol	ug/m3	2.98	J	1.52	U	1.52	U	1.52	U	1.52	U
TO15	1634-04-4	Tert-Butyl Methyl Ether	ug/m3	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U
TO15	127-18-4	Tetrachloroethylene (PCE)	ug/m3	1.55								1.36	U
TO15	109-99-9	Tetrahydrofuran	ug/m3	1.47	U	1.47	U	1.47	U	1.47	U	1.47	U
TO15	108-88-3	Toluene	ug/m3	10.9		1.79		0.893		1.06		0.754	U
TO15	156-60-5	Trans-1,2-Dichloroethene	ug/m3	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U
TO15	10061-02-6	Trans-1,3-Dichloropropene	ug/m3	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U
TO15	79-01-6	Trichloroethylene (TCE)	ug/m3	1.07	U							1.07	U
TO15	75-69-4	Trichlorofluoromethane	ug/m3	1.14		1.17		1.23		1.14		1.17	
TO15	593-60-2	Vinyl Bromide	ug/m3	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U
TO15	75-01-4	Vinyl Chloride	ug/m3	0.511	U							0.511	U
TO15 SIM	71-55-6	1,1,1-Trichloroethane (TCA)	ug/m3			0.109	U	0.109	U	0.109	U		
TO15 SIM	75-35-4	1,1-Dichloroethene	ug/m3			0.079	U	0.079	U	0.079	U		
TO15 SIM	56-23-5	Carbon Tetrachloride	ug/m3			0.44		0.44		0.415			
TO15 SIM	156-59-2	Cis-1,2-Dichloroethylene	ug/m3			0.079	U	0.079	U	0.079	U		
TO15 SIM	127-18-4	Tetrachloroethylene (PCE)	ug/m3			0.136	U	0.136	U	0.149			
TO15 SIM	79-01-6	Trichloroethylene (TCE)	ug/m3			0.107	U	0.107	U	0.107	U		
TO15 SIM	75-01-4	Vinyl Chloride	ug/m3			0.051	U	0.051	U	0.051	U		

ATTACHMENT H
LAB REPORT – MARCH 2022 ANALYTICAL RESULTS

DELIVERING A BETTER WORLD

July 2022

ANALYTICAL REPORT

Lab Number:	L2212903
Client:	Parsons Engineering of New York, Inc. 301 Plainfield Road Suite 350 Syracuse, NY 13212
ATTN:	Heather Budzich
Phone:	(315) 546-6239
Project Name:	NYSDEC FORMER ERWIN DRYCLEANER
Project Number:	452326.02
Report Date:	03/24/22

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

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

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02

Lab Number: L2212903
Report Date: 03/24/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2212903-01	7623R-031022-IA-BS	AIR	1445 WEST RIDGE ROAD; GREECE, NY MONROE COUNTY	03/11/22 11:20	03/11/22
L2212903-02	7623R-031022-IA-1F-1	AIR	1445 WEST RIDGE ROAD; GREECE, NY MONROE COUNTY	03/11/22 11:17	03/11/22
L2212903-03	7623R-031022-IA-1F-2	AIR	1445 WEST RIDGE ROAD; GREECE, NY MONROE COUNTY	03/11/22 11:18	03/11/22
L2212903-04	7623R-031022-AA	AIR	1445 WEST RIDGE ROAD; GREECE, NY MONROE COUNTY	03/11/22 11:22	03/11/22

Project Name:	NYSDEC FORMER ERWIN DRYCLEANER	**Lab Number:**	L2212903
Project Number:	452326.02	**Report Date:**	03/24/22

Case Narrative

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

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

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

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

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

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

Project Name:	NYSDEC FORMER ERWIN DRYCLEANER	**Lab Number:**	L2212903
Project Number:	452326.02	**Report Date:**	03/24/22

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 10, 2022. The canister certification results are provided as an addendum.

L2212903-01D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 03/24/22

AIR

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02
Lab Number: L2212903
Report Date: 03/24/22

SAMPLE RESULTS

Lab ID: L2212903-01 D
Client ID: 7623R-031022-IA-BS
Sample Location: 1445 WEST RIDGE ROAD; GREECE, NY
MONROE COUNTY
Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/23/22 19:57
Analyst: RY

Date Collected: 03/11/22 11:20
Date Received: 03/11/22
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.809	0.336	--	4.00	1.66	--		1.678
Chloromethane	0.775	0.336	--	1.60	0.694	--		1.678
Freon-114	ND	0.336	--	ND	2.35	--		1.678
1,3-Butadiene	ND	0.336	--	ND	0.743	--		1.678
Bromomethane	ND	0.336	--	ND	1.30	--		1.678
Chloroethane	ND	0.336	--	ND	0.887	--		1.678
Ethanol	35.5	8.39	--	66.9	15.8	--		1.678
Vinyl bromide	ND	0.336	--	ND	1.47	--		1.678
Acetone	25.0	1.68	--	59.4	3.99	--		1.678
Trichlorofluoromethane	0.589	0.336	--	3.31	1.89	--		1.678
Isopropanol	3.50	0.839	--	8.60	2.06	--		1.678
Tertiary butyl Alcohol	ND	0.839	--	ND	2.54	--		1.678
Methylene chloride	ND	0.839	--	ND	2.91	--		1.678
3-Chloropropene	ND	0.336	--	ND	1.05	--		1.678
Carbon disulfide	ND	0.336	--	ND	1.05	--		1.678
Freon-113	ND	0.336	--	ND	2.58	--		1.678
trans-1,2-Dichloroethene	ND	0.336	--	ND	1.33	--		1.678
1,1-Dichloroethane	ND	0.336	--	ND	1.36	--		1.678
Methyl tert butyl ether	ND	0.336	--	ND	1.21	--		1.678
2-Butanone	1.20	0.839	--	3.54	2.47	--		1.678
Ethyl Acetate	1.25	0.839	--	4.50	3.02	--		1.678
Chloroform	ND	0.336	--	ND	1.64	--		1.678
Tetrahydrofuran	1.44	0.839	--	4.25	2.47	--		1.678

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02
Lab Number: L2212903
Report Date: 03/24/22

SAMPLE RESULTS

Lab ID: L2212903-01 D
Client ID: 7623R-031022-IA-BS
Sample Location: 1445 WEST RIDGE ROAD; GREECE, NY
MONROE COUNTY
Sample Depth:

Date Collected: 03/11/22 11:20
Date Received: 03/11/22
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 - Mansfield Lab								
1,2-Dichloroethane	ND	0.336	--	ND	1.36	--		1.678
n-Hexane	ND	0.336	--	ND	1.18	--		1.678
Benzene	ND	0.336	--	ND	1.07	--		1.678
Cyclohexane	ND	0.336	--	ND	1.16	--		1.678
1,2-Dichloropropane	ND	0.336	--	ND	1.55	--		1.678
Bromodichloromethane	ND	0.336	--	ND	2.25	--		1.678
1,4-Dioxane	ND	0.336	--	ND	1.21	--		1.678
2,2,4-Trimethylpentane	ND	0.336	--	ND	1.57	--		1.678
Heptane	0.388	0.336	--	1.59	1.38	--		1.678
cis-1,3-Dichloropropene	ND	0.336	--	ND	1.53	--		1.678
4-Methyl-2-pentanone	ND	0.839	--	ND	3.44	--		1.678
trans-1,3-Dichloropropene	ND	0.336	--	ND	1.53	--		1.678
1,1,2-Trichloroethane	ND	0.336	--	ND	1.83	--		1.678
Toluene	1.61	0.336	--	6.07	1.27	--		1.678
2-Hexanone	ND	0.336	--	ND	1.38	--		1.678
Dibromochloromethane	ND	0.336	--	ND	2.86	--		1.678
1,2-Dibromoethane	ND	0.336	--	ND	2.58	--		1.678
Chlorobenzene	ND	0.336	--	ND	1.55	--		1.678
Ethylbenzene	ND	0.336	--	ND	1.46	--		1.678
p/m-Xylene	1.15	0.671	--	5.00	2.91	--		1.678
Bromoform	ND	0.336	--	ND	3.47	--		1.678
Styrene	ND	0.336	--	ND	1.43	--		1.678
1,1,2,2-Tetrachloroethane	ND	0.336	--	ND	2.31	--		1.678
o-Xylene	ND	0.336	--	ND	1.46	--		1.678
4-Ethyltoluene	ND	0.336	--	ND	1.65	--		1.678
1,3,5-Trimethylbenzene	ND	0.336	--	ND	1.65	--		1.678

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02
Lab Number: L2212903
Report Date: 03/24/22

SAMPLE RESULTS

Lab ID: L2212903-01 D
Client ID: 7623R-031022-IA-BS
Sample Location: 1445 WEST RIDGE ROAD; GREECE, NY
MONROE COUNTY
Sample Depth:

Date Collected: 03/11/22 11:20
Date Received: 03/11/22
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 - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.336	--	ND	1.65	--		1.678
Benzyl chloride	ND	0.336	--	ND	1.74	--		1.678
1,3-Dichlorobenzene	ND	0.336	--	ND	2.02	--		1.678
1,4-Dichlorobenzene	ND	0.336	--	ND	2.02	--		1.678
1,2-Dichlorobenzene	ND	0.336	--	ND	2.02	--		1.678
1,2,4-Trichlorobenzene	ND	0.336	--	ND	2.49	--		1.678
Hexachlorobutadiene	ND	0.336	--	ND	3.58	--		1.678

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	74		60-140
Bromochloromethane	76		60-140
chlorobenzene-d5	78		60-140

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02
Lab Number: L2212903
Report Date: 03/24/22

SAMPLE RESULTS

Lab ID: L2212903-01 D
Client ID: 7623R-031022-IA-BS
Sample Location: 1445 WEST RIDGE ROAD; GREECE, NY
MONROE COUNTY
Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/23/22 19:57
Analyst: RY

Date Collected: 03/11/22 11:20
Date Received: 03/11/22
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.104	0.034	--	0.266	0.086	--		1.678
1,1-Dichloroethene	ND	0.034	--	ND	0.133	--		1.678
cis-1,2-Dichloroethene	0.540	0.034	--	2.14	0.133	--		1.678
1,1,1-Trichloroethane	0.064	0.034	--	0.348	0.183	--		1.678
Carbon tetrachloride	0.086	0.034	--	0.538	0.211	--		1.678
Trichloroethene	0.173	0.034	--	0.930	0.181	--		1.678
Tetrachloroethene	0.797	0.034	--	5.40	0.228	--		1.678

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	73		60-140
bromochloromethane	75		60-140
chlorobenzene-d5	78		60-140

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02
Lab Number: L2212903
Report Date: 03/24/22

SAMPLE RESULTS

Lab ID: L2212903-02
Client ID: 7623R-031022-IA-1F-1
Sample Location: 1445 WEST RIDGE ROAD; GREECE, NY
MONROE COUNTY
Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/23/22 22:12
Analyst: RY

Date Collected: 03/11/22 11:17
Date Received: 03/11/22
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.639	0.200	--	3.16	0.989	--		1
Chloromethane	0.778	0.200	--	1.61	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	43.6	5.00	--	82.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	29.2	1.00	--	69.4	2.38	--		1
Trichlorofluoromethane	0.831	0.200	--	4.67	1.12	--		1
Isopropanol	2.44	0.500	--	6.00	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.668	0.500	--	1.97	1.47	--		1
Ethyl Acetate	0.733	0.500	--	2.64	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.665	0.500	--	1.96	1.47	--		1

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02
Lab Number: L2212903
Report Date: 03/24/22

SAMPLE RESULTS

Lab ID: L2212903-02
Client ID: 7623R-031022-IA-1F-1
Sample Location: 1445 WEST RIDGE ROAD; GREECE, NY
MONROE COUNTY

Date Collected: 03/11/22 11:17
Date Received: 03/11/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.208	0.200	--	0.664	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.330	0.200	--	1.35	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.724	0.200	--	2.73	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02
Lab Number: L2212903
Report Date: 03/24/22

SAMPLE RESULTS

Lab ID: L2212903-02
Client ID: 7623R-031022-IA-1F-1
Sample Location: 1445 WEST RIDGE ROAD; GREECE, NY
MONROE COUNTY
Sample Depth:

Date Collected: 03/11/22 11:17
Date Received: 03/11/22
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 - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	73		60-140
Bromochloromethane	76		60-140
chlorobenzene-d5	78		60-140

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02
Lab Number: L2212903
Report Date: 03/24/22

SAMPLE RESULTS

Lab ID: L2212903-02
Client ID: 7623R-031022-IA-1F-1
Sample Location: 1445 WEST RIDGE ROAD; GREECE, NY
MONROE COUNTY
Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/23/22 22:12
Analyst: RY

Date Collected: 03/11/22 11:17
Date Received: 03/11/22
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.088	0.020	--	0.225	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.465	0.020	--	1.84	0.079	--		1
1,1,1-Trichloroethane	0.048	0.020	--	0.262	0.109	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	0.146	0.020	--	0.785	0.107	--		1
Tetrachloroethene	0.695	0.020	--	4.71	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	73		60-140
bromochloromethane	75		60-140
chlorobenzene-d5	78		60-140

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02
Lab Number: L2212903
Report Date: 03/24/22

SAMPLE RESULTS

Lab ID: L2212903-03
Client ID: 7623R-031022-IA-1F-2
Sample Location: 1445 WEST RIDGE ROAD; GREECE, NY
MONROE COUNTY
Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/23/22 22:59
Analyst: RY

Date Collected: 03/11/22 11:18
Date Received: 03/11/22
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.670	0.200	--	3.31	0.989	--		1
Chloromethane	0.869	0.200	--	1.79	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	45.1	5.00	--	85.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	21.5	1.00	--	51.1	2.38	--		1
Trichlorofluoromethane	1.08	0.200	--	6.07	1.12	--		1
Isopropanol	2.18	0.500	--	5.36	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.602	0.500	--	1.78	1.47	--		1
Ethyl Acetate	0.542	0.500	--	1.95	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02
Lab Number: L2212903
Report Date: 03/24/22

SAMPLE RESULTS

Lab ID: L2212903-03
Client ID: 7623R-031022-IA-1F-2
Sample Location: 1445 WEST RIDGE ROAD; GREECE, NY
MONROE COUNTY
Sample Depth:

Date Collected: 03/11/22 11:18
Date Received: 03/11/22
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 - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.224	0.200	--	0.716	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.292	0.200	--	1.20	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.687	0.200	--	2.59	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02
Lab Number: L2212903
Report Date: 03/24/22

SAMPLE RESULTS

Lab ID: L2212903-03
Client ID: 7623R-031022-IA-1F-2
Sample Location: 1445 WEST RIDGE ROAD; GREECE, NY
MONROE COUNTY
Sample Depth:

Date Collected: 03/11/22 11:18
Date Received: 03/11/22
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 - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	70		60-140
Bromochloromethane	73		60-140
chlorobenzene-d5	73		60-140

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02
Lab Number: L2212903
Report Date: 03/24/22

SAMPLE RESULTS

Lab ID: L2212903-03
Client ID: 7623R-031022-IA-1F-2
Sample Location: 1445 WEST RIDGE ROAD; GREECE, NY
MONROE COUNTY
Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/23/22 22:59
Analyst: RY

Date Collected: 03/11/22 11:18
Date Received: 03/11/22
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.108	0.020	--	0.276	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.527	0.020	--	2.09	0.079	--		1
1,1,1-Trichloroethane	0.054	0.020	--	0.295	0.109	--		1
Carbon tetrachloride	0.093	0.020	--	0.585	0.126	--		1
Trichloroethene	0.168	0.020	--	0.903	0.107	--		1
Tetrachloroethene	0.763	0.020	--	5.17	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	69		60-140
bromochloromethane	72		60-140
chlorobenzene-d5	74		60-140

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02
Lab Number: L2212903
Report Date: 03/24/22

SAMPLE RESULTS

Lab ID: L2212903-04
Client ID: 7623R-031022-AA
Sample Location: 1445 WEST RIDGE ROAD; GREECE, NY
MONROE COUNTY
Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/23/22 20:39
Analyst: RY

Date Collected: 03/11/22 11:22
Date Received: 03/11/22
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.529	0.200	--	2.62	0.989	--		1
Chloromethane	0.649	0.200	--	1.34	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.56	5.00	--	10.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.17	1.00	--	7.53	2.38	--		1
Trichlorofluoromethane	0.227	0.200	--	1.28	1.12	--		1
Isopropanol	0.515	0.500	--	1.27	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02
Lab Number: L2212903
Report Date: 03/24/22

SAMPLE RESULTS

Lab ID: L2212903-04
Client ID: 7623R-031022-AA
Sample Location: 1445 WEST RIDGE ROAD; GREECE, NY
MONROE COUNTY
Sample Depth:

Date Collected: 03/11/22 11:22
Date Received: 03/11/22
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 - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.222	0.200	--	0.709	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.299	0.200	--	1.13	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02
Lab Number: L2212903
Report Date: 03/24/22

SAMPLE RESULTS

Lab ID: L2212903-04
Client ID: 7623R-031022-AA
Sample Location: 1445 WEST RIDGE ROAD; GREECE, NY
MONROE COUNTY
Sample Depth:

Date Collected: 03/11/22 11:22
Date Received: 03/11/22
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 - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	76		60-140
Bromochloromethane	80		60-140
chlorobenzene-d5	79		60-140

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02
Lab Number: L2212903
Report Date: 03/24/22

SAMPLE RESULTS

Lab ID: L2212903-04
Client ID: 7623R-031022-AA
Sample Location: 1445 WEST RIDGE ROAD; GREECE, NY
MONROE COUNTY
Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/23/22 20:39
Analyst: RY

Date Collected: 03/11/22 11:22
Date Received: 03/11/22
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.021	0.020	--	0.142	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	76		60-140
bromochloromethane	78		60-140
chlorobenzene-d5	79		60-140

Project Name: NYSDEC FORMER ERWIN DRYCLEANER **Lab Number:** L2212903

Project Number: 452326.02 **Report Date:** 03/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/23/22 15:38

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1619044-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: NYSDEC FORMER ERWIN DRYCLEANER **Lab Number:** L2212903

Project Number: 452326.02 **Report Date:** 03/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/23/22 15:38

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1619044-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: NYSDEC FORMER ERWIN DRYCLEANER **Lab Number:** L2212903

Project Number: 452326.02 **Report Date:** 03/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/23/22 15:38

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1619044-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: NYSDEC FORMER ERWIN DRYCLEANER **Lab Number:** L2212903

Project Number: 452326.02 **Report Date:** 03/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/23/22 15:38

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-04 Batch: WG1619047-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYSDEC FORMER ERWIN DRYCLEANER

Project Number: 452326.02

Lab Number: L2212903

Report Date: 03/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1619044-3								
Dichlorodifluoromethane	96		-		70-130	-		
Chloromethane	105		-		70-130	-		
Freon-114	98		-		70-130	-		
Vinyl chloride	85		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Bromomethane	86		-		70-130	-		
Chloroethane	86		-		70-130	-		
Ethanol	90		-		40-160	-		
Vinyl bromide	96		-		70-130	-		
Acetone	106		-		40-160	-		
Trichlorofluoromethane	94		-		70-130	-		
Isopropanol	103		-		40-160	-		
1,1-Dichloroethene	85		-		70-130	-		
Tertiary butyl Alcohol	85		-		70-130	-		
Methylene chloride	108		-		70-130	-		
3-Chloropropene	93		-		70-130	-		
Carbon disulfide	102		-		70-130	-		
Freon-113	102		-		70-130	-		
trans-1,2-Dichloroethene	77		-		70-130	-		
1,1-Dichloroethane	80		-		70-130	-		
Methyl tert butyl ether	96		-		70-130	-		
2-Butanone	100		-		70-130	-		
cis-1,2-Dichloroethene	79		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYSDEC FORMER ERWIN DRYCLEANER

Project Number: 452326.02

Lab Number: L2212903

Report Date: 03/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1619044-3								
Ethyl Acetate	77		-		70-130	-		
Chloroform	86		-		70-130	-		
Tetrahydrofuran	95		-		70-130	-		
1,2-Dichloroethane	81		-		70-130	-		
n-Hexane	86		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	102		-		70-130	-		
Cyclohexane	87		-		70-130	-		
1,2-Dichloropropane	93		-		70-130	-		
Bromodichloromethane	99		-		70-130	-		
1,4-Dioxane	92		-		70-130	-		
Trichloroethene	94		-		70-130	-		
2,2,4-Trimethylpentane	89		-		70-130	-		
Heptane	116		-		70-130	-		
cis-1,3-Dichloropropene	115		-		70-130	-		
4-Methyl-2-pentanone	122		-		70-130	-		
trans-1,3-Dichloropropene	100		-		70-130	-		
1,1,2-Trichloroethane	101		-		70-130	-		
Toluene	91		-		70-130	-		
2-Hexanone	125		-		70-130	-		
Dibromochloromethane	108		-		70-130	-		
1,2-Dibromoethane	111		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYSDEC FORMER ERWIN DRYCLEANER

Project Number: 452326.02

Lab Number: L2212903

Report Date: 03/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1619044-3								
Tetrachloroethene	102		-		70-130	-		
Chlorobenzene	105		-		70-130	-		
Ethylbenzene	97		-		70-130	-		
p/m-Xylene	99		-		70-130	-		
Bromoform	113		-		70-130	-		
Styrene	109		-		70-130	-		
1,1,2,2-Tetrachloroethane	107		-		70-130	-		
o-Xylene	103		-		70-130	-		
4-Ethyltoluene	107		-		70-130	-		
1,3,5-Trimethylbenzene	108		-		70-130	-		
1,2,4-Trimethylbenzene	113		-		70-130	-		
Benzyl chloride	101		-		70-130	-		
1,3-Dichlorobenzene	111		-		70-130	-		
1,4-Dichlorobenzene	113		-		70-130	-		
1,2-Dichlorobenzene	111		-		70-130	-		
1,2,4-Trichlorobenzene	118		-		70-130	-		
Hexachlorobutadiene	110		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYSDEC FORMER ERWIN DRYCLEANER

Project Number: 452326.02

Lab Number: L2212903

Report Date: 03/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 Batch: WG1619047-3								
Vinyl chloride	87		-		70-130	-		25
1,1-Dichloroethene	85		-		70-130	-		25
cis-1,2-Dichloroethene	80		-		70-130	-		25
1,1,1-Trichloroethane	98		-		70-130	-		25
Carbon tetrachloride	98		-		70-130	-		25
Trichloroethene	96		-		70-130	-		25
Tetrachloroethene	106		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02

Lab Number: L2212903
Report Date: 03/24/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1619044-5 QC Sample: L2212903-04 Client ID: 7623R-031022-AA						
Dichlorodifluoromethane	0.529	0.553	ppbV	4		25
Chloromethane	0.649	0.680	ppbV	5		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	5.56	5.59	ppbV	1		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	3.17	3.01	ppbV	5		25
Trichlorofluoromethane	0.227	0.234	ppbV	3		25
Isopropanol	0.515	0.527	ppbV	2		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02

Lab Number: L2212903
Report Date: 03/24/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1619044-5 QC Sample: L2212903-04 Client ID: 7623R-031022-AA						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
Benzene	0.222	0.228	ppbV	3		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.299	0.297	ppbV	1		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02

Lab Number: L2212903
Report Date: 03/24/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1619044-5 QC Sample: L2212903-04 Client ID: 7623R-031022-AA						
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02

Lab Number: L2212903
Report Date: 03/24/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1619047-5 QC Sample: L2212903-04 Client ID: 7623R-031022-AA						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.083	0.083	ppbV	0		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	0.021	0.020	ppbV	5		25

Project Name: NYSDEC FORMER ERWIN DRYCLEANER

Lab Number: L2212903

Project Number: 452326.02

Report Date: 03/24/22

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
L2212903-01	7623R-031022-IA-BS	0317	Flow 5	03/10/22	380522		-	-	-	Pass	3.0	1.5	67
L2212903-01	7623R-031022-IA-BS	2128	6.0L Can	03/10/22	380522	L2211878-03	Pass	-29.0	-17.6	-	-	-	-
L2212903-02	7623R-031022-IA-1F-1	01369	Flow 5	03/10/22	380522		-	-	-	Pass	3.0	2.8	7
L2212903-02	7623R-031022-IA-1F-1	2253	6.0L Can	03/10/22	380522	L2211878-05	Pass	-29.3	-11.2	-	-	-	-
L2212903-03	7623R-031022-IA-1F-2	02053	Flow 5	03/10/22	380522		-	-	-	Pass	3.0	2.2	31
L2212903-03	7623R-031022-IA-1F-2	2956	6.0L Can	03/10/22	380522	L2211878-01	Pass	-29.1	-14.0	-	-	-	-
L2212903-04	7623R-031022-AA	02155	FLOW 5	03/10/22	380522		-	-	-	Pass	3.0	1.2	86
L2212903-04	7623R-031022-AA	2813	6.0L Can	03/10/22	380522	L2211871-04	Pass	-28.9	-3.9	-	-	-	-

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L2211871
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211871-04
Client ID: CAN 2813
Sample Location:

Date Collected: 03/07/22 08:00
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/08/22 17:43
Analyst: TS

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

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L2211871
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211871-04
Client ID: CAN 2813
Sample Location:

Date Collected: 03/07/22 08:00
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2211871
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211871-04
Client ID: CAN 2813
Sample Location:

Date Collected: 03/07/22 08:00
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L2211871
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211871-04
Client ID: CAN 2813
Sample Location:

Date Collected: 03/07/22 08:00
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2211871
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211871-04
Client ID: CAN 2813
Sample Location:

Date Collected: 03/07/22 08:00
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	101		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2211871
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211871-04
Client ID: CAN 2813
Sample Location:

Date Collected: 03/07/22 08:00
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/08/22 17:43
Analyst: TS

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

Project Name: INDIV. CANISTER CERTIFICATION **Lab Number:** L2211871

Project Number: CANISTER QC INDIV **Report Date:** 03/24/22

Air Canister Certification Results

Lab ID: L2211871-04
Client ID: CAN 2813
Sample Location:

Date Collected: 03/07/22 08:00
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: INDIV. CANISTER CERTIFICATION **Lab Number:** L2211871

Project Number: CANISTER QC INDIV **Report Date:** 03/24/22

Air Canister Certification Results

Lab ID: L2211871-04
Client ID: CAN 2813
Sample Location:

Date Collected: 03/07/22 08:00
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-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	98		60-140
chlorobenzene-d5	103		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-01
Client ID: CAN 2956 SHELF 40
Sample Location:

Date Collected: 03/07/22 18:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/08/22 22:12
Analyst: RY

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-01
Client ID: CAN 2956 SHELF 40
Sample Location:

Date Collected: 03/07/22 18:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-01
Client ID: CAN 2956 SHELF 40
Sample Location:

Date Collected: 03/07/22 18:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-01
Client ID: CAN 2956 SHELF 40
Sample Location:

Date Collected: 03/07/22 18:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-01
Client ID: CAN 2956 SHELF 40
Sample Location:

Date Collected: 03/07/22 18:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	95		60-140

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

Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-01
Client ID: CAN 2956 SHELF 40
Sample Location:

Date Collected: 03/07/22 18:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/08/22 22:12
Analyst: RY

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2211878

Project Number: CANISTER QC BAT **Report Date:** 03/24/22

Air Canister Certification Results

Lab ID: L2211878-01
Client ID: CAN 2956 SHELF 40
Sample Location:

Date Collected: 03/07/22 18:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-01
Client ID: CAN 2956 SHELF 40
Sample Location:

Date Collected: 03/07/22 18:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

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

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

Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-03
Client ID: CAN 2128 SHELF 42
Sample Location:

Date Collected: 03/07/22 18:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/08/22 23:29
Analyst: RY

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

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

Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-03
Client ID: CAN 2128 SHELF 42
Sample Location:

Date Collected: 03/07/22 18:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-03
Client ID: CAN 2128 SHELF 42
Sample Location:

Date Collected: 03/07/22 18:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-03
Client ID: CAN 2128 SHELF 42
Sample Location:

Date Collected: 03/07/22 18:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-03
Client ID: CAN 2128 SHELF 42
Sample Location:

Date Collected: 03/07/22 18:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-03
Client ID: CAN 2128 SHELF 42
Sample Location:

Date Collected: 03/07/22 18:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/08/22 23:29
Analyst: RY

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-03
Client ID: CAN 2128 SHELF 42
Sample Location:

Date Collected: 03/07/22 18:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-03
Client ID: CAN 2128 SHELF 42
Sample Location:

Date Collected: 03/07/22 18:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-05
Client ID: CAN 2253 SHELF 44
Sample Location:

Date Collected: 03/08/22 09:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/09/22 00:47
Analyst: RY

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-05
Client ID: CAN 2253 SHELF 44
Sample Location:

Date Collected: 03/08/22 09:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-05
Client ID: CAN 2253 SHELF 44
Sample Location:

Date Collected: 03/08/22 09:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-05
Client ID: CAN 2253 SHELF 44
Sample Location:

Date Collected: 03/08/22 09:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-05
Client ID: CAN 2253 SHELF 44
Sample Location:

Date Collected: 03/08/22 09:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

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

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

Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-05
Client ID: CAN 2253 SHELF 44
Sample Location:

Date Collected: 03/08/22 09:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/09/22 00:47
Analyst: RY

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-05
Client ID: CAN 2253 SHELF 44
Sample Location:

Date Collected: 03/08/22 09:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2211878
Report Date: 03/24/22

Air Canister Certification Results

Lab ID: L2211878-05
Client ID: CAN 2253 SHELF 44
Sample Location:

Date Collected: 03/08/22 09:00
Date Received: 03/08/22
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	96		60-140

Project Name: NYSDEC FORMER ERWIN DRYCLEANER
Project Number: 452326.02

Lab Number: L2212903
Report Date: 03/24/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2212903-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2212903-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2212903-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2212903-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	NYSDEC FORMER ERWIN DRYCLEANER	**Lab Number:**	L2212903
Project Number:	452326.02	**Report Date:**	03/24/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	NYSDEC FORMER ERWIN DRYCLEANER	**Lab Number:**	L2212903
Project Number:	452326.02	**Report Date:**	03/24/22

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.

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'.

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.

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.)

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	NYSDEC FORMER ERWIN DRYCLEANER	**Lab Number:**	L2212903
Project Number:	452326.02	**Report Date:**	03/24/22

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.)

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

3/12/22 L2212903

Alpha Analytical

Phone: 508-822-9300
Fax:
nyservicecenter@alphalab.com
320 Forbes Blvd
Mansfield, MA 02048

Doc #378 Rev 2_01122021

CHAIN OF CUSTODY RECORD (AIR)

Page 1 of 1

Company Name:	PARSONS
Address:	301 PLAINFIELD RD; SYRACUSE, NY 13212
Phone:	
Project Name:	NYSDEC FORMER ERWIN DRY CLEANER'S RIFS
Site Number:	828154
Project Location:	1445 West Ridge Road; Greece, NY Monroe County
Project Number:	452326.02
Project Manager:	HEATHER BUDZICH
Alpha Analytical Quote Name/Number:	
Invoice Recipient:	
Sampled By:	Parsons- Kristin Brooks & Jim Mikoschik

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other: SAMPLE RECEIPT, L2, L4, NYSDEC EQUIS EDD
CLP Like Data Pkg Required: ☑
Email To: Heather.Fettig@parsons.com; Lorraine.Weber@parsons.com
Copy To: Heather.Budzich@parsons.com; Laura.Drachenberg@parsons.com

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-15	" Hg			Summa Can ID	Flow Controller ID
	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	m³/min	Code	m³		Initial Pressure	Final Pressure	Lab Receipt Pressure		
	7623R-03 10 22-IA-BS	3/10/22 1136	3/11/22 1120	1,424	4.21×10^{-6}	AI	0.006	x	-30.00	-17.65		2128	0317
	7623R-03 10 22-IA-1F-1	3/10/22 1117	3/11/22 1117	1,440	4.17×10^{-6}	AI	0.006	x	-30.27	-11.16		2253	01369
	7623R-03 10 22-IA-1F-2	3/10/22 1130	3/11/22 1118	1,428	4.20×10^{-6}	AI	0.006	x	-30.05	-13.80		2956	~~01356~~ 02063
	7623R-01 22-IA-1F-2D					AI		x					
	7623R-03 10 22-AA	3/10/22 1145	3/11/22 1122	1,417	4.23×10^{-6}	AA	0.006	x	-29.75	-5.00		2813	02155

Comments: Property 3

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
AI = INDOOR AIR
AA = AMBIENT
AS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature) Kristin Brooks	Date/Time: 3/11/22 12:00
Received by: (signature) R Cunningham AAL	Date/Time: 3/11/22 12:00
Relinquished by: (signature) R Cunningham AAL	Date/Time: 3/11/22 12:00
Received by: (signature)	Date/Time: 3/12/22 0010
Relinquished by: (signature)	Date/Time: 3/12/22 2:00
Received by: (signature) AAL	Date/Time: 3/12/22 0200
AAL	3/12/22 0500
Jim Aldrich	3/12/2205:00

Detection Limit Requirements
MA
CT
Other:

Special Requirements
MA MCP Required
MCP Certification Form Required
CT RCP Required
RCP Certification Form Required
Other

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet