PERIODIC REVIEW REPORT

MAIN AND EAST BALCOM STREET SITE
BCP SITE NO. C915306

BUFFALO, NEW YORK

May 2021 0239-021-001

Prepared for:

SCRE Mid-City, LLC

Prepared By:

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218

PERIODIC REVIEW REPORT

Main and East Balcom Street Site

BCP Site No. C915306

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PERIODIC REVIEW REPORT
Main and East Balcom Street Site
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APPENDICES

1.0 INTRODUCTION

TurnKey Environmental Restoration, LLC (TurnKey) has prepared this Periodic Review Report (PRR), on behalf of SCRE Mid-City, LLC to summarize the post-remedial status of New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C915306, located in the City of Buffalo, Erie County, New York (Site; see Figures 1 and 2).

This PRR has been prepared for the Main and East Balcom Street Site in accordance with NYSDEC DER-10 *Technical Guidance for Site Investigation and Remediation* (May 2010). The NYSDEC's Institutional and Engineering Controls (IC/EC) Certification Form has been completed for the Site (see Appendix A).

This PRR and the associated inspection forms have been completed for the December 24, 2019 to March 23, 2021 reporting period.

1.1 Site Background

The Site consists of one parcel, identified as 1661 Main Street, totaling 0.993-acres, located in the City of Buffalo, Erie County, New York. The Site is currently improved with a six-story building and concrete patio; asphalt parking lots along Main Street and East Balcom Street; concrete sidewalks; and associated landscaped areas (see Figures 1 and 2).

Prior to remediation and redevelopment, the Site was used for warehouse-storage and trucking, filling station(s), commercial-retail (bakery), and residential.

1.2 Remedial History

After acceptance into the NYS BCP on October 21, 2016, a Remedial Investigation/Interim Remedial Measures (RI/IRM) Work Plan and supplemental work plans were prepared and submitted to the NYSDEC for review and approval. Interim Remedial Measures (IRM) activities were completed to address the removal of one (1) exterior Underground Storage Tank (UST), one (1) interior Aboveground Storage Tank (AST) and appurtenant piping; excavation of petroleum, PAH, and metals impacted soils; groundwater management; and excavation backfilling. A Remedial Action Work Plan (RAWP) was prepared and approved by the NYSDEC detailing the excavation and off-site disposal of impacted soil/fill with post-excavation confirmatory sampling; supplemental

indoor air and subslab Soil Vapor Intrusion (SVI) and groundwater assessments; and construction of a Site-wide cover system.

The cleanup was successful in achieving the remedial objectives for the Site. The Site Management Plan (SMP) and Final Engineering Report (FER) were approved by the Department in December 2019. The NYSDEC issued a Certificate of Completion (COC) for the Site on December 24, 2019.

1.3 Modifications

During this reporting period, the property and Certificate of Completion (COC) were transferred to SCRE Mid-City, LLC.

Please update the contact information:

Contact Information
Mr. Nicholas Sinatra, Manager
SCRE Mid-City, LLC
617 Main Street, Suite 2R
Buffalo NY 14203

1.4 Compliance

Due to the novel coronavirus (COVID-19) groundwater sampling was not completed during 2020. Groundwater sampling is planned to be completed in accordance with the SMP in 2021 and 2022.

An annual site inspection of the exterior cover system was completed during the reporting period, and the Site is in general compliance with the SMP. The completed IC/EC form is included in Appendix A and a Site photo log is included in Appendix B.

1.5 Recommendations

No modifications of the SMP are recommended at this time.

2.0 SITE OVERVIEW

Previous investigations identified environmental contamination on-Site that required remediation. BCP investigations and remediation were completed between 2017 and 2019.

The remedial activities included:

- Excavation, cleaning, and removal of one (1) exterior UST and appurtenant piping with confirmatory sampling and analysis;
- Cleaning and removal of one (1) interior AST and appurtenant piping with confirmatory sampling and analysis;
- Excavation and off-site disposal of non-hazardous soil/fill exceeding the NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives (SCOs) with confirmatory sampling and analysis.
- Construction and maintenance of a cover system consisting of the existing building, concrete, and asphalt pavement; and minimum 24-inches soil cover of approved clean material placed on top of a demarcation layer, to prevent human exposure to remaining soil/fill exceeding RRSCOs.
- Placement of an environmental easement to (1) implement, maintain, and monitor Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and (3) limit the use and development of the Site to Restricted Residential, Commercial, or Industrial uses only.

Remedial activities were completed in September 2019. The FER and SMP for the Site were approved by the Department in December 2019. The COC was issued for the Site on December 24, 2019.

2.1 SMP Confirmatory SVI Assessment

In accordance with the SMP, post-COC confirmatory SVI sampling was completed within the building on March 17, 2020. NYSDEC representative were present during pre-sampling inspection. Based on the results of the sampling, the Department accepted the results and confirmed no further action is required. Copies of the SVI sampling results and Department correspondence are included electronically in Attachment C.

3.0 REMEDY PERFORMANCE

Due to the novel coronavirus (COVID-19), no groundwater sampling was completed in 2020. Groundwater sampling will be completed in accordance with the SMP in 2021 and 2022.

Annual site inspection was completed on August 14, 2020, and the cover system is being maintained in accordance with the approved SMP.

The completed IC/EC Certification form and site photographs are included in Appendix A and Appendix B, respectively.

4.0 SITE MANAGEMENT PLAN

The SMP for the Site was approved by the Department in December 2019. The SMP includes an Institutional and Engineering Control (IC/EC) Plan, a Monitoring and Sampling Plan, an Excavation Work Plan (EWP), and a copy of the Environmental Easements. A brief description of the components of the SMP is presented below.

4.1 Monitoring and Sampling Plan

The Monitoring and Sampling Plan consists of two major components, including the Post-Remediation Monitoring and Sampling Plan and the Annual Inspection & Certification Program.

4.1.1 Long-Term Groundwater Monitoring and Sampling Plan

Groundwater monitoring and sampling is to be performed semi-annually as outlined in the Department-approved SMP. A total of six (6) monitoring wells are to be sampled and analyzed for volatile organic compounds (VOCs) during each sampling event.

Due to the novel coronavirus (COVID-19), no groundwater sampling was completed in 2020. Groundwater sampling will be completed in accordance with the SMP in 2021 and 2022..

4.1.2 Annual Inspection and Certification Program

The Annual Inspection and Certification Program outlines the requirements for the Site, to certify and attest that the institutional controls and/or engineering controls employed at the Site are unchanged from the previous certification. The Annual Certification will primarily consist of an annual Site Inspection to complete the NYSDEC's IC/EC Certification Form. The Site inspection will verify that the IC/ECs:

- Are in place and effective.
- Are performing as designed.
- That nothing has occurred that would impair the ability of the controls to protect the public health and environment.

- That nothing has occurred that would constitute a violation or failure to comply with any operation and maintenance plan for such controls.

- Access is available to the Site to evaluate continued maintenance of such controls.

Site inspection was completed during the reporting period. The property is being used in accordance with the Restricted Residential Use (mixed use commercial and residential), with surface parking, concrete walkways, and landscaped areas. No observable indication of intrusive activities was noted during the Site inspection. No observable use of groundwater was noted during the site inspection.

The completed Site Management Periodic Review Report Notice – Institutional and Engineering Controls Certification Form is included in Appendix A. A photolog of the most recent Site inspections is included in Appendix B.

4.2 Excavation Work Plan

An EWP was included in the Department-approved SMP for the Site. The EWP provides guidelines for the management of soil and fill material during any future intrusive activities.

No intrusive activities requiring management of on-Site soil or fill material; or the placement of backfill materials occurred during the monitoring period.

4.3 Engineering and Institutional Control Requirements and Compliance

As detailed in the Environmental Easements, several IC/ECs need to be maintained as a requirmement of the BCAs for the Site.

4.3.1 Institutional Controls

- Groundwater-Use Restriction – the use of groundwater for potable and non-potable purposes is prohibited without water quality treatment as determined by the NYSDOH;
- Land-Use Restriction: The controlled property may be used for restricted residential, commercial and/or industrial use; and

- Implementation of the SMP.

4.3.2 Engineering Controls

- All engineering controls must be operated, maintained, and inspected as specified in the SMP;
- Cover System – The cover system, including buildings, concrete sidewalks, asphalt, and landscaped vegetated areas are being maintained in compliance with the SMP.

At the time of the site inspection, the Site was compliant with the engineering and institutional control requirements.

Groundwater sampling will be completed in 2021 and 2022 in accordance with the SMP and data provided to the Department.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Conclusions:

The Site was in general compliance with the SMP. Groundwater smapling will be completed in 2021 and 2022 in accordance with the SMP.

Recommendations:

Update Site Contact information

Contact Information
Mr. Nicholas Sinatra, Manager
SCRE Mid-City, LLC
617 Main Street, Suite 2R
Buffalo NY 14203

No other changes are recommended at this time.

6.0 DECLARATION/LIMITATION

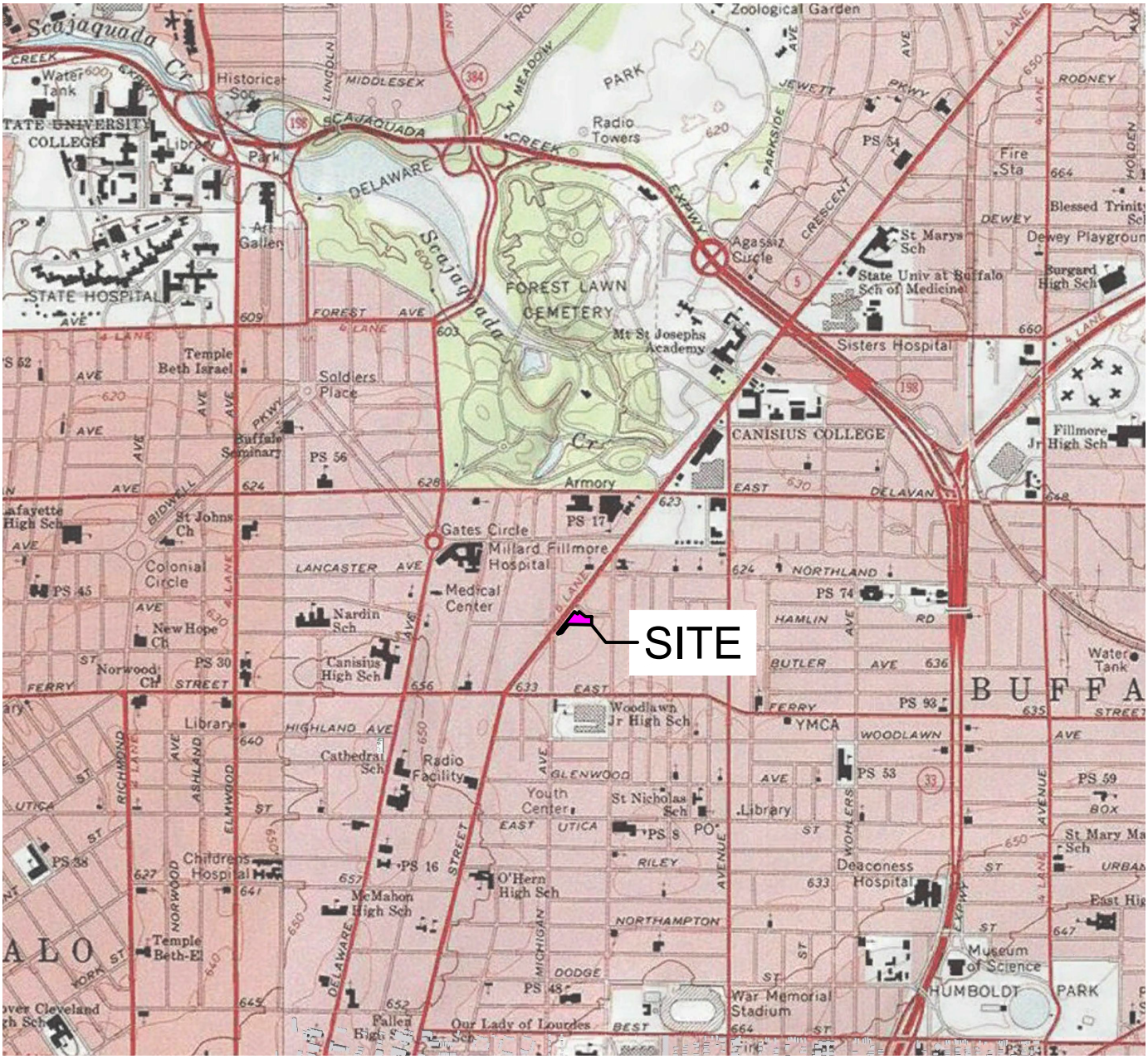
Benchmark personnel conducted the annual site inspections for the Main and East Balcom Street Site (BCP Site No. C915306), located in Buffalo, New York, according to generally accepted practices. This report complied with the scope of work provided to SCRE.

This report has been prepared for the exclusive use of SCRE. The contents of this report are limited to information available at the time of the site inspections. The findings herein may be relied upon only at the discretion of SCRE. Use of or reliance upon this report or its findings by any other person or entity is prohibited without written permission of TurnKey.

FIGURES

FIGURE 1

F:\CAD\TurnKey\Sinatra\1653-1661 Main Street Site\PRR\Figure 1 - Site Location and Vicinity Map.dwg



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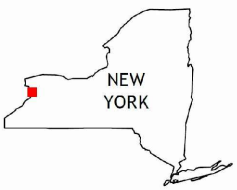
(approximate)



TURNKEY ENVIRONMENTAL RESTORATION, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

PROJECT NO.: 0239-021-001

DATE: MAY 2021

DRAFTED BY: CMS

SITE LOCATION AND VICINITY MAP

PERIODIC REVIEW REPORT

MAIN & EAST BALCOM STREET SITE
BCP SITE NO. C915306
BUFFALO, NEW YORK

PREPARED FOR

SCRE Mid-City, LLC

DATE: MAY 2021
DRAFTED BY: CMS

F:\CAD\TurnKey\Sinatra\1653-1661 Main Street Site\PRR\Figure 2 - Site Plan_Aerial.dwg

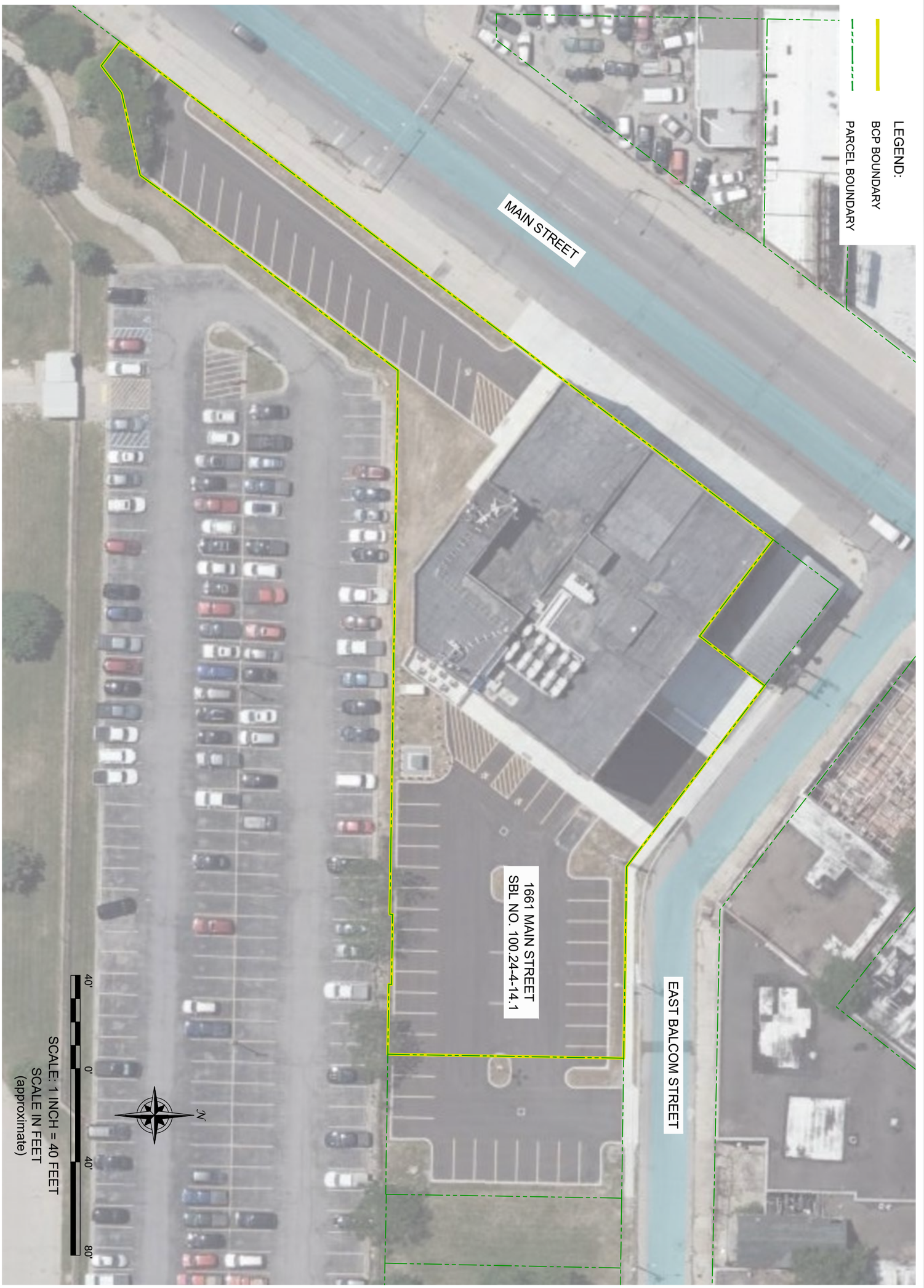


FIGURE 2

SITE PLAN (AERIAL)

PERIODIC REVIEW REPORT

MAIN & EAST BALCOM STREET SITE
BCP SITE NO. C915306
BUFFALO, NEW YORK

PREPARED FOR
SCRE Mid-City, LLC

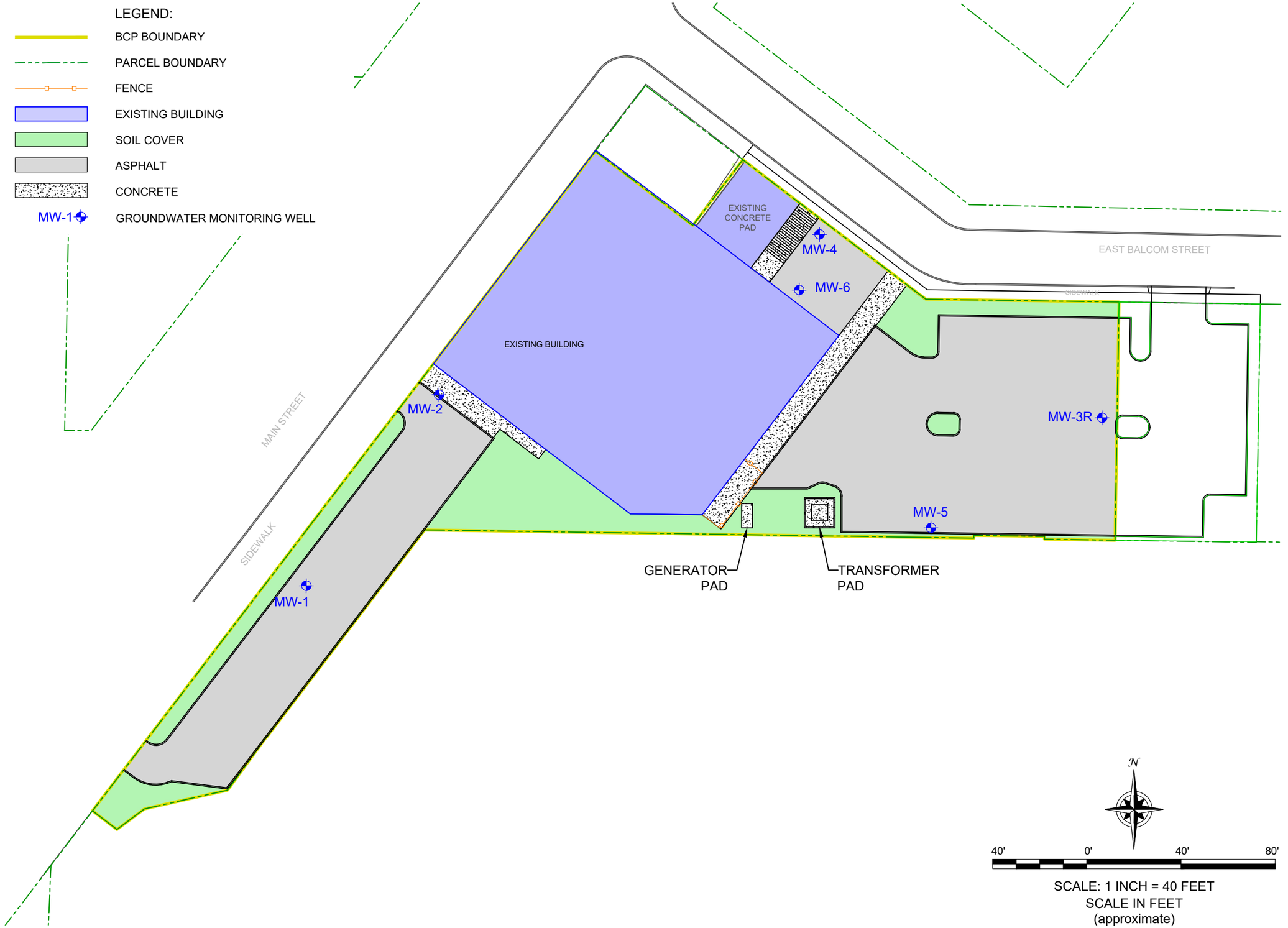
TURNKEY ENVIRONMENTAL RESTORATION, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0239-021-001

F:\CAD\TurnKey\Sinatra\1653-1661 Main Street Site\PRR\Figure 3 - Cover System Layout.dwg

LEGEND:

- BCP BOUNDARY
- PARCEL BOUNDARY
- FENCE
- EXISTING BUILDING
- SOIL COVER
- ASPHALT
- CONCRETE
- MW-1 GROUNDWATER MONITORING WELL



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SCALE IN FEET
(approximate)

DATE: MAY 2021
DRAFTED BY: CMS

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0239-021-001

COVER SYSTEM LAYOUT

PERIODIC REVIEW REPORT
MAIN & EAST BALCOM STREET SITE
BCP SITE NO. C915306
BUFFALO, NEW YORK
PREPARED FOR
SCRE Mid-City, LLC

FIGURE 3

APPENDIX A

INSTITUTIONAL & ENGINEERING CONTROLS CERTIFICATION FORM

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **C915306**

Site Name Main and East Balcom Street Site

Site Address: 1661 Main Street Zip Code: 14209
City/Town: Buffalo
County: Erie
Site Acreage: 0.993

Reporting Period: December 24, 2019 to March 23, 2021

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☑	☐
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

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

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☑

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☑	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C915306 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
Portion of 100.24-4-14.1	~~1665 Main Street Group, LLC~~ SCRE Mid-City, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

Prohibition against use of groundwater without treatment
Provision for SVI evaluation of occupied buildings on site
Annual monitoring of groundwater
Compliance with excavation plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
Portion of 100.24-4-14.1	Cover System

Site cover system

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
☑	☐

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

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

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

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

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

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

YES	NO
☑	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C915306

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Nicholas Sinatra (print name) at SCRE Mid-City, LLC, 617 Main Street, Suite 2R, Buffalo NY 14203 (print business address),

am certifying as Owner / Manager (Owner or Remedial Party)

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

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

5-14-2021
Date

EC CERTIFICATIONS

Main and East Balcom Site C915306

Box 7

Qualified Environmental Professional Signature

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

I Nathan Mundy at 2558 Hamburg Turnpike Buffalo 14218
print name print business address

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

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

Stamp (Required for PE)

6 May 2021
Date

TurnKey Environmental Restoration LLC

INSPECTOR'S DAILY REPORT

Page ____ of ____

CONTRACTOR: Man + E Balcom C95306	JOB NO.:
CLIENT: Simtra / 1665 Main	DATE: 14 Aug 2025

LOCATION: 1661 Main Street		DAY: Su M Tu W Th F Sa	
WEATHER: Clear	TEMP: °F	START:	END:

WORK PERFORMED:

2020 Annual Site Inspection

- Cover in good condition Asphalt, concrete, grass areas along Main + E. Balcom.

- No interior Bldg (covid)

TEST PERFORMED:

QA PERSONNEL:

SIGNATURE:

APPENDIX B

SITE PHOTO LOG

SITE PHOTOGRAPHS

Photo 1:

Photo 2:

Photo 3:

Photo 4:

Photo 1: Soil cover system and hardscape along East Balcom Street.

Photo 2: Soil cover system and hardscape along southeastern Site boundary.

Photo 3: Soil cover system and hardscape along Main Street.

Photo 4: Soil cover system and hardscape along southwestern Site boundary.

SITE PHOTOGRAPHS

Photo 5:

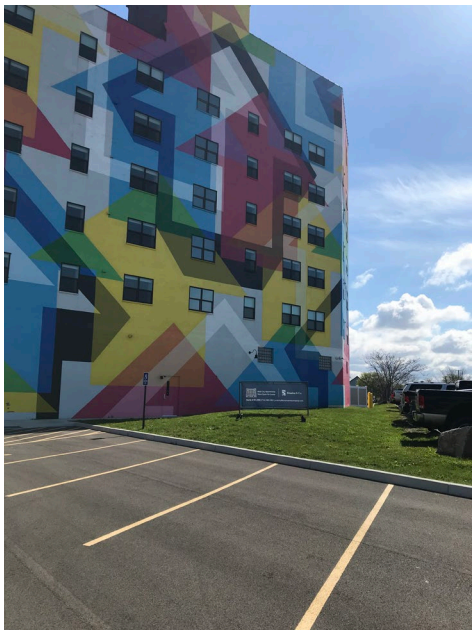


Photo 6:

Photo 7:

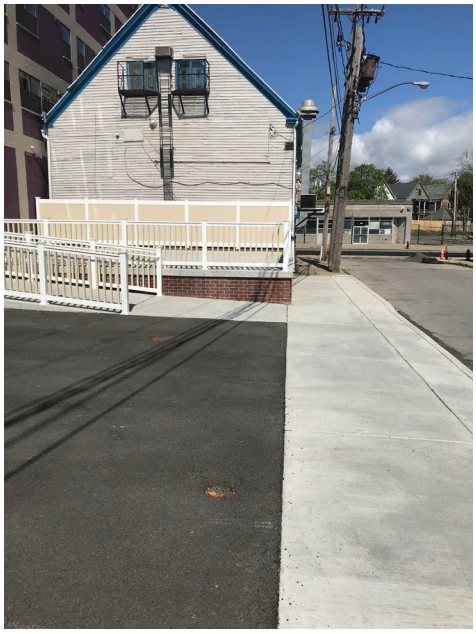


Photo 8:

Photo 5: Soil cover system and hardscape along the southwestern portion of the building.

Photo 6: Hardscape along the southeastern portion of the building.

Photo 7: Hardscape along the northeastern portion of the building.

Photo 8: Typical groundwater monitoring wells (MW-4 and MW-6 shown).

APPENDIX C

CONFIRMATORY SVI ASSESSMENT

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, NY 14203-2915
P: (716) 851-7220 | F: (716) 851-7226
www.dec.ny.gov

August 4, 2020

Nicholas Sinatra
1665 Main Street Group, LLC
617 Main Street, Suite 350
Buffalo, NY 14203

Dear Mr. Sinatra:

Re: Confirmatory Soil Vapor Intrusion Assessment
Main and East Balcom Street, Site #C915306
Buffalo, Erie County

This Department and the NYS Department of Health, accept the July 21, 2020 Soil Vapor Intrusion (SVI) assessment summary report for the subject site. No further action is required with respect to soil vapor intrusion concerns on site.

If you have any questions, please contact me by phone (716-851-7260) or email (david.locey@dec.ny.gov).

Sincerely,

David P. Locey
DER Project Manager

DPL:

ec:
N. Sinatra - 1665 Main Street Group, Nick@sinatraandcompany.com
N. Munley – TurnKey, nmunley@turnkeyllc.com
M. Cruden - NYSDEC
A. Caprio – NYSDEC
S. Rushford - NYSDOH
C. Bethoney - NYSDOH
A. Bonamici / C. Nicastro – NYSDOH WRO
M. Desiderio / M. Kowalski – ECDOH

July 21, 2020

Mr. David Locey
NYS Department of Environmental Conservation
Division of Environmental Remediation Region 9
270 Michigan Avenue
Buffalo NY 14203-2915

Re: Main and E Balcom Street Site (C915306)
SMP Confirmatory SVI Assessment
Buffalo New York

Dear Mr. Locey:
On behalf of 1665 Main Street Group LLC, TurnKey Environmental Restoration, LLC (TurnKey) has prepared this Soil Vapor Intrusion (SVI) assessment summary report to detail the post-development confirmatory sampling, completed in accordance with Department's approved Site Management Plan (SMP), dated December 2019, for the Main and E Balcom Street Site (C915306).

Preliminary sampling conducted during the RI indicated "no further action (NFA)" at that time; however, due to the preliminary sampling being completed prior to optimal building conditions, the Department requested confirmatory sampling be completed after redevelopment activities were complete in the building basement and first floors.

The sampling was completed in general accordance with NYS Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006; subsequent updates) sampling protocol.

Pre-sample inspection
On March 17, 2020, representatives from 1665 Main Street Group LLC, TurnKey, and the Department completed a walk-through inspection of the basement, first floor, and upper floor residential units in preparation for confirmatory sampling.

Building construction activities have been completed in the basement including: completion of elevator, painting of the basement walls and ceiling, and installation of storage unit cages. The basement is used for storage only, with no offices and residential space present. The basement is heated by independent natural gas wall mounted heaters.

First floor inspection identified recently finished common areas including entrance hallway, stairs, elevator, and common mail room, with freshly painted walls, ceilings, and flooring installed. First floor commercial spaces were finished to pre-lease specifications with

finished masonry, painted ceilings, and independent temporary natural gas heaters. Residential units located on the upper floors (2-6) have individual HVAC for each unit.

Pre-Sampling Inventory

During the inspection, a pre-sampling inventory of the basement and first floor was completed. No products were identified stored in the basement during the inspection. A copy of the inventory is attached. Photos of potential sources are included in the attached photolog.

Several potential sources of indoor air contamination were noted, including:

First Floor –

- Cleaning supplies (Alcohols – denatured alcohol, window cleaner, stainless cleaner),
- latex paints, two-part floor adhesive
- drywall mastic
- gasoline cans
- PVC pipe solvent and glue compounds
- Floor scarifying compound - contains petroleum constituents

Air sample locations were located similar to the original RI sampling locations, including co-located SSV20-1/Ambient20-1 and SSV20-2/Ambient20-2 in the basement, Ambient20-3 in the 1st floor commercial space, an additional 1st floor location, as requested by the Department in the new entrance-elevator hallway (Ambient20-4), and exterior ambient location (Outdoor20-1). Locations are shown on Figure 1 with preliminary RI locations shown for reference.

Air Sample Collection

The air samples were collected using laboratory provided Summa® air collection canisters equipped with pre-set timed regulator to draw vapors into the canisters over an 24-hour period. Following sample collection, the canisters were delivered under chain of custody command to NYSDOH ELAP-approved laboratory for analysis of volatile organic compounds per USEPA TO-15 methodology. A copy of the laboratory analytical report is attached. A summary of the analytical results is presented in Table 1, including preliminary RI results for reference. Table 2 provides a comparison of the analytical results to the NYSDOH Matrix A, B, and C thresholds.

Sample Results

The vast majority of detected air constituents were reported by the laboratory as non-detect or estimated values below the laboratory quantitation limit. Laboratory air sample analytical results are summarized on Table 1. Laboratory analytical data package is attached.

The laboratory analytical results for the compounds subject to the NYSDOH SVI Guidance were compared to their respective decision matrices (Matrix A, Matrix B, and Matrix C,

respectively) on Table 2. Based on the comparison of analytical concentrations all results indicate "No Further Action (NFA)".

Based upon the results of the sampling as summarized herein, the data do not indicate a soil vapor intrusion concern.

Please let us know if you require additional information.

Sincerely,
TurnKey Environmental Restoration, LLC

Nathan T. Munley
Project Manager

Att.

ec:
N. Sinatra (1665 Main Street Group)
C. Slater Esq. (Slater Law)
R. Ockerby (NYSDOH)

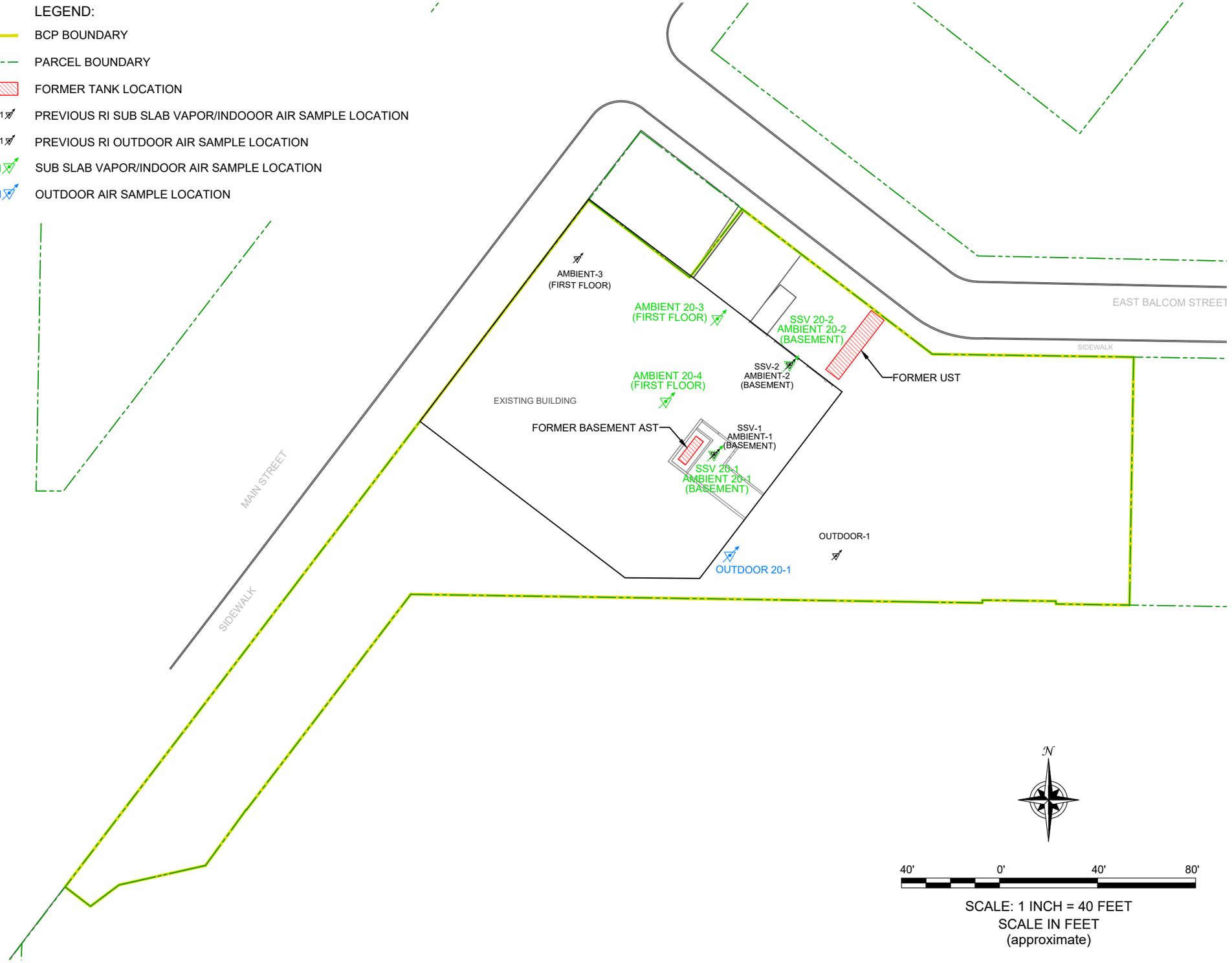
0239-016-001

Figure

F:\CAD\TurnKey\Sinatra\1653-1661 Main Street Site\Post-COC\Figure 1 - Soil Vapor Intrusion Sample Locations.dwg

LEGEND:

- BCP BOUNDARY
- PARCEL BOUNDARY
- FORMER TANK LOCATION
- SSV-1/AMBIENT-1 — PREVIOUS RI SUB SLAB VAPOR/INDOOR AIR SAMPLE LOCATION
- OUTDOOR-1 — PREVIOUS RI OUTDOOR AIR SAMPLE LOCATION
- SSV 20-1/AMBIENT 20-1 — SUB SLAB VAPOR/INDOOR AIR SAMPLE LOCATION
- OUTDOOR 20-1 — OUTDOOR AIR SAMPLE LOCATION



SCALE: 1 INCH = 40 FEET
SCALE IN FEET
(approximate)

DATE: APRIL 2020
DRAFTED BY: CMS

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
TURNKEY ENVIRONMENTAL RESTORATION, LLC
2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

JOB NO.: 0239-016-001

SOIL VAPOR INTRUSION SAMPLE LOCATIONS

MAIN & EAST BALCOM STREET SITE
BCP SITE NO. C915306
BUFFALO, NEW YORK

PREPARED FOR
1665 MAIN STREET GROUP, LLC

FIGURE 1

Tables

TABLE 1

SUMMARY OF AIR SAMPLING ANALYTICAL RESULTS

MAIN & EAST BALCOM STREET SITE (BCP SITE NO. C915306)
BUFFALO, NEW YORK

Parameter [1]	Sample Location												
	SSV-1	AMBIENT-1	SSV-2	AMBIENT-2	AMBIENT-3	OUTDOOR	SSV 20-1	AMBIENT 20-1	SSV 20-2	AMBIENT 20-2	AMBIENT 20-3	AMBIENT 20-4	OUTDOOR 20-1
	2/12/2018						3/18/2020						
Volatile Organics Compounds (VOCs) - ug/m^3													
1,1,2-Trichloro-1,2,2-Trifluloroethane	9.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	1.34	3.22	1.17	ND	ND	ND	ND	ND	ND	ND	2.42	ND
1,3,5-Trimethylbenzene	ND	ND	1.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Butadiene	ND	ND	1.36	ND	ND	ND	2.03	ND	ND	ND	ND	ND	ND
2-Butanone	11.4 J	15.3	8.2	12.6	7.76	ND	11.3	2.26	3.95	1.98	ND	2.79	ND
Acetone	R	25.4	73.6 J+	19.8	17.9	2.42 J-	35.4	39.2	13.3	20.4	9.88	18	3.9
Benzene	92.3 J	0.639	19.6	ND	0.642	ND	115	ND	14.9	ND	ND	ND	ND
Carbon disulfide	95.6 J	ND	10.7	ND	ND	ND	10.6	ND	3.52	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	0.942	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	0.793	ND	0.727	0.673	0.653	1.51	1.25	ND	1.26	1.21	1.37	1.28
Cyclohexane	1560 J	ND	29.5	ND	ND	ND	301	ND	37.9	ND	ND	ND	ND
Dichlorodifluoromethane	ND	1.94	0.999	2.21	1.58	1.54	2.19	2.73	2.05	2.61	2.46	2.45	2.38
Ethyl Alcohol	154	ND	28.5	ND	ND	ND	14.5	21.5	12.9	14.5	12.7	20.2	ND
Ethylbenzene	ND	4.33	5.13	4.56	1.56	ND	34.5	1.59	4.34	1.03	ND	9.86	ND
Isopropyl alcohol	13.2 J	1.61	3.76	1.34	ND	ND	ND	3.83	ND	3.54	3.07	3.61	ND
n-Heptane	225 J	0.877	30.1	0.857	ND	ND	319	ND	33.6	ND	ND	ND	ND
n-Hexane	1160 J	1.19	51.5	1.09	1.02	ND	222	1.4	51.8	1.36	0.804	0.881	ND
tert-Butyl alcohol	ND	6.43	1.7	5.52	2.89	ND	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	ND	13.7	1.76	12.6	8.11	ND	ND	3.8	ND	2.34	ND	3.78	ND
Toluene	22.3	4.94	44.1	4.48	3.68	ND	35.4	ND	41.5	0.84	ND	2.68	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	1.63	ND	1.45	1.41	1.42	1.43
o-Xylene	4.78	8.17	7.3	8.38	2.88	ND	2.94	2.2	4.39	1.43	ND	13.1	ND
p/m-Xylene	16	25.2	20.3	25.1	8.56	ND	40.9	7.17	10.9	4.6	ND	45.6	ND
Volatile Organics Compounds (VOCs) in SIM - ug/m^3													
Carbon tetrachloride [2]	ND	0.371	ND	0.365	0.359	0.315	ND	0.459	ND	0.396	0.39	0.384	0.44
Tetrachloroethene [2]	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14	ND	ND	ND
Trichloroethene [2]	ND	ND	ND	ND	ND	ND	ND	0.185	ND	0.142	ND	0.387	ND

Notes:

1. Only those parameters detected above the method detection limit, at a minimum of one location, are presented in this table.
2. Constituent monitored under NYSDOH Vapor/ Indoor Air Quality Standards - (Matricies A,B,C- Updated May 2017)

Definitions:

ND = Parameter not detected above laboratory detection limit.
"--" = No value available for the parameter. Or parameter not analysed for.
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J+ = The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
J- = The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits.
The analyte may or may not be present.

TABLE 2

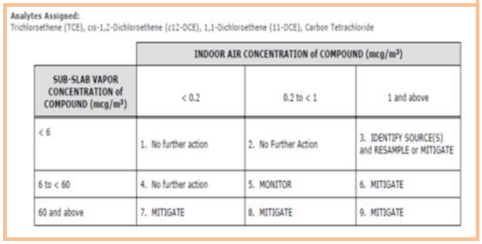
COMPARISON OF AIR SAMPLING RESULTS TO NYSDOH MATRICES

MAIN & EAST BALCOM STREET SITE (BCP SITE NO. C915306)
BUFFALO, NEW YORK

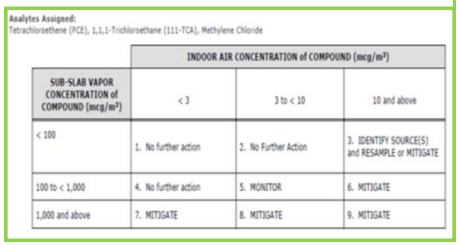
Sample Location	Sample Date	Trichloroethene (TCE)		Carbon Tetrachloride		cis-1,2-Dichloroethene		1,1-Dichloroethene		Tetrachloroethene (PCE)		1,1,1 -Trichloroethane		Methylene Chloride		Vinyl Chloride	
		Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix A	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix A	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix A	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix A	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix B	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix B	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix B	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix C
SSV-1	2/12/2018	ND (< 5.37)	NFA	ND (< 6.29)	NFA	ND (< 3.96)	NFA	ND (< 4.05)	NFA	ND (< 6.78)	NFA	ND (< 5.46)	NFA	ND (< 8.69)	NFA	ND (< 2.56)	NFA
AMBIENT - 1		ND (< 0.107)		0.371		ND (< 0.079)		ND (< 0.079)		ND (< 0.136)		ND (< 0.109)		ND (< 1.74)		ND (< 0.051)	
SSV-2	2/12/2018	ND (< 1.07)	NFA	ND (< 1.26)	NFA	ND (< 0.793)	NFA	ND (< 0.793)	NFA	ND (< 1.36)	NFA	ND (< 1.09)	NFA	ND (< 1.74)	NFA	ND (< 0.511)	NFA
AMBIENT - 2		ND (< 0.107)		0.365		ND (< 0.079)		ND (< 0.079)		ND (< 0.136)		ND (< 0.109)		ND (< 1.74)		ND (< 0.051)	
SSV 20-1	3/18/2020	ND (<1.07)	NFA	ND (<1.26)	NFA	ND (<0.793)	NFA	ND (<0.793)	NFA	ND (<1.36)	NFA	ND (<1.09)	NFA	ND (<1.74)	NFA	ND (<0.511)	NFA
AMBIENT 20-1		0.185		0.459		ND (< 0.109)		ND (< 0.109)		ND (< 0.186)		ND (< 0.15)		ND (< 2.39)		ND (< 0.07)	
SSV 20-2	3/18/2020	ND (<1.07)	NFA	ND (<1.26)	NFA	ND (<0.793)	NFA	ND (<0.793)	NFA	ND (<1.36)	NFA	ND (< 0.109)	NFA	ND (<1.74)	NFA	ND (<0.511)	NFA
AMBIENT 20-2		0.14		0.396		ND (< 0.079)		ND (< 0.079)		0.142		ND (< 0.109)		ND (< 1.74)		ND (< 0.051)	

Notes:
ND = Not Detect. Value in "()" is the detection limit reported by the laboratory.
NFA = No further action.
I, R = Take reasonable and practical actions to identify source(s) and reduce exposures.

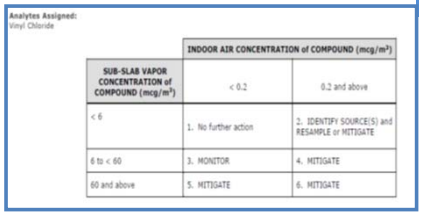
= NYSDOH Matrix A Compounds
= NYSDOH Matrix B Compounds
= NYSDOH Matrix C Compounds


Analytes Assigned:
Trichloroethene (TCE), cis-1,2-Dichloroethene (c12-DCE), 1,1-Dichloroethene (11-DCE), Carbon Tetrachloride

SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
	< 0.2	0.2 to < 1	1 and above
< 6	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	4. No further action	5. MONITOR	6. MITIGATE
60 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE


Analytes Assigned:
Tetrachloroethene (PCE), 1,1,1-Trichloroethane (111-TCA), Methylene Chloride

SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
	< 3	3 to < 10	10 and above
< 100	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
100 to < 1,000	4. No further action	5. MONITOR	6. MITIGATE
1,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE


Analytes Assigned:
Vinyl Chloride

SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)	
	< 0.2	0.2 and above
< 6	1. No further action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	3. MONITOR	4. MITIGATE
60 and above	5. MITIGATE	6. MITIGATE

Attachment 1

Building Inventory

TurnKey

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

Project Name: Main + Balcom	Project No.
Project Location: Buffalo, NY	Client: Sinatra Real Estate
Preparer's Name: Nick Suraci	Date/Time: 3/17/20 11:30 AM
Preparer's Affiliation: Consultant	Phone No: 716-713-3437
Purpose of Investigation:	

1. OCCUPANT: None

Interviewed: yes (no)

Last Name: First Name:

Address:

County:

Home Phone: Office Phone:

Number of Occupants/persons at this location: Age of Occupants:

2. OWNER OR LANDLORD: (check if same as occupant_____)

Interviewed: (yes) no

Last Name: Zawilski First Name: TIM

Address: 617 main st Buffalo NY 14203

County: Erie

Home Phone: Office Phone: 716-574-6585

3. BUILDING CHARACTERISTICS

Type of Building: check appropriate response)

☒ Residential	☐ School	☒ Commercial/Multi-use
☐ Industrial	☐ Church	☐ Other:

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

☐ Ranch	☐ 2-Family	☐ 3-Family
☐ Raised Ranch	☐ Split Level	☐ Colonial
☐ Cape Cod	☐ Contemporary	☐ Mobile Home
☐ Duplex	☐ Apartment House	☐ Townhouse/Condo
☐ Modular	☐ Log Home	☐ Other:

If multiple units, how many? 50 apartments 3 commercial

If the property is commercial, type?

Business Type(s):

Does it include residences (i.e., multi-use)? (yes) no If yes, how many? 50

Other Characteristics:

Number of floors 6 + attic Building age 50+ 1904

Is the building insulated? (yes) no How air tight? (tight) average not tight

4. AIR FLOW

INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

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

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

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

a. Above grade construction:	☐ wood frame	☐ concrete	☐ stone
b. Basement type:	☐ full	☐ crawlspace	☐ slab
c. Basement floor:	☐ concrete	☐ dirt	☐ stone
d. Basement floor:	☐ uncovered	☐ covered	☐ covered with
e. Concreter floor:	☐ unsealed	☐ sealed	☐ sealed with
f. Foundation walls:	☐ poured	☐ block	☐ stone
g. Foundation walls:	☐ unsealed	☐ sealed	☐ sealed with
h. The basement is:	☐ wet	☐ damp	☐ dry
i. The basement is:	☐ finished	☐ unfinished	☐ partially finished
j. Sump present?	☐ yes	☐ no	
k. Water in Sump?	☐ yes	☐ no	☐ not applicable

Basement/Lowest level depth below grade:

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

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

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

INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

- [x] Hot air circulation
- [ ] Heat pump
- [ ] Hot water baseboard
- [ ] Space Heaters
- [ ] Steam radiation
- [ ] Radiant floor
- [ ] Electric baseboard
- [ ] Wood stove
- [ ] Outdoor wood boiler
- [ ] Other

The primary type of fuel used is:

- [x] Natural Gas
- [ ] Fuel oil
- [ ] Kerosene
- [ ] Electric
- [ ] Propane
- [ ] Solar
- [ ] Wood
- [ ] Coal
- [ ] Other

Domestic hot water tank fueled by:

Boiler/furnace located in:

- [ ] Basement
- [x] Outdoors
- [ ] Main Floor
- [ ] Other

Air Conditioning:

- [x] Central Air
- [ ] Window units
- [ ] Open Windows
- [ ] None

Are there air distribution ducts present? [x] yes [ ] no

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 [ ] Occaisionally [x] Seldom [ ] Almost Never

Level	General Use of Each Floor (e.g., family room, bedroom, laundry, workshop, storage)
Basement	Storage
First Floor	Common
Second Floor	Res
Third Floor	Res
Fourth Floor	Res

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? [ ] yes [x] no

INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

b. Does the garage have a separate heating unit? ☐ yes ☐ no ☒ NA

c. Are petroleum-powered machines or vehicles stored in the garage? ☐ yes ☐ no ☒ NA
(e.g., lawnmower, atv, car) If yes, please specify:

d. Has the building ever had a fire? ☐ yes ☒ no
If yes, when?

e. Is a kerosene or unvented gas space heater present? ☐ yes ☒ no
If yes, where?

f. Is there a workshop or hobby/craft area? ☐ yes ☒ no
If yes, where and type?

g. Is there smoking in the building? ☐ yes ☒ no
If yes, how frequently?

h. Have cleaning products been used recently? ☒ yes ☐ no
If yes, when & type?

i. Have cosmetic products been used recently? ☒ yes ☐ no
If yes, when & type? 6 Months

j. Has painting/staining been done in the last 6 months? ☒ yes ☐ no
If yes, where & when? White Bldg

k. Is there new carpet, drapes, or other textiles? ☒ yes ☐ no
If yes, where & when?

l. Have air fresheners been used recently? ☒ yes ☐ no
If yes, when & type?

m. Is there a kitchen exhaust fan? ☒ yes ☐ no
If yes, where vented? Yes

n. Is there a bathroom exhaust fan? ☒ yes ☐ no
If yes, where vented? Yes

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY (continued)

o. Is there a clothes dryer? ☒ yes ☐ no
If yes, is it vented outside? (yes) no

p. Has there been a pesticide application? ☐ yes ☒ no

If yes, when & type?

q. Are there odors in the building? ☒ yes ☐ no

If yes, please describe? Paints

r. Do any of the building occupants use solvents at work? ☐ yes ☒ no

(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? ☐ yes ☐ no

s. Do any of the building occupants regularly use or work at a dry-cleaning service?

(check 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

t. Is there a radon mitigation system for the building/structure? ☐ yes ☒ no

If yes, date of installation?

Is the system active or passive?

9. WATER AND SEWAGE

Water Supply: ☒ Public Water ☐ Drilled Well ☐ Driven Well ☐ Dug Well ☐ Other:

Sewage Disposal: ☒ Public Sewer ☐ Septic Tank ☐ Leach Field ☐ Dry Well ☐ Other:

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended:

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

c. Responsibility for costs associated with reimbursement explained? ☐ yes ☐ no

d. Relocation package provided and explained to residents? ☐ yes ☐ no

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.

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INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

Location	Product Description	Size (units)	Condition [1]	Chemical Ingredients	Field Instrument Reading (units)	Photo (Y/N)
Unit 1,	Cleaners		U		0	Y
Unit 1,3,4	Paints		U		0	Y
Unit 1,4	Membrane cleaner		U		0	Y
Unit 3	Sweeping compound		U		0	Y
3	Denatured alcohol		U		0	Y
3	Stainless Steel cleaner		U		0	Y
3	Cleaning Wipes		U		0	Y
3	Bee Heaters Fluid		U		0	Y
4	gas cans		U		0	Y
4	Joint Compound		U		0	Y
4	Cement		U		0	Y
4	Wadex		U		0	Y
1 1	Goof Off		U		0	Y
1	Body Filler		U		0	Y
1	Bostik		U		0	Y
1	Drylock		U		0	Y
1	Spray Paint		U		0	Y
1	PVC cement		U		0	Y
1	Primer		U		0	Y
1	roof adhesive		U		0	Y

Notes:

1. Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D).**
2. 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.

Attachment 2

Photolog

TurnKey

SITE PHOTOGRAPHS

Photo 1:

Photo 2:

Photo 3:

Photo 4:

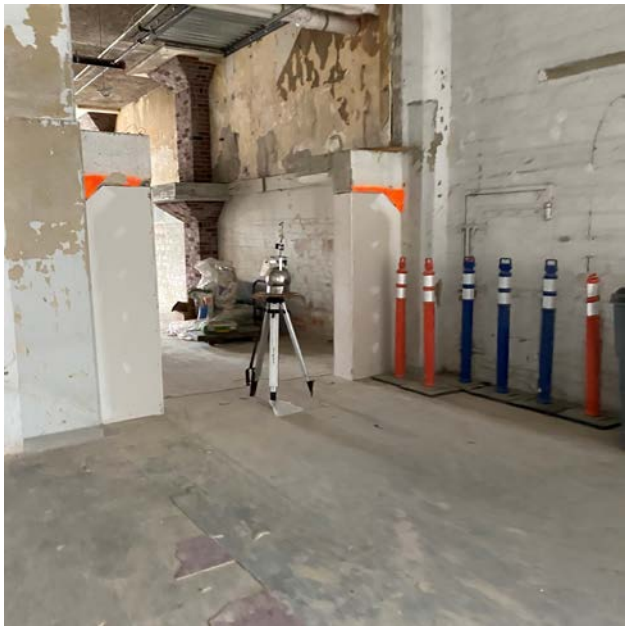

Photo 1: View of SSV-20-2 and Ambient 20-2.

Photo 2: View of SSV-20-1, Blind duplicate, and Ambient 20-1.

Photo 3: View of Ambient 20-4.

Photo 4: View of Ambient 20-3.

Main and East Balcom Street Site Photo Date: March 17, 2020	TURNKEY

SITE PHOTOGRAPHS

Photo 5:

Photo 6:

Photo 7:

Photo 8:

Photo 5: View of outdoor 20-1.

Photo 6: View of chemicals noted during product inventory.

Photo 7: View of chemicals noted during product inventory.

Photo 8: View of chemicals noted during product inventory.

SITE PHOTOGRAPHS

Photo 9:

Photo 10:

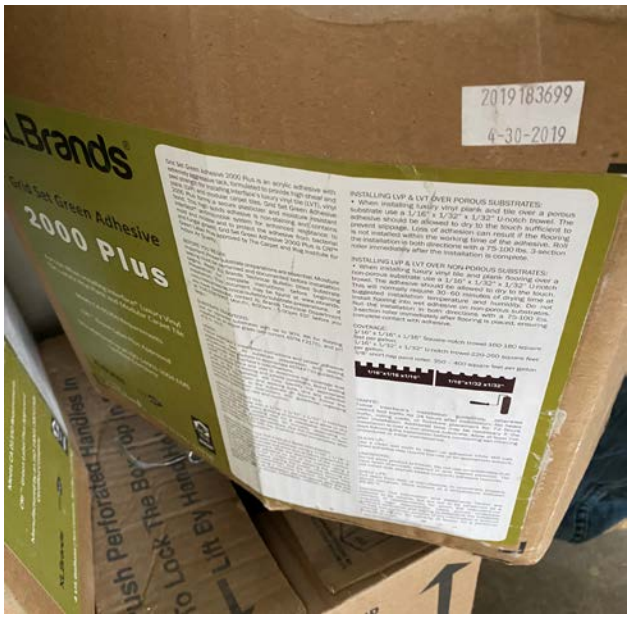

Photo 11:

Photo 12:

Photo 9: View of chemicals noted during product inventory.

Photo 10: View of chemicals noted during product inventory.

Photo 11: View of chemicals noted during product inventory.

Photo 12: View of chemicals noted during product inventory.

Main and East Balcom Street Site Photo Date: March 17, 2020	TURNKEY

SITE PHOTOGRAPHS

Photo 13:

Photo 14:

Photo 15:

Photo 16:

Photo 13: View of chemicals noted during product inventory.

Photo 14: View of chemicals noted during product inventory.

Photo 15: View of chemicals noted during product inventory.

Photo 16: View of chemicals noted during product inventory.

Main and East Balcom Street Site Photo Date: March 17, 2020	TURNKEY

Attachment 3

Laboratory Data Package

TURNKEY

ANALYTICAL REPORT

Lab Number:	L2012213
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nate Munley
Phone:	(716) 225-3314
Project Name:	MAIN + E. BALCOM BCP
Project Number:	B0239-016-001
Report Date:	03/25/20

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: MAIN + E. BALCOM BCP
Project Number: B0239-016-001

Lab Number: L2012213
Report Date: 03/25/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2012213-01	SSV20-1	SOIL_VAPOR	BUFFALO, NY	03/18/20 07:52	03/18/20
L2012213-02	SSV20-2	SOIL_VAPOR	BUFFALO, NY	03/18/20 07:30	03/18/20
L2012213-03	SSV-20-BD	SOIL_VAPOR	BUFFALO, NY	03/18/20 07:54	03/18/20
L2012213-04	AMBIENT20-1	AIR	BUFFALO, NY	03/18/20 07:50	03/18/20
L2012213-05	AMBIENT20-2	AIR	BUFFALO, NY	03/18/20 07:28	03/18/20
L2012213-06	AMBIENT20-3	AIR	BUFFALO, NY	03/18/20 07:21	03/18/20
L2012213-07	AMBIENT20-4	AIR	BUFFALO, NY	03/18/20 07:25	03/18/20
L2012213-08	OUTDOOR20-1	AIR	BUFFALO, NY	03/18/20 07:19	03/18/20

Project Name:	MAIN + E. BALCOM BCP	**Lab Number:**	L2012213
Project Number:	B0239-016-001	**Report Date:**	03/25/20

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: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 10, 2020. The canister certification results are provided as an addendum.

L2012213-04 : The canister vacuum measured on receipt at the laboratory was > 15 in. Hg and was pressurized with Nitrogen prior to analysis. The reporting limits have been elevated accordingly.

The WG1354211-3 LCS recoveries for 2-hexanone (136%), 1,2,4-trichlorobenzene (131%) and hexachlorobutadiene (146%) are above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes.

Sample Receipt

The canister ID number for the sample designated SSV-20-BD (L2012213-03) is listed on the CoC as 617 but should be 619. Although the CoC indicates the cansiter size to be 5 liter for most of the samples the canister size is actually 6 liter.

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: 03/25/20

AIR

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-01
Client ID: SSV20-1
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:52
Date Received: 03/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/24/20 21:02
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.443	0.200	--	2.19	0.989	--		1
Chloromethane	0.732	0.200	--	1.51	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.918	0.200	--	2.03	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	0.357	0.200	--	0.942	0.528	--		1
Ethanol	7.69	5.00	--	14.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	14.9	1.00	--	35.4	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	3.41	0.200	--	10.6	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	3.82	0.500	--	11.3	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-01
Client ID: SSV20-1
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:52
Date Received: 03/18/20
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								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	63.1	0.200	--	222	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	36.0	0.200	--	115	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	87.4	0.200	--	301	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	77.8	0.200	--	319	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	9.40	0.200	--	35.4	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	7.94	0.200	--	34.5	0.869	--		1

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-01
Client ID: SSV20-1
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:52
Date Received: 03/18/20
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								
p/m-Xylene	9.41	0.400	--	40.9	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.677	0.200	--	2.94	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	113		60-140
Bromochloromethane	110		60-140
chlorobenzene-d5	121		60-140

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-02
Client ID: SSV20-2
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:30
Date Received: 03/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/24/20 21:42
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.415	0.200	--	2.05	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	6.82	5.00	--	12.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.60	1.00	--	13.3	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	1.13	0.200	--	3.52	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	1.34	0.500	--	3.95	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-02
Client ID: SSV20-2
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:30
Date Received: 03/18/20
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								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	14.7	0.200	--	51.8	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	4.67	0.200	--	14.9	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	11.0	0.200	--	37.9	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	8.19	0.200	--	33.6	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	11.0	0.200	--	41.5	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	0.999	0.200	--	4.34	0.869	--		1

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-02
Client ID: SSV20-2
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:30
Date Received: 03/18/20
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								
p/m-Xylene	2.52	0.400	--	10.9	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	1.01	0.200	--	4.39	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	109		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	109		60-140

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-03
Client ID: SSV-20-BD
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:54
Date Received: 03/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/24/20 22:24
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.385	0.200	--	1.90	0.989	--		1
Chloromethane	0.774	0.200	--	1.60	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.990	0.200	--	2.19	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	0.354	0.200	--	0.934	0.528	--		1
Ethanol	12.0	5.00	--	22.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	16.9	1.00	--	40.1	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	0.621	0.500	--	1.53	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	3.92	0.200	--	12.2	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	4.33	0.500	--	12.8	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-03
Client ID: SSV-20-BD
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:54
Date Received: 03/18/20
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								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	67.8	0.200	--	239	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	38.4	0.200	--	123	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	92.9	0.200	--	320	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	81.7	0.200	--	335	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	9.72	0.200	--	36.6	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	8.46	0.200	--	36.7	0.869	--		1

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-03
Client ID: SSV-20-BD
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:54
Date Received: 03/18/20
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								
p/m-Xylene	11.0	0.400	--	47.8	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.828	0.200	--	3.60	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.228	0.200	--	1.12	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	113		60-140
Bromochloromethane	107		60-140
chlorobenzene-d5	124		60-140

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-04 D
Client ID: AMBIENT20-1
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:50
Date Received: 03/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/23/20 18:09
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.553	0.275	--	2.73	1.36	--		1.375
Chloromethane	0.606	0.275	--	1.25	0.568	--		1.375
Freon-114	ND	0.275	--	ND	1.92	--		1.375
1,3-Butadiene	ND	0.275	--	ND	0.608	--		1.375
Bromomethane	ND	0.275	--	ND	1.07	--		1.375
Chloroethane	ND	0.275	--	ND	0.726	--		1.375
Ethanol	11.4	6.88	--	21.5	13.0	--		1.375
Vinyl bromide	ND	0.275	--	ND	1.20	--		1.375
Acetone	16.5	1.38	--	39.2	3.28	--		1.375
Trichlorofluoromethane	0.290	0.275	--	1.63	1.55	--		1.375
Isopropanol	1.56	0.688	--	3.83	1.69	--		1.375
Tertiary butyl Alcohol	ND	0.688	--	ND	2.09	--		1.375
Methylene chloride	ND	0.688	--	ND	2.39	--		1.375
3-Chloropropene	ND	0.275	--	ND	0.861	--		1.375
Carbon disulfide	ND	0.275	--	ND	0.856	--		1.375
Freon-113	ND	0.275	--	ND	2.11	--		1.375
trans-1,2-Dichloroethene	ND	0.275	--	ND	1.09	--		1.375
1,1-Dichloroethane	ND	0.275	--	ND	1.11	--		1.375
Methyl tert butyl ether	ND	0.275	--	ND	0.991	--		1.375
2-Butanone	0.766	0.688	--	2.26	2.03	--		1.375
Ethyl Acetate	ND	0.688	--	ND	2.48	--		1.375
Chloroform	ND	0.275	--	ND	1.34	--		1.375
Tetrahydrofuran	1.29	0.688	--	3.80	2.03	--		1.375

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-04 D
Client ID: AMBIENT20-1
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:50
Date Received: 03/18/20
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	0.275	--	ND	1.11	--		1.375
n-Hexane	0.396	0.275	--	1.40	0.969	--		1.375
Benzene	ND	0.275	--	ND	0.879	--		1.375
Cyclohexane	ND	0.275	--	ND	0.947	--		1.375
1,2-Dichloropropane	ND	0.275	--	ND	1.27	--		1.375
Bromodichloromethane	ND	0.275	--	ND	1.84	--		1.375
1,4-Dioxane	ND	0.275	--	ND	0.991	--		1.375
2,2,4-Trimethylpentane	ND	0.275	--	ND	1.28	--		1.375
Heptane	ND	0.275	--	ND	1.13	--		1.375
cis-1,3-Dichloropropene	ND	0.275	--	ND	1.25	--		1.375
4-Methyl-2-pentanone	ND	0.688	--	ND	2.82	--		1.375
trans-1,3-Dichloropropene	ND	0.275	--	ND	1.25	--		1.375
1,1,2-Trichloroethane	ND	0.275	--	ND	1.50	--		1.375
Toluene	ND	0.275	--	ND	1.04	--		1.375
2-Hexanone	ND	0.275	--	ND	1.13	--		1.375
Dibromochloromethane	ND	0.275	--	ND	2.34	--		1.375
1,2-Dibromoethane	ND	0.275	--	ND	2.11	--		1.375
Chlorobenzene	ND	0.275	--	ND	1.27	--		1.375
Ethylbenzene	0.367	0.275	--	1.59	1.19	--		1.375
p/m-Xylene	1.65	0.550	--	7.17	2.39	--		1.375
Bromoform	ND	0.275	--	ND	2.84	--		1.375
Styrene	ND	0.275	--	ND	1.17	--		1.375
1,1,2,2-Tetrachloroethane	ND	0.275	--	ND	1.89	--		1.375
o-Xylene	0.506	0.275	--	2.20	1.19	--		1.375
4-Ethyltoluene	ND	0.275	--	ND	1.35	--		1.375
1,3,5-Trimethylbenzene	ND	0.275	--	ND	1.35	--		1.375

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-04 D
Client ID: AMBIENT20-1
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:50
Date Received: 03/18/20
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								
1,2,4-Trimethylbenzene	ND	0.275	--	ND	1.35	--		1.375
Benzyl chloride	ND	0.275	--	ND	1.42	--		1.375
1,3-Dichlorobenzene	ND	0.275	--	ND	1.65	--		1.375
1,4-Dichlorobenzene	ND	0.275	--	ND	1.65	--		1.375
1,2-Dichlorobenzene	ND	0.275	--	ND	1.65	--		1.375
1,2,4-Trichlorobenzene	ND	0.275	--	ND	2.04	--		1.375
Hexachlorobutadiene	ND	0.275	--	ND	2.93	--		1.375

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	87		60-140

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-04 D
Client ID: AMBIENT20-1
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:50
Date Received: 03/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/23/20 18:09
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.028	--	ND	0.070	--		1.375
1,1-Dichloroethene	ND	0.028	--	ND	0.109	--		1.375
cis-1,2-Dichloroethene	ND	0.028	--	ND	0.109	--		1.375
1,1,1-Trichloroethane	ND	0.028	--	ND	0.150	--		1.375
Carbon tetrachloride	0.073	0.028	--	0.459	0.173	--		1.375
Trichloroethene	0.034	0.028	--	0.185	0.148	--		1.375
Tetrachloroethene	ND	0.028	--	ND	0.186	--		1.375

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	89		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	88		60-140

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-05
Client ID: AMBIENT20-2
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:28
Date Received: 03/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/23/20 18:47
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.527	0.200	--	2.61	0.989	--		1
Chloromethane	0.611	0.200	--	1.26	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	7.72	5.00	--	14.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.59	1.00	--	20.4	2.38	--		1
Trichlorofluoromethane	0.258	0.200	--	1.45	1.12	--		1
Isopropanol	1.44	0.500	--	3.54	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	0.671	0.500	--	1.98	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.794	0.500	--	2.34	1.47	--		1

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-05
Client ID: AMBIENT20-2
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:28
Date Received: 03/18/20
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	0.386	0.200	--	1.36	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.223	0.200	--	0.840	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.237	0.200	--	1.03	0.869	--		1
p/m-Xylene	1.06	0.400	--	4.60	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.330	0.200	--	1.43	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: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-05
Client ID: AMBIENT20-2
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:28
Date Received: 03/18/20
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								
1,2,4-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	95		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-05
Client ID: AMBIENT20-2
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:28
Date Received: 03/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/23/20 18:47
Analyst: RY

	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	0.063	0.020	--	0.396	0.126	--		1
Trichloroethene	0.026	0.020	--	0.140	0.107	--		1
Tetrachloroethene	0.021	0.020	--	0.142	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-06
Client ID: AMBIENT20-3
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:21
Date Received: 03/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/23/20 20:04
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.497	0.200	--	2.46	0.989	--		1
Chloromethane	0.587	0.200	--	1.21	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.72	5.00	--	12.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.16	1.00	--	9.88	2.38	--		1
Trichlorofluoromethane	0.251	0.200	--	1.41	1.12	--		1
Isopropanol	1.25	0.500	--	3.07	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: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-06
Client ID: AMBIENT20-3
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:21
Date Received: 03/18/20
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	0.228	0.200	--	0.804	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	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
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: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-06
Client ID: AMBIENT20-3
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:21
Date Received: 03/18/20
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								
1,2,4-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	97		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	93		60-140

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-06
Client ID: AMBIENT20-3
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:21
Date Received: 03/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/23/20 20:04
Analyst: RY

	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	0.062	0.020	--	0.390	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-07
Client ID: AMBIENT20-4
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:25
Date Received: 03/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/23/20 20:48
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.496	0.200	--	2.45	0.989	--		1
Chloromethane	0.662	0.200	--	1.37	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	10.7	5.00	--	20.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.58	1.00	--	18.0	2.38	--		1
Trichlorofluoromethane	0.252	0.200	--	1.42	1.12	--		1
Isopropanol	1.47	0.500	--	3.61	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	0.946	0.500	--	2.79	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.28	0.500	--	3.78	1.47	--		1

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-07
Client ID: AMBIENT20-4
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:25
Date Received: 03/18/20
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	0.250	0.200	--	0.881	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.712	0.200	--	2.68	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	2.27	0.200	--	9.86	0.869	--		1
p/m-Xylene	10.5	0.400	--	45.6	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	3.02	0.200	--	13.1	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: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-07
Client ID: AMBIENT20-4
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:25
Date Received: 03/18/20
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								
1,2,4-Trimethylbenzene	0.492	0.200	--	2.42	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	90		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-07
Client ID: AMBIENT20-4
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:25
Date Received: 03/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/23/20 20:48
Analyst: RY

	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	0.061	0.020	--	0.384	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.057	0.020	--	0.387	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	89		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-08
Client ID: OUTDOOR20-1
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:19
Date Received: 03/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/23/20 17:30
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.481	0.200	--	2.38	0.989	--		1
Chloromethane	0.622	0.200	--	1.28	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	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.64	1.00	--	3.90	2.38	--		1
Trichlorofluoromethane	0.255	0.200	--	1.43	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-08
Client ID: OUTDOOR20-1
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:19
Date Received: 03/18/20
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	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	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
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: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-08
Client ID: OUTDOOR20-1
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:19
Date Received: 03/18/20
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								
1,2,4-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	90		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	89		60-140

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012213-08
Client ID: OUTDOOR20-1
Sample Location: BUFFALO, NY

Date Collected: 03/18/20 07:19
Date Received: 03/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/23/20 17:30
Analyst: RY

	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	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	89		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	90		60-140

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/23/20 14:51

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): 04-08 Batch: WG1354211-4								
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: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/23/20 14:51

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): 04-08 Batch: WG1354211-4								
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: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/23/20 14:51

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): 04-08 Batch: WG1354211-4								
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: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/23/20 15:29

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): 04-08 Batch: WG1354212-4								
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

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/24/20 15:24

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): 01-03 Batch: WG1354657-4								
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: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/24/20 15:24

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): 01-03 Batch: WG1354657-4								
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: MAIN + E. BALCOM BCP
Project Number: B0239-016-001
Lab Number: L2012213
Report Date: 03/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/24/20 15:24

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): 01-03 Batch: WG1354657-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: MAIN + E. BALCOM BCP

Project Number: B0239-016-001

Lab Number: L2012213

Report Date: 03/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 04-08 Batch: WG1354211-3								
Dichlorodifluoromethane	101		-		70-130	-		
Chloromethane	120		-		70-130	-		
Freon-114	116		-		70-130	-		
Vinyl chloride	113		-		70-130	-		
1,3-Butadiene	107		-		70-130	-		
Bromomethane	118		-		70-130	-		
Chloroethane	118		-		70-130	-		
Ethanol	103		-		40-160	-		
Vinyl bromide	118		-		70-130	-		
Acetone	109		-		40-160	-		
Trichlorofluoromethane	116		-		70-130	-		
Isopropanol	122		-		40-160	-		
1,1-Dichloroethene	105		-		70-130	-		
Tertiary butyl Alcohol	92		-		70-130	-		
Methylene chloride	106		-		70-130	-		
3-Chloropropene	124		-		70-130	-		
Carbon disulfide	95		-		70-130	-		
Freon-113	110		-		70-130	-		
trans-1,2-Dichloroethene	106		-		70-130	-		
1,1-Dichloroethane	114		-		70-130	-		
Methyl tert butyl ether	105		-		70-130	-		
2-Butanone	118		-		70-130	-		
cis-1,2-Dichloroethene	112		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MAIN + E. BALCOM BCP

Project Number: B0239-016-001

Lab Number: L2012213

Report Date: 03/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 04-08 Batch: WG1354211-3								
Ethyl Acetate	117		-		70-130	-		
Chloroform	100		-		70-130	-		
Tetrahydrofuran	115		-		70-130	-		
1,2-Dichloroethane	109		-		70-130	-		
n-Hexane	102		-		70-130	-		
1,1,1-Trichloroethane	112		-		70-130	-		
Benzene	96		-		70-130	-		
Carbon tetrachloride	107		-		70-130	-		
Cyclohexane	99		-		70-130	-		
1,2-Dichloropropane	121		-		70-130	-		
Bromodichloromethane	98		-		70-130	-		
1,4-Dioxane	111		-		70-130	-		
Trichloroethene	119		-		70-130	-		
2,2,4-Trimethylpentane	104		-		70-130	-		
Heptane	121		-		70-130	-		
cis-1,3-Dichloropropene	109		-		70-130	-		
4-Methyl-2-pentanone	125		-		70-130	-		
trans-1,3-Dichloropropene	94		-		70-130	-		
1,1,2-Trichloroethane	114		-		70-130	-		
Toluene	118		-		70-130	-		
2-Hexanone	**136**	Q	-		70-130	-		
Dibromochloromethane	129		-		70-130	-		
1,2-Dibromoethane	111		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MAIN + E. BALCOM BCP

Project Number: B0239-016-001

Lab Number: L2012213

Report Date: 03/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 04-08 Batch: WG1354211-3								
Tetrachloroethene	115		-		70-130	-		
Chlorobenzene	112		-		70-130	-		
Ethylbenzene	119		-		70-130	-		
p/m-Xylene	120		-		70-130	-		
Bromoform	119		-		70-130	-		
Styrene	112		-		70-130	-		
1,1,2,2-Tetrachloroethane	120		-		70-130	-		
o-Xylene	125		-		70-130	-		
4-Ethyltoluene	112		-		70-130	-		
1,3,5-Trimethylbenzene	117		-		70-130	-		
1,2,4-Trimethylbenzene	126		-		70-130	-		
Benzyl chloride	121		-		70-130	-		
1,3-Dichlorobenzene	116		-		70-130	-		
1,4-Dichlorobenzene	114		-		70-130	-		
1,2-Dichlorobenzene	117		-		70-130	-		
1,2,4-Trichlorobenzene	**131**	Q	-		70-130	-		
Hexachlorobutadiene	**146**	Q	-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001

Lab Number: L2012213
Report Date: 03/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 04-08 Batch: WG1354212-3								
Vinyl chloride	107		-		70-130	-		25
1,1-Dichloroethene	104		-		70-130	-		25
cis-1,2-Dichloroethene	106		-		70-130	-		25
1,1,1-Trichloroethane	101		-		70-130	-		25
Carbon tetrachloride	93		-		70-130	-		25
Trichloroethene	110		-		70-130	-		25
Tetrachloroethene	111		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: MAIN + E. BALCOM BCP

Project Number: B0239-016-001

Lab Number: L2012213

Report Date: 03/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1354657-3								
Dichlorodifluoromethane	82		-		70-130	-		
Chloromethane	90		-		70-130	-		
Freon-114	99		-		70-130	-		
Vinyl chloride	102		-		70-130	-		
1,3-Butadiene	98		-		70-130	-		
Bromomethane	94		-		70-130	-		
Chloroethane	105		-		70-130	-		
Ethanol	72		-		40-160	-		
Vinyl bromide	91		-		70-130	-		
Acetone	86		-		40-160	-		
Trichlorofluoromethane	96		-		70-130	-		
Isopropanol	88		-		40-160	-		
1,1-Dichloroethene	105		-		70-130	-		
Tertiary butyl Alcohol	94		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	125		-		70-130	-		
Carbon disulfide	100		-		70-130	-		
Freon-113	103		-		70-130	-		
trans-1,2-Dichloroethene	104		-		70-130	-		
1,1-Dichloroethane	107		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
2-Butanone	106		-		70-130	-		
cis-1,2-Dichloroethene	109		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MAIN + E. BALCOM BCP

Project Number: B0239-016-001

Lab Number: L2012213

Report Date: 03/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1354657-3								
Ethyl Acetate	120		-		70-130	-		
Chloroform	100		-		70-130	-		
Tetrahydrofuran	108		-		70-130	-		
1,2-Dichloroethane	93		-		70-130	-		
n-Hexane	104		-		70-130	-		
1,1,1-Trichloroethane	84		-		70-130	-		
Benzene	100		-		70-130	-		
Carbon tetrachloride	92		-		70-130	-		
Cyclohexane	106		-		70-130	-		
1,2-Dichloropropane	108		-		70-130	-		
Bromodichloromethane	96		-		70-130	-		
1,4-Dioxane	107		-		70-130	-		
Trichloroethene	99		-		70-130	-		
2,2,4-Trimethylpentane	107		-		70-130	-		
Heptane	103		-		70-130	-		
cis-1,3-Dichloropropene	103		-		70-130	-		
4-Methyl-2-pentanone	107		-		70-130	-		
trans-1,3-Dichloropropene	85		-		70-130	-		
1,1,2-Trichloroethane	102		-		70-130	-		
Toluene	106		-		70-130	-		
2-Hexanone	115		-		70-130	-		
Dibromochloromethane	106		-		70-130	-		
1,2-Dibromoethane	107		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MAIN + E. BALCOM BCP

Project Number: B0239-016-001

Lab Number: L2012213

Report Date: 03/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1354657-3								
Tetrachloroethene	112		-		70-130	-		
Chlorobenzene	114		-		70-130	-		
Ethylbenzene	106		-		70-130	-		
p/m-Xylene	106		-		70-130	-		
Bromoform	109		-		70-130	-		
Styrene	106		-		70-130	-		
1,1,2,2-Tetrachloroethane	118		-		70-130	-		
o-Xylene	105		-		70-130	-		
4-Ethyltoluene	105		-		70-130	-		
1,3,5-Trimethylbenzene	105		-		70-130	-		
1,2,4-Trimethylbenzene	108		-		70-130	-		
Benzyl chloride	108		-		70-130	-		
1,3-Dichlorobenzene	111		-		70-130	-		
1,4-Dichlorobenzene	113		-		70-130	-		
1,2-Dichlorobenzene	113		-		70-130	-		
1,2,4-Trichlorobenzene	127		-		70-130	-		
Hexachlorobutadiene	114		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001

Lab Number: L2012213
Report Date: 03/25/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 04-08 QC Batch ID: WG1354211-5 QC Sample: L2012213-05 Client ID: AMBIENT20-2						
Dichlorodifluoromethane	0.527	0.495	ppbV	6		25
Chloromethane	0.611	0.570	ppbV	7		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	7.72	7.58	ppbV	2		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	8.59	8.41	ppbV	2		25
Trichlorofluoromethane	0.258	0.235	ppbV	9		25
Isopropanol	1.44	1.39	ppbV	4		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	0.671	0.646	ppbV	4		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001

Lab Number: L2012213
Report Date: 03/25/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 04-08 QC Batch ID: WG1354211-5 QC Sample: L2012213-05 Client ID: AMBIENT20-2						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	0.794	0.775	ppbV	2		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.386	0.379	ppbV	2		25
Benzene	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.223	0.221	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	0.237	0.239	ppbV	1		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001

Lab Number: L2012213
Report Date: 03/25/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 04-08 QC Batch ID: WG1354211-5 QC Sample: L2012213-05 Client ID: AMBIENT20-2						
p/m-Xylene	1.06	1.04	ppbV	2		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	0.330	0.323	ppbV	2		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: MAIN + E. BALCOM BCP
Project Number: B0239-016-001

Lab Number: L2012213
Report Date: 03/25/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 04-08 QC Batch ID: WG1354212-5 QC Sample: L2012213-05 Client ID: AMBIENT20-2						
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	0.063	0.065	ppbV	3		25
Trichloroethene	0.026	0.033	ppbV	24		25
Tetrachloroethene	0.021	0.021	ppbV	0		25

Project Name: MAIN + E. BALCOM BCP

Project Number: B0239-016-001

Lab Number: L2012213

Report Date: 03/25/20

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
L2012213-01	SSV20-1	0873	Flow 5	03/10/20	316215		-	-	-	Pass	3.0	3.3	10
L2012213-01	SSV20-1	3311	6.0L Can	03/10/20	316215	L2009137-06	Pass	-29.3	-14.7	-	-	-	-
L2012213-02	SSV20-2	0029	Flow 5	03/10/20	316215		-	-	-	Pass	3.0	4.2	33
L2012213-02	SSV20-2	2713	6.0L Can	03/10/20	316215	L2009137-08	Pass	-29.6	-8.6	-	-	-	-
L2012213-03	SSV-20-BD	0044	Flow 5	03/10/20	316215		-	-	-	Pass	3.0	3.2	6
L2012213-03	SSV-20-BD	619	6.0L Can	03/10/20	316215	L2009137-08	Pass	-29.6	-13.2	-	-	-	-
L2012213-04	AMBIENT20-1	01301	Flow 5	03/10/20	316215		-	-	-	Pass	3.0	3.2	6
L2012213-04	AMBIENT20-1	1540	6.0L Can	03/10/20	316215	L2008050-04	Pass	-29.3	-15.5	-	-	-	-
L2012213-05	AMBIENT20-2	01605	Flow 5	03/10/20	316215		-	-	-	Pass	3.0	3.2	6
L2012213-05	AMBIENT20-2	2382	2.7L Can	03/10/20	316236	L2009139-06	Pass	-28.2	0.0	-	-	-	-
L2012213-06	AMBIENT20-3	01576	Flow 4	03/10/20	316236		-	-	-	Pass	9.0	9.2	2
L2012213-06	AMBIENT20-3	1884	6.0L Can	03/10/20	316215	L2008050-05	Pass	-29.3	0.0	-	-	-	-
L2012213-07	AMBIENT20-4	01411	Flow 5	03/13/20	316781		-	-	-	Pass	3.0	3.5	15
L2012213-07	AMBIENT20-4	3272	6.0L Can	03/10/20	316215	L2008050-04	Pass	-29.3	-14.3	-	-	-	-
L2012213-08	OUTDOOR20-1	0003	Flow 2	03/10/20	316215		-	-	-	Pass	3.0	3.7	21

Project Name: MAIN + E. BALCOM BCP

Lab Number: L2012213

Project Number: B0239-016-001

Report Date: 03/25/20

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
L2012213-08	OUTDOOR20-1	3294	6.0L Can	03/10/20	316215	L2008050-05	Pass	-29.3	-12.7	-	-	-	-

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

Lab Number: L2008050
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2008050-04
Client ID: CAN 3299 SHELF 42
Sample Location:

Date Collected: 02/27/20 16:00
Date Received: 02/28/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/28/20 18:41
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
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2008050
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2008050-04
Client ID: CAN 3299 SHELF 42
Sample Location:

Date Collected: 02/27/20 16:00
Date Received: 02/28/20
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								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2008050
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2008050-04
Client ID: CAN 3299 SHELF 42
Sample Location:

Date Collected: 02/27/20 16:00
Date Received: 02/28/20
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-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
o-Xylene	ND	0.200	--	ND	0.869	--		1

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

Lab Number: L2008050
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2008050-04
Client ID: CAN 3299 SHELF 42
Sample Location:

Date Collected: 02/27/20 16:00
Date Received: 02/28/20
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								
1,2,3-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: L2008050
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2008050-04
Client ID: CAN 3299 SHELF 42
Sample Location:

Date Collected: 02/27/20 16:00
Date Received: 02/28/20
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	93		60-140
chlorobenzene-d5	87		60-140

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

Lab Number: L2008050
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2008050-04
Client ID: CAN 3299 SHELF 42
Sample Location:

Date Collected: 02/27/20 16:00
Date Received: 02/28/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/28/20 18:41
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
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

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

Lab Number: L2008050
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2008050-04
Client ID: CAN 3299 SHELF 42
Sample Location:

Date Collected: 02/27/20 16:00
Date Received: 02/28/20
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								
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	0.050	--	ND	0.188	--		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	0.200	--	ND	1.04	--		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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2008050

Project Number: CANISTER QC BAT **Report Date:** 03/25/20

Air Canister Certification Results

Lab ID: L2008050-04
Client ID: CAN 3299 SHELF 42
Sample Location:

Date Collected: 02/27/20 16:00
Date Received: 02/28/20
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								
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	92		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2008050
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2008050-05
Client ID: CAN 2050 SHELF 47
Sample Location:

Date Collected: 02/27/20 16:00
Date Received: 02/28/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/28/20 19:19
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
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

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

Lab Number: L2008050
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2008050-05
Client ID: CAN 2050 SHELF 47
Sample Location:

Date Collected: 02/27/20 16:00
Date Received: 02/28/20
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								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2008050
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2008050-05
Client ID: CAN 2050 SHELF 47
Sample Location:

Date Collected: 02/27/20 16:00
Date Received: 02/28/20
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-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
o-Xylene	ND	0.200	--	ND	0.869	--		1

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

Lab Number: L2008050
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2008050-05
Client ID: CAN 2050 SHELF 47
Sample Location:

Date Collected: 02/27/20 16:00
Date Received: 02/28/20
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								
1,2,3-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: L2008050
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2008050-05
Client ID: CAN 2050 SHELF 47
Sample Location:

Date Collected: 02/27/20 16:00
Date Received: 02/28/20
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	93		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	87		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2008050
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2008050-05
Client ID: CAN 2050 SHELF 47
Sample Location:

Date Collected: 02/27/20 16:00
Date Received: 02/28/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/28/20 19:19
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
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2008050
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2008050-05
Client ID: CAN 2050 SHELF 47
Sample Location:

Date Collected: 02/27/20 16:00
Date Received: 02/28/20
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								
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	0.050	--	ND	0.188	--		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	0.200	--	ND	1.04	--		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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2008050

Project Number: CANISTER QC BAT **Report Date:** 03/25/20

Air Canister Certification Results

Lab ID: L2008050-05
Client ID: CAN 2050 SHELF 47
Sample Location:

Date Collected: 02/27/20 16:00
Date Received: 02/28/20
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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	87		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2009137
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009137-06
Client ID: CAN 1830 SHELF 56
Sample Location:

Date Collected: 03/04/20 09:00
Date Received: 03/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/04/20 20:01
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: L2009137
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009137-06
Client ID: CAN 1830 SHELF 56
Sample Location:

Date Collected: 03/04/20 09:00
Date Received: 03/04/20
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: L2009137
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009137-06
Client ID: CAN 1830 SHELF 56
Sample Location:

Date Collected: 03/04/20 09:00
Date Received: 03/04/20
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: L2009137
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009137-06
Client ID: CAN 1830 SHELF 56
Sample Location:

Date Collected: 03/04/20 09:00
Date Received: 03/04/20
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: L2009137
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009137-06
Client ID: CAN 1830 SHELF 56
Sample Location:

Date Collected: 03/04/20 09:00
Date Received: 03/04/20
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	89		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	85		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2009137
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009137-06
Client ID: CAN 1830 SHELF 56
Sample Location:

Date Collected: 03/04/20 09:00
Date Received: 03/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/04/20 20:01
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: L2009137
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009137-06
Client ID: CAN 1830 SHELF 56
Sample Location:

Date Collected: 03/04/20 09:00
Date Received: 03/04/20
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	0.050	--	ND	0.188	--		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	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2009137

Project Number: CANISTER QC BAT **Report Date:** 03/25/20

Air Canister Certification Results

Lab ID: L2009137-06
Client ID: CAN 1830 SHELF 56
Sample Location:

Date Collected: 03/04/20 09:00
Date Received: 03/04/20
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	87		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	85		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2009137
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009137-08
Client ID: CAN 3393 SHELF 58
Sample Location:

Date Collected: 03/04/20 09:00
Date Received: 03/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/04/20 21:17
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: L2009137
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009137-08
Client ID: CAN 3393 SHELF 58
Sample Location:

Date Collected: 03/04/20 09:00
Date Received: 03/04/20
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: L2009137
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009137-08
Client ID: CAN 3393 SHELF 58
Sample Location:

Date Collected: 03/04/20 09:00
Date Received: 03/04/20
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: L2009137
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009137-08
Client ID: CAN 3393 SHELF 58
Sample Location:

Date Collected: 03/04/20 09:00
Date Received: 03/04/20
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: L2009137
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009137-08
Client ID: CAN 3393 SHELF 58
Sample Location:

Date Collected: 03/04/20 09:00
Date Received: 03/04/20
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	88		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	84		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2009137
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009137-08
Client ID: CAN 3393 SHELF 58
Sample Location:

Date Collected: 03/04/20 09:00
Date Received: 03/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/04/20 21:17
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: L2009137
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009137-08
Client ID: CAN 3393 SHELF 58
Sample Location:

Date Collected: 03/04/20 09:00
Date Received: 03/04/20
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	0.050	--	ND	0.188	--		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	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2009137

Project Number: CANISTER QC BAT **Report Date:** 03/25/20

Air Canister Certification Results

Lab ID: L2009137-08
Client ID: CAN 3393 SHELF 58
Sample Location:

Date Collected: 03/04/20 09:00
Date Received: 03/04/20
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	86		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	84		60-140

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

Lab Number: L2009139
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009139-06
Client ID: CAN 1720 SHELF 8
Sample Location:

Date Collected: 03/06/20 09:00
Date Received: 03/06/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/07/20 20:10
Analyst: GP

	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: L2009139
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009139-06
Client ID: CAN 1720 SHELF 8
Sample Location:

Date Collected: 03/06/20 09:00
Date Received: 03/06/20
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: L2009139
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009139-06
Client ID: CAN 1720 SHELF 8
Sample Location:

Date Collected: 03/06/20 09:00
Date Received: 03/06/20
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: L2009139
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009139-06
Client ID: CAN 1720 SHELF 8
Sample Location:

Date Collected: 03/06/20 09:00
Date Received: 03/06/20
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: L2009139
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009139-06
Client ID: CAN 1720 SHELF 8
Sample Location:

Date Collected: 03/06/20 09:00
Date Received: 03/06/20
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	113		60-140
Bromochloromethane	115		60-140
chlorobenzene-d5	121		60-140

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

Lab Number: L2009139
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009139-06
Client ID: CAN 1720 SHELF 8
Sample Location:

Date Collected: 03/06/20 09:00
Date Received: 03/06/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/07/20 20:10
Analyst: GP

	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: L2009139
Report Date: 03/25/20

Air Canister Certification Results

Lab ID: L2009139-06
Client ID: CAN 1720 SHELF 8
Sample Location:

Date Collected: 03/06/20 09:00
Date Received: 03/06/20
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	0.050	--	ND	0.188	--		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	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2009139

Project Number: CANISTER QC BAT **Report Date:** 03/25/20

Air Canister Certification Results

Lab ID: L2009139-06
Client ID: CAN 1720 SHELF 8
Sample Location:

Date Collected: 03/06/20 09:00
Date Received: 03/06/20
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	110		60-140
bromochloromethane	113		60-140
chlorobenzene-d5	120		60-140

Project Name: MAIN + E. BALCOM BCP
Project Number: B0239-016-001

Lab Number: L2012213
Report Date: 03/25/20

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(*)
L2012213-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2012213-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2012213-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2012213-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2012213-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2012213-06A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2012213-07A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2012213-08A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	MAIN + E. BALCOM BCP	**Lab Number:**	L2012213
Project Number:	B0239-016-001	**Report Date:**	03/25/20

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.
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.

Footnotes

Report Format: Data Usability Report

Project Name:	MAIN + E. BALCOM BCP	**Lab Number:**	L2012213
Project Number:	B0239-016-001	**Report Date:**	03/25/20

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. 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.

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 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

Report Format: Data Usability Report

Project Name:	MAIN + E. BALCOM BCP	**Lab Number:**	L2012213
Project Number:	B0239-016-001	**Report Date:**	03/25/20

Data Qualifiers

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.

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
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; 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.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
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.**

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.

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

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

AIR ANALYSIS

CHAIN OF CUSTODY

PAGE 1 OF 1

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

Date Rec'd in Lab: 3/19/20

ALPHA Job #: L2012213

Client Information

Client: Turnkey Environmental
Address: 2558 Hamburg Turnpike
Buffalo NY 14218
Phone: 716-856-0599
Fax:
Email: Nmunley@bm-tk.com

❑ These samples have been previously analyzed by Alpha

Project Information

Project Name: Maint E. Balcom BCP.
Project Location: Buffalo NY
Project #: B0239-016-001
Project Manager:
ALPHA Quote #:

Turn-Around Time

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

Date Due: Time:

Report Information - Data Deliverables

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

Billing Information

❑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ❑

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
12213-01	SSV20-1	3/18/20	1430	752	-27.99	-14.51	Air	NAS/CB	5L	3311	0873	X	X				
-02	SSV20-2	↓	1435	730	-29.79	-8.60	↓	↓	5L	2713	0029	X	X				BCP Site
-03	SSV-20-BD		1440	754	-29.43	-12.83			5L	617	0044	X	X				please use
-04	Ambient 20-1		1430	750	-29.56	-15.53			5L	1540	01301	X	X				lowest detections
-05	Ambient 20-2		1435	728	-28.24	-0.31			2.7L	2382	01605	X	X				
-06	Ambient 20-3		1445	721	-29.73	-0.43			5L	1874	01576	X	X				
-07	Ambient 20-4		1440	725	-29.71	-14.33			5L	3272	01411	X	X				
-08	Outdoor 20-1	↓	1445	719	-30.17	-13.75	↓	↓	5L	3294	0083	X	X				

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

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
Carl Bell	3/18/20 815	Jm Ark AAL	3/18/20 13:30
Jm Ark AAL	3/18/20 14:00	[illegible]	3/19/20 02:35
T. [illegible]	3/19/20 0400	[illegible]	3/19/20 0400

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

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

APPENDIX D

TRANSFER DOCUMENTATION

HARRIS BEACH PLLC
ATTORNEYS AT LAW

726 EXCHANGE STREET, SUITE 1000
BUFFALO, NY 14210
(716) 200-5050

ROBERT G. MURRAY

DIRECT: (716) 200-5180
FAX: (716) 200-5201
BMURRAY@HARRISBEACH.COM

February 12, 2021

CERTIFIED MAIL

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7020

RE: **Recorded Notice of Transfer of Certificate of Completion**
Post Notification of Change in Ownership
Main and East Balcom Street Site, BCP Site ID No. C915306 ("BCP Site")
1661 Main Street, Buffalo, New York 14209

Dear Sir or Madam:

Enclosed please find a copy of the recorded Notice of Transfer of Certificate of Completion and filing receipt confirming recordation with the Erie County Clerk's Office for the BCP site so referenced, above. This correspondence is also being submitted to provide the required post-notification of change in ownership of the BCP Site.

Below is the name of the new Certificate of Completion holder and its contact information:

SCRE Mid-City, LLC
617 Main Street, Suite 2R
Buffalo, New York 14203
Phone: (716) 222-8468

Below is the new holder's representative and his contact information:

Nicholas Sinatra
SCRE Mid-City, LLC
617 Main Street, Suite 2R
Buffalo, New York 14203
Phone: (716) 222-8468

Should you require anything further, please contact me at 716-200-5180. Thank you.

Very truly yours

Robert G. Murray

RGM:kd
Enclosure

HARRIS BEACH PLLC
ATTORNEYS AT LAW

726 EXCHANGE STREET, SUITE 1000
BUFFALO, NY 14210
(716) 200-5050

ROBERT G. MURRAY

DIRECT: (716) 200-5180
FAX: (716) 200-5201
BMURRAY@HARRISBEACH.COM

January 12, 2021

CERTIFIED MAIL

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7020

RE: **Main and East Balcom Street Site (C915306)**

Dear Sir or Madam:

Enclosed please find the NYSDEC 60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership relative to the above listed site.

Very truly yours

Robert G. Murray

RGM:kd
Enclosure

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership
Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: Main and East Balcom Street Site **DEC Site ID No.** C915306

II. Contact Information of Person Submitting Notification:

Name: Nicholas Sinatra

Address1: 617 Main Street, Suite 2R

Address2: Buffalo, New York 14203

Phone: 716-222-8468 E-mail: nick@sinatraandcompany.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

- [x] Change in Ownership or Change in Remedial Party(ies)
- [x] Transfer of Certificate of Completion (CoC)
- [ ] Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 01/30/2021

IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

SCRE-Mid City, LLC is the name of the new owner and will provide the reports to the DEC.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: _____ (Signature) 10/30/2020 (Date)

Nicholas Sinatra
(Print Name)

Address1: 617 Main Street, Suite 2R

Address2: Buffalo, New York 14203

Phone: 716-222-8468 E-mail: nick@sinatraandcompany.com

VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☑ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: SCRE-Mid City, LLC

Address1: 617 Main Street, Suite 2R

Address2: Buffalo, New York 14203

Phone: 716-222-8468 E-mail: nick@sinatraandcompany.com

Certifying Party Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at http://www.dec.ny.gov/chemical/54736.html. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at http://www.dec.ny.gov/chemical/54736.html (see §375-1.9(f)).

Name: _____ (Signature)

12/7/22 (Date)

Nicholas Sinatra (Print Name)

Address1: 617 Main Street, Suite 2R

Address2: Buffalo, New York 14203

Phone: 716-222-8468 E-mail: nick@sinatraandcompany.com

ERIE COUNTY CLERK'S OFFICE

County Clerk's Recording Page

Return to:
BOX 138

Party 1:
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Party 2:
1665 MAIN STREET GROUP LLC

Book Type: D Book: 11374 Page: 1997
Page Count: 4
Doc Type: CT COMPLETION
Rec Date: 02/09/2021
Rec Time: 12:17:09 PM
Control #: 2021024629
UserID: Mary
Trans #: 21020869
Document Sequence Number

Recording Fees:

RECORDING	$40.00
COE CO $1 RET	$1.00
COE STATE $14.25 GEN	$14.25
COE STATE $4.75 RM	$4.75
MARKOFF FEE	$1.00

Consideration Amount:

BASIC MT	$0.00
SONYMA MT	$0.00
ADDL MT/NFTA	$0.00
SP MT/M-RAIL	$0.00
NY STATE TT	$0.00
ROAD FUND TT	$0.00

Total: $61.00

STATE OF NEW YORK
ERIE COUNTY CLERK'S OFFICE

WARNING – THIS SHEET CONSTITUTES THE CLERK'S ENDORSEMENT REQUIRED BY SECTION 319&316-a (5) OF THE REAL PROPERTY LAW OF THE STATE OF NEW YORK. DO NOT DETACH. THIS IS NOT A BILL.

Michael P. Kearns
Erie County Clerk

Box 138

NOTICE OF TRANSFER OF CERTIFICATE OF COMPLETION
Brownfield Cleanup Program
Pursuant to 6 NYCRR Part 375-1.9(f)

Main and East Balcom Street Site, Site ID No. C915306
1661 Main Street, Buffalo, NY 14209

PLEASE TAKE NOTICE, that pursuant to Article 27, title 14 of the Environmental Conservation Law and 6 NYCRR 375-1.9(f), 1665 Main Street Group, LLC hereby transfer(s) the Certificate of Completion (COC) issued by the Department of Environmental Conservation on December 24, 2019 for the site described below. Such COC was issued upon satisfaction of the Commissioner, following review by the Department of the final engineering report and data submitted pursuant to the Brownfield Cleanup Agreement, as well as any other relevant information regarding the Site, that the remediation requirements set forth in ECL Article 27, title 14 had been or would be achieved in accordance with the time frame, if any, established in the remedial work plan.

PLEASE TAKE NOTICE, that the *Main and East Balcom Street Site* is located at 1661 Main Street, Buffalo, and Erie County. The Site is bearing DEC site number: C915306 and is more fully described on Schedule A figures attached hereto. The Tax Map Identification Number(s) for the Site is: 100.24-4-14.1.

PLEASE TAKE NOTICE, that a Notice of Certificate of Completion for the Site was filed in the Erie County Clerk's Office on September 8, 2020 in Liber 11365 of Deeds at page 6333. ✓

PLEASE TAKE NOTICE, that on December 28, 2020, 1665 Main Street Group, LLC conveyed title to the Site to SCRE Mid-City, LLC by Deed recorded in the Erie County Clerk's Office in Liber 11371 of Deeds at page 8359, as corrected by a Correction Deed recorded in the Erie County Clerk's Office on January 6, 2021 in Liber 11372 of Deeds at page 3149. ✓

PLEASE TAKE NOTICE, 1665 Main Street Group, LLC hereby transfers the Certificate to the following new property owner(s) as provided for pursuant to Article 27, title 14 of the Environmental Conservation Law and 6 NYCRR 375-1.9(f):

SCRE Mid-City, LLC — 617 Main Street, Suite 2R, Buffalo, New York 14203
(New Property Owner) — *(Address)*

85-3865487
(Employer Identification Number)

Nicholas Sinatra — 617 Main Street, Suite 2R, Buffalo, New York 14203
Representative (if applicable) — *(Address)*

740-3-2

24629

PLEASE TAKE FURTHER NOTICE, that if there is an environmental easement for this site, that SCRE Mid-City, LLC recognize(s) and agree(s) to implement the Department-approved Site Management Plan, and any amendments thereto, and to fully comply with all restrictions and affirmative obligations contained therein as well as in the Environmental Easement for the Site.

WHEREFORE, the undersigned have signed this Notice of Transfer of Certificate of Completion as of this 25th day of January, 2021.

1665 MAIN STREET GROUP, LLC

Certificate holder

By: Sinatra & Company Real Estate LLC
Its: Managing Member
By: _____
Name: NICHOLAS A. SINATRA
Its: President and Manager

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

On the 26th day of January, in the year 2021, before me, the undersigned, personally appeared Nicholas Sinatra, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Lynn DiRienzo
Notary Public - State of New York

DiRienzo, Lynn
Notary Public, State of New York
Registration #01DI6371980
Qualified In Erie County
Commission Expires March 12, 2022

SCRE MID-CITY, LLC

New Property Owner

By: SCRE Mid-City Manager, LLC
Its: Manager
By: _____
Name: NICHOLAS A. SINATRA
Its: Manager

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

On the 26th day of January, in the year 2021, before me, the undersigned, personally appeared Nicholas Sinatra, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Lynn D'Rienzo
Notary Public - State of New York

DiRienzo, Lynn
Notary Public, State of New York
Registration #01DI6371980
Qualified In Erie County
Commission Expires March 12, 2022