NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Acting Commissioner

April 11, 2025

John Dalton
Crosman Corporation
7629 State Route 5 & 20
Bloomfield, New York 14469

Re: Site Management
Periodic Review Report
Crosman Corporation Site
Site No.: 835012
East Bloomfield (T), Ontario (C)

Dear Mr. Dalton,

The New York State Department of Environmental Conservation (Department) and the New York State Department of Health (NYSDOH) has completed a review of the Periodic Review Report (PRR) dated July 5th, 2024, and IC/EC Certification for following period: June 15, 2023, through June 15, 2024. The Department conditionally approves the PRR based on the modification and clarifications below.

1. The Department requests that the *Groundwater Parameter Log* form, for sampling with passive diffusion bags, be added to the Site's Site Management Plan (SMP), which should be revised and submitted to the Department for review and approval within 30 days following receipt of this letter.

2. With respect to the request for modification of the groundwater monitoring frequency, the Department declines the request to modify the frequency from semi-annually to annually at this time. Additional sampling events will need to be completed utilizing PDBs before the Department, with concurrence from NYSDOH project manager, will consider modification of the sampling frequency.

Your next PRR is due on July 15, 2025. You will receive a courtesy reminder letter and updated certification form 45-days prior to the end of the certifying period. Regardless of receipt or not of the reminder notice, the next PRR including the signed certification form, is still due on the date specified above.

If you have any questions or concerns regarding this letter or need further assistance with the Site, please feel free to contact me at (585) 226-5349 or via email at Joshua.Ramsey@dec.ny.gov.

Sincerely,

Joshua J. Ramsey
Project Manager

ec:
William Popham (Arcadis)
Aaron Richardson (Arcadis)
Thomas Walsh (Hiscock & Barclay)
Justin Deming (NYSDOH)
Anthony Perretta (NYSDOH)
Dudley Loew (NYSDEC)
David Pratt (NYSDEC)
Michael Ormanoski (NYSDEC)

Mr. Joshua Ramsey
New York State Department of Environmental Conservation
6274 Avon-Lima Road
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Arcadis of New York, Inc.
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Suite 1020
Rochester
New York 14604
Phone: 585 385 0090
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www.arcadis.com

Date: July 5, 2024
Our Ref: 30005202
Subject: Periodic Review Report
Crosman Corporation Site
East Bloomfield, New York

Dear Mr. Ramsey,

On behalf of Crosman Corporation and New Coleman Holdings, Inc. (collectively, Crosman), Arcadis of New York, Inc. has prepared the attached Periodic Review Report (PRR) in accordance with the approved Site Management Plan and Declaration of Covenants and Restrictions for the Crosman site located in East Bloomfield, New York.

The PRR documents the remedial activities completed at the Crosman site between June 15, 2023 and June 15, 2024, and follows the form of Crosman's previously submitted PRRs.

If you have any questions, please contact me at 585.662.4024.

Sincerely,
Arcadis of New York, Inc.

Aaron Richardson
Senior Environmental Engineer

Email: aaron.richardson@arcadis.com
Direct Line: 585.662.4024

CC. David Pratt, New York State Department of Environmental Conservation
Justin Deming, New York State Department of Health
Charles J. Sgro, MacAndrews & Forbes Holdings, Inc.
Ed Mammone, MacAndrews & Forbes Holdings, Inc.
Allie LeBlanc, MacAndrews & Forbes Holdings, Inc.
Thomas F. Walsh, Esq., Barclay Damon, LLP
Gina Thomas, Velocity Outdoor
William B. Popham, Arcadis of New York, Inc.

Enclosures:
Attachment 1

Crosman Corporation and MacAndrews & Forbes Holdings, Inc.

Periodic Review Report for 2023-2024

Crosman Corporation Site
East Bloomfield, New York

July 2024

Periodic Review Report for 2023-2024

Crosman Corporation Site, East Bloomfield, New York

July 2024

Prepared By:
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Prepared For:
Crosman Corporation and MacAndrews & Forbes Holdings, Inc.

Our Ref:
30005202

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Certification

For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

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

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class “A” misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Joseph Molina III, P.E., of Arcadis of New York, Inc., am certifying as Crosman’s Designated Site Representative.

JOSEPH MOLINA III, P.E.

DATE: JULY 5, 2024

1 Introduction/Background

On behalf of Crosman Corporation and MacAndrews & Forbes Holdings, Inc. (collectively, Crosman), Arcadis of New York, Inc. (Arcadis) has prepared this Periodic Review Report for 2023-2024 (PRR) to summarize the remedial activities conducted between June 15, 2023 and June 15, 2024 at the Crosman Corporation Site, designated site #835012, located in East Bloomfield, New York (Site). Previous regulatory documents, including the 1993 Administrative Order on Consent (New York State Department of Environmental Conservation [NYSDEC] 1993); 1997 Record of Decision (NYSDEC 1997); and 1998 Administrative Order on Consent (NYSDEC 1998), as well as separate requests for a vapor intrusion investigation (NYSDEC 2012) and a sub-slab depressurization system (SSDS) (NYSDEC 2014), have required Site activities, including the following:

Past installation and former operation of a groundwater pump and treatment system

Past installation and former operation of a soil vapor extraction (SVE) system

Groundwater monitoring

Installation and operation of an SSDS at the Site.

Termination of the groundwater pump and treat system (which operated from 1995 to 1999) and the SVE system (which operated in the east side source area from 1998 to 2001) were previously approved by the NYSDEC.

The Site currently operates under the approved Site Management Plan (SMP; Arcadis 2021) and Declaration of Covenants and Restrictions (Deed Restriction). On August 2, 2021, the NYSDEC approved the April 2021 SMP, and the Deed Restriction was executed on May 4, 2020. Once the SMP and Deed Restriction were in place, the NYSDEC reclassified the Site to a Class 4 site in June 2022. As defined in 6 New York Codes of Rules and Regulations Part 375-2.7(b)(3)(iv), "*a class "4" site is one that has been properly closed but that requires continued site management consisting of operation, maintenance and monitoring.*"

Activities conducted during the current reporting period include semi-annual groundwater monitoring and continued operation of the SSDS, which are described herein. In addition, Crosman has continued the operation of pumping well PW-1 as part of its manufacturing activities.

2 Institutional Controls

The Institutional Controls (ICs) established for the Site are embodied in the Deed Restriction, which was executed on May 4, 2020 and recorded with the Ontario County Clerk on May 13, 2020 at Book 01450, Page 0324, of Deeds (Appendix A). The Deed Restriction includes restrictions on the usage of the property to commercial and industrial uses; compliance with the approved SMP; and conducting routine inspections of ICs and Engineering Controls (ECs).

2.1 Property Usage

The Site continued to be used for industrial purposes during the current reporting period (between June 15, 2023 and June 15, 2024).

2.2 Deed Restriction

The Deed Restriction includes a metes and bounds description of the restricted property, as measured in the instrument survey prepared by Fisher Associates, P.E., L.S. on October 27, 2018. The Deed Restriction was reviewed and approved by the NYSDEC before execution and is attached to the SMP.

2.3 Inspections of Engineering Controls

As further described in Section 3, ECs at the Site include operation of the SSDS and maintenance of the concrete floor, which serves as a cover system over remaining soil contamination at two locations. This includes one location on the western side of the building designated as “Area 1 Affected by SSDS Engineering Control” and a second location on the eastern side of the building designated as “Area 2 Affected by SSDS Engineering Control”. All ECs remained in effect during the current reporting period. The SSDS was inspected on a monthly basis, as documented on the inspection forms included in Appendix B. The concrete cover system was inspected as part of the annual site-wide inspection on December 7, 2023, as documented on the Site Inspection Form included in Appendix C.

3 Engineering Controls

In accordance with the NYSDEC's requests and/or requirements, continued operation of the SSDS, and maintenance of the concrete floor cover system were the ECs at the Site between June 15, 2023 and June 15, 2024.

3.1 Sub-Slab Depressurization System

As detailed in the Construction Completion Report (Arcadis 2017), the SSDS was installed and operational at the Site starting in July 2016.

3.1.1 System Operation

During the current reporting period (between June 15, 2023 and June 15, 2024), the only downtime experienced by the system was limited to relatively short periods related to routine operation and maintenance activities and short periods where the system was down due to power outages. Between September 7, 2023 and September 13, 2023, the system was also down due to the storage limit of the programmable logic controller being reached, causing the operating program to be inadvertently wiped from the programmable logic controller. Unneeded historical data was removed to create storage space, allowing the operating program to be re-installed, and the system was restarted on September 13, 2023.

Following each period of downtime, the system was restarted in accordance with the Sub-Slab Depressurization System Operation, Maintenance, and Monitoring Plan, including monitoring the system until it reached a steady-state and confirming that system parameters were within normal operating ranges. An Alarm Response Log was completed upon restarting the system following each alarm condition (Appendix B). The system has been operational 94% of the time for the current reporting period, and other than power outages, no issues that potentially could cause extended downtime were identified.

The treatment portion of the SSDS initially consisted of four 1,000-pound granular-activated carbon (GAC) units and was designed with the ability to pull extracted soil vapor through each GAC unit in series. The vapors being pulled through the system are monitored on a monthly basis at sample points between each GAC unit to monitor for breakthrough.

As reported in previous PRRs, in September 2020, the overall system, including documented influent and effluent concentrations, were re-evaluated and re-modeled using the AERSCREEN modeling system. The modeling output indicated that the system could direct discharge without treatment through GAC and still meet Division of Air Resources-1 short-term and long-term guideline concentrations. This information was provided to the NYSDEC on September 21, 2020 and agreed to by the NYSDEC in an October 9, 2020 email that carbon treatment could be removed from the SSDS (Appendix D). However, while no longer required, the GAC units remained online as an added safety measure throughout the current reporting period.

3.1.2 System Effectiveness

During the current reporting period, monitoring of the SSDS was conducted on a monthly basis, at a minimum. Monthly monitoring was performed to document the effectiveness of the system and included recording sub-slab vacuum pressures and collecting and analyzing soil vapor samples collected throughout the system.

3.1.2.1 Sub-Slab Vacuum Monitoring

Arcadis recorded instantaneous sub-slab differential pressure readings on a monthly basis from the area surrounding the two sub-slab depressurization sump points. With the system operating, instantaneous sub-slab differential pressures were measured using micromanometers capable of measuring to the nearest 0.001 inch of water column at vacuum monitoring points (VMPs) installed by Arcadis. Figure 1 shows the VMP locations. Table 1 summarizes the results and shows that vacuum is being observed throughout the target depressurization area.

As a result of changes to Site operations, including the installation of new (above-slab) equipment, VMP-1, VMP-5, and VMP-10 were no longer accessible; therefore, each location was removed and permanently sealed with hydraulic cement on January 19, 2024. Because the remaining VMPs can be used to demonstrate that the design radius of influence continues to be achieved, new VMPs were not installed.

3.1.2.2 System Vapor Sampling

Arcadis collected soil vapor samples from the influent (both individual SSDS extraction points and the combined influent) and effluent of the SSDS, with the system operating on December 7, 2023 and May 3, 2024. Grab samples were collected using laboratory-provided 1-liter Summa canisters. The Summa canisters were submitted to Eurofins TestAmerica Laboratories in Burlington, Vermont and analyzed for volatile organic compounds (VOCs) using United States Environmental Protection Agency Method TO-15. Table 2 summarizes the results and shows that chlorinated VOCs, primarily trichloroethene (TCE), continue to be effectively removed through the SSDS.

As evidenced by the calculations presented in Table 3, TCE mass continues to be effectively removed by the SSDS. The SSDS removed 2.10 kilograms of TCE during the current reporting period with a total of 207.2 kilograms being removed since the system became operational.

The System Monitoring Log; Performance Monitoring Log; and Monthly Operation, Maintenance, and Monitoring Checklist completed each month for the SSDS are included in Appendix B, and the laboratory analytical reports for each sampling event are included in Appendix E. The laboratory data collected during the December 7, 2023 and May 3, 2024 SSDS monitoring events will be uploaded to the NYSDEC EQuIS database concurrently with submittal of this PRR.

3.2 Operation of Pumping Well PW-1

Although not an EC for the Site, pumping well PW-1 continues to be operated to supply non-contact cooling water to Crosman's manufacturing processes. PW-1 has been demonstrated to maintain hydraulic control over the Site, even during periods of extended downtime, thereby containing the plume of groundwater contamination at the Site. Manufacturing operations at the Site continue to utilize the water generated by PW-1 for non-contact cooling water in its manufacturing processes.

Groundwater elevation contours were recorded during the groundwater monitoring events in October 2023 and April 2024, with each event continuing to show a depression around pumping well PW-1, providing continuing evidence that the long-term history of pumping at this location continues to positively influence groundwater dynamics at the Site.

There were no significant periods of downtime during the current reporting period. The current and continued planned operation of pumping well PW-1 at the Site continues to provide control of the groundwater plume for the foreseeable future.

Pumping well PW-1 will continue to be monitored as part of the long-term groundwater monitoring for the Site, and this PRR and future PRRs will include a report on its continued operation and effectiveness in providing control of the groundwater plume.

3.3 Concrete Cover System

As discussed in the SMP, the concrete floor serves as a cover system over remaining soil contamination identified at the western end of the building and around the SSDS extraction point on the eastern side of the facility. The concrete comprising the cover system is identified on the survey on the western side of the building as “Area 1 Affected by SSDS Engineering Control” and on the eastern side of the building as “Area 2 Affected by SSDS Engineering Control”. During the annual site-wide inspection conducted on December 7, 2023, the concrete floor cover system in this area was inspected and found to be acceptable. The Site Inspection Form is included as Appendix C.

4 Additional Site Reporting

4.1 Groundwater Sampling

Routine groundwater sampling was conducted semi-annually during the current reporting period, with sampling events conducted on October 13, 2023 and April 18, 2024. As documented in the Semiannual Groundwater Monitoring and Reporting letter reports (Arcadis 2023, 2024), the results of all routine sampling events continued to show that the plume is not migrating offsite. Results of the recent groundwater sampling events, as well as the results of previous groundwater sampling events, are provided in Table 4 and shown on Figure 2, with the laboratory analytical reports and sampling forms for each event included in Appendix F. The laboratory data collected during the October 13, 2023 and April 18, 2024 groundwater sampling events were uploaded to the NYSDEC EQuIS database on December 2, 2023 and May 30, 2024, respectively.

As initially proposed to the NYSDEC in a November 23, 2022 email, and agreed to by the NYSDEC in a December 2, 2022 email (Appendix D), groundwater sampling at the Site was switched from bailers to passive diffusion bag (PDB) samplers. PDB samplers were first used for the April 2023 sampling event, and have been utilized for each sampling event since that time.

4.2 State Pollutant Discharge Elimination System Monitoring and Reporting

The Crosman facility continued to perform monthly State Pollutant Discharge Elimination System (SPDES) monitoring of Outfall Number 001. In accordance with the SPDES permit (#NY-0103039), monthly sampling included collecting a sample from the outfall and analyzing for VOCs, temperature, and pH. SPDES samples collected during the current reporting period were below the method detection limit of 2 parts per billion TCE, and therefore, were well below the discharge limits of 10 parts per billion TCE, as well as below 90 degrees Fahrenheit (temperature) and within the pH range of 6.0 to 9.0 standard units. Copies of the Discharge Monitoring Reports for the current reporting period are included in Appendix G.

5 Summary and Recommendations

Monitoring (and sampling) of the SSDS continues to show that TCE concentrations in sub-slab soil vapor continue to be effectively removed through the SSDS. Sampling of groundwater at the Site during the current reporting period continued to show an overall stable to decreasing historical trend in contaminant concentrations, with monitoring at the Site perimeter continuing to show that the contaminant plume is not migrating offsite.

As documented within this PRR, and within the Institutional and Engineering Controls Certification Form (Appendix H), the inspections conducted and sample results collected during the current reporting period show that the ICs and ECs in place for the Site are in compliance with and are effectively meeting the remedial action objectives established for the Site.

It is recommended that the ICs and ECs in place during the current reporting period be maintained going forward. Due to the long history of stable to decreasing contaminant concentrations in groundwater, it is recommended that groundwater sampling frequency be reduced from semi-annually to annually, with sampling conducted at monitoring wells MW-3A, MW-4, MW-5, MW-13, MW-14, MW-15, MW-17, MW-18, MW-19, and MW-20, and pumping well PW-1 conducted in April of each year.

6 References

Arcadis. 2017. Construction Completion Report. Crosman Corporation. January 27.

Arcadis. 2021. Site Management Plan. Crosman Corporation. April 13.

Arcadis. 2023. Semiannual Groundwater Monitoring Report. Crosman Corporation. November 13.

Arcadis. 2024. Semiannual Groundwater Monitoring Report. Crosman Corporation. May 20.

NYSDEC. 1993. Administration Order on Consent. Index #B8-0404-92-04. October 1993.

NYSDEC. 1997. Record of Decision. March 25, 1997.

NYSDEC. 1998. Administration Order on Consent. Index #B8-0404-92-04. October 1993.

NYSDEC. 2012. Comment Letter to Soil Vapor Intrusion Evaluation. November 28.

NYSDEC. 2014. Comment Letter to West-side Soil Boring Assessment September 2014 and Draft On-Site Soil Vapor Intrusion Assessment Results March 2014. October 22.

NYSDEC. 2021. Approval of the Site Management Plan. Crosman Corporation.

Tables

Table 1
Sub-Slab Vacuum Monitoring
Periodic Review Report
Crosman Corporation
East Bloomfield, New York

Date	Time	Sub-Slab Differential Pressure (in.wc)											
		SDS-1 Area						SDS-2 Area					
		VMP-1	VMP-2	VMP-3	VMP-4	VMP-5	VMP-6	VMP-7	VMP-8	VMP-9	VMP-10	VMP-11	VMP-12
7/7/2023	9:00	-7.686	-0.034	-0.741	-0.017	-0.048	-0.062	-0.009	-0.378	-0.074	-0.052	-0.242	NA[1]
8/4/2023	9:00	-8.101	-0.035	-0.791	-0.019	-0.050	-0.060	-0.007	-0.379	-0.065	-0.045	-0.223	NA[1]
9/22/2023	9:00	-9.705	-0.033	-0.923	-0.022	-0.059	-0.066	-0.015	-0.388	-0.042	NA[2]	NA[2]	NA[1]
10/13/2023	9:00	-9.747	-0.031	-0.953	-0.023	-0.060	-0.057	-0.011	-0.407	NA[2]	-0.039	NA[2]	NA[1]
11/3/2023	8:30	-9.661	-0.023	-0.954	-0.025	-0.061	-0.016	-0.009	-0.400	-0.046	-0.035	-0.258	NA[1]
12/7/2023	10:00	-9.620	-0.020	-0.962	-0.026	-0.061	-0.005	-0.006	-0.330	-0.026	-0.018	NA[2]	NA[1]
1/5/2024	9:00	-9.830	-0.023	-0.999	-0.025	-0.067	-0.020	-0.012	-0.360	-0.019	-0.014	-0.258	NA[1]
2/1/2024	9:00	NA[1]	-0.021	-1.059	-0.015	NA[1]	-0.033	-0.005	-0.375	-0.013	NA[1]	-0.388	NA[1]
3/6/2024	9:00	NA[1]	-0.025	-0.971	-0.020	NA[1]	-0.027	-0.007	-0.397	-0.016	NA[1]	-0.423	NA[1]
4/5/2024	9:00	NA[1]	-0.022	-1.000	-0.021	NA[1]	-0.026	-0.011	-0.368	-0.012	NA[1]	-0.409	NA[1]
5/3/2024	8:30	NA[1]	-0.026	-0.968	-0.022	NA[1]	-0.033	-0.003	-0.368	-0.017	NA[1]	-0.405	NA[1]
6/7/2024	9:00	NA[1]	-0.031	-0.876	-0.019	NA[1]	-0.035	-0.002	-0.415	-0.018	NA[1]	-0.372	NA[1]

Notes:

in.wc = inches of water column

SDS = sub-slab depressurization sump

VMP = vacuum monitoring point

NA[1] = no data collected; sample point was abandoned

NA[2] = no data collected; sample point was inaccessible

Table 2
Soil Vapor Sampling Results
Periodic Review Report
Crosman Corporation
East Bloomfield, New York

Sample ID	SDS-1		SDS-2		Pre-VPGAC-101		Pre-VPGAC-104		Post-Dilution-EFF		Post-Blower/ Effluent	
Location	SDS-1 Influent		SDS-2 Influent		Combined Influent		Between VPGAC 103 and		Between VPGAC 104 and		Effluent	
Sample Collection Date	12/7/2023	5/3/2024	12/7/2023	5/3/2024	12/7/2023	5/3/2024	12/7/2023	5/3/2024	12/7/2023	5/3/2024	12/7/2023	5/3/2024
Analyte	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,1,1-Trichloroethane	11 U	44 U	11 U	22 U	11 U	22 U	22 U	11 U	11 U	11 U	11 U	11 U
1,1,2,2-Tetrachloroethane	14 U	55 U	14 U	27 U	14 U	27 U	27 U	14 U	14 U	14 U	14 U	14 U
1,1-Dichloroethane	8.3 U	32 U	8.1 U	16 U	8.1 U	16 U	16 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U
1,1-Dichloroethene	1.4 U	5.6 U	1.4 U	2.8 U	1.4 U	2.8 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Acetone	52 J	480 U	210	240 U	100 J	240 U	320	120 U	73 J	120 U	120 U	120 U
Benzene	6.5 U	26 U	6.4 U	13 U	6.4 U	13 U	13 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U
Bromoform	21 U	83 U	21 U	41 U	21 U	41 U	41 U	21 U	21 U	21 U	21 U	21 U
Carbon tetrachloride	2.2 U	8.8 U	2.2 U	4.4 U	2.2 U	4.4 U	4.4 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Chlorobenzene	9.4 U	37 U	9.2 U	18 U	9.2 U	18 U	18 U	9.2 U	9.2 U	9.2 U	9.2 U	9.2 U
cis-1,2-Dichloroethene	4.1	7.9 U	120	56	80	44	100	89	50	41	56	16
m,p-Xylene	22 U	87 U	22 U	43 U	22 U	43 U	43 U	22 U	22 U	22 U	22 U	22 U
Methylene Chloride	18 U	69 U	17 U	35 U	17 U	35 U	35 U	17 U	17 U	17 U	17 U	17 U
Tetrachloroethene	7 J	6 J	11 J	6.9 J	9.8 J	7 J	27 U	14 U	14 U	14 U	14 U	14 U
Toluene	7.7 U	30 U	2.6 J	15 U	7.5 U	15 U	15 U	7.5 U	7.5 U	4.7 J	7.5 U	7.5 U
trans-1,2-Dichloroethene	0.98 J	32 U	7.9 U	16 U	1.8 J	16 U	16 U	1.8 J	7.9 U	7.9 U	7.9 U	7.9 U
Trichloroethene	7800 D	9800 D	7400 D	4800 D	8100 D	5200 D	16000 D	2300 D	560	1700	820	740
Vinyl chloride	2 U	8 U	2 U	4 U	2 U	4 U	4 U	2 U	2 U	2 U	2 U	2 U
Xylene, o-	8.9 U	35 U	8.7 U	17 U	8.7 U	17 U	17 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U
Total VOCs [(3)]	**7,864.08 DJ**	**9,806 DJ**	**7,743.6 DJ**	**4,862.9 DJ**	**8,291.6 DJ**	**5,251 DJ**	**16,420 D**	**2,390.8 DJ**	**683 J**	**1,745.7 J**	**876**	**756**

Notes:
1) Samples analyzed for VOCs by USEPA Method TO-15.
2) All concentrations are in µg/m^3.
3) Total VOCs shown include estimated concentrations (e.g., concentrations with "J" laboratory qualifiers).
4) Sampling performed semi-annually.

B = compound was found in the blank and sample
ID = identification
J = Result is less than the reporting limit but greater than or equal to the method detection limit, and the concentration is an approximate value.
NA = not analyzed (Summa canister lost vacuum, sample was not analyzed)
SDS = sub-slab depressurization sump
U = Indicates the analyte was analyzed for but not detected.
µg/m^3 = microgram per cubic meter
USEPA = United States Environmental Protection Agency
VOC = volatile organic compound
VPGAC = vapor-phase granular-activated carbon

Table 3
VOC Mass Removal Estimate
Periodic Review Report
Crosman Corporation
East Bloomfield, New York

Sample Date	Period[a]				Influent VOCs (µg/m^3)[c]	Flow Rate Used for Mass Removal Rate Calculation (scfm)[d]			Mass Removal Rate at End of Period (grams/day)	Mass Removal Rate Assigned for Period (grams/day)[e]	Mass Removed Per Period (kg)	Cumulative Mass Removed Since Startup (kg)[f]
	Start Date	End Date	Duration (days)	Uptime (%)[b]		SDS-1	SDS-2	Combined Influent				
12/7/2023	6/5/23	12/7/23	184.625	96.2%	8,290.8	12.5	12.1	25	8.3	6.9	1.22	206.3
5/3/2024	12/7/23	5/3/24	147.583	91.4%	5,295.0	10.7	11.2	22	4.7	6.5	0.88	207.2

Notes:

[a] Time periods shown for each sample date begin at previous sample date and end at current sample date.

[b] Uptime percentage calculated using system runtime readings from system's human machine interface.

[c] Sum of VOCs are based on system vapor sample laboratory analytical results from respective sample date. Combined influent laboratory analytical data have been used for mass removal rate calculations.

[d] Flow rates utilized for mass removal rate calculations obtained by measuring air velocity from the individual extraction points using a handheld anemometer.

[e] Mass removal rates have been calculated for each sampling date using laboratory analytical data and system flow rates. Representative mass removal rates have been assigned to each time period (i.e., between sampling dates) by averaging the respective mass removal rates from the start and end of the time period.

[f] Cumulative mass removed through June 2023 reporting period was 205.1 kg.

- = not applicable

% = percent

kg = kilogram

scfm = standard cubic feet per minute

SDS = sub-slab depressurization sump

µg/m^3 = microgram per cubic meter

VOC = volatile organic compound

Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-3A									
Date Sampled	22-Apr-15	18-Apr-16	19-Apr-17	3-Apr-18	23-Apr-19	21-Apr-20	30-Apr-21	12-Apr-22	7-Apr-23	18-Apr-24
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	250	350	260	190	130	220 D	200	220	46	150
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-4									
Date Sampled	29-Oct-14	22-Apr-15	21-Oct-15	18-Apr-16	26-Oct-16	19-Apr-17	17-Oct-17	3-Apr-18	26-Oct-18	23-Apr-19
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-4									
Date Sampled	31-Oct-19	21-Apr-20	28-Oct-20	30-Apr-21	25-Oct-21	12-Apr-22	26-Oct-22	7-Apr-23	13-Oct-23	18-Apr-24
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-5									
Date Sampled	**29-Oct-14**	**22-Apr-15**	**21-Oct-15**	**18-Apr-16**	**26-Oct-16**	**19-Apr-17**	**17-Oct-17**	**3-Apr-18**	**26-Oct-18**	**23-Apr-19**
Volatiles										
Acetone	-	-	-	-	-	-	-	-	12	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	8.8	17	15	14	9.4	8.8	9.6	11	8.0	9.5
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8.7	5.7	6.4	-	6.1	5.0	17	11	11	9.5
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-5									
Date Sampled	31-Oct-19	21-Apr-20	28-Oct-20	30-Apr-21	25-Oct-21	12-Apr-22	26-Oct-22	7-Apr-23	13-Oct-23	18-Apr-24
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	9.4	8.5	8.3	6.7	21	20	13	22	20	22
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	9.1	7.8	6.8	6.7	-	-	5.3	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-13									
Date Sampled	29-Oct-14	22-Apr-15	21-Oct-15	18-Apr-16	26-Oct-16	19-Apr-17	17-Oct-17	3-Apr-18	26-Oct-18	23-Apr-19
Volatiles										
Acetone	-	-	-	-	-	-	-	-	16	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	29	-	13	16	-	-	15	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	190	180	400 D	130	96	250 D	110	51	140	34
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-13									
Date Sampled	31-Oct-19	21-Apr-20	28-Oct-20	30-Apr-21	25-Oct-21	12-Apr-22	26-Oct-22	7-Apr-23	13-Oct-23	18-Apr-24
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	19	32	-	7.6	5.1	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	58	340 D	29	-	140	130	160	96	130	80
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-14									
Date Sampled	29-Oct-14	22-Apr-15	21-Oct-15	18-Apr-16	26-Oct-16	19-Apr-17	17-Oct-17	3-Apr-18	26-Oct-18	23-Apr-19
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-14									
Date Sampled	31-Oct-19	21-Apr-20	28-Oct-20	30-Apr-21	25-Oct-21	12-Apr-22	26-Oct-22	7-Apr-23	13-Oct-23	18-Apr-24
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	15	-	7.3	11	6.6	-	9.9	-
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-15									
Date Sampled	29-Oct-14	22-Apr-15	21-Oct-15	18-Apr-16	26-Oct-16	19-Apr-17	17-Oct-17	3-Apr-18	26-Oct-18	23-Apr-19
Volatiles										
Acetone	-	-	-	-	-	-	-	-	15	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-15									
Date Sampled	31-Oct-19	21-Apr-20	28-Oct-20	30-Apr-21	25-Oct-21	12-Apr-22	26-Oct-22	7-Apr-23	13-Oct-23	18-Apr-24
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-17									
Date Sampled	22-Apr-15	18-Apr-16	19-Apr-17	3-Apr-18	23-Apr-19	21-Apr-20	30-Apr-21	12-Apr-22	7-Apr-23	18-Apr-24
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	15	-	-	-	-	17
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	400	340	500 D	470	440	440	350	390	230	240
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-18									
Date Sampled	22-Apr-15	18-Apr-16	19-Apr-17	3-Apr-18	23-Apr-19	21-Apr-20	30-Apr-21	12-Apr-22	7-Apr-23	18-Apr-24
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

Notes on page 18.

Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-19									
Date Sampled	22-Apr-15	18-Apr-16	19-Apr-17	3-Apr-18	23-Apr-19	21-Apr-20	30-Apr-21	12-Apr-22	7-Apr-23	18-Apr-24
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

Notes on page 18.

Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	PW-1									
Date Sampled	29-Oct-14	27-Apr-15	21-Oct-15	18-Apr-16	26-Oct-16	19-Apr-17	3-Apr-18	26-Oct-18	23-Apr-19	31-Oct-19
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	110	69	98	79	92	41	14	22	15	15
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

Notes on page 18.

Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	PW-1								
Date Sampled	**21-Apr-20**	**28-Oct-20**	**30-Apr-21**	**25-Oct-21**	**12-Apr-22**	**26-Oct-22**	**7-Apr-23**	**13-Oct-23**	**18-Apr-24**
Volatiles									
Acetone	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-
Trichloroethene	14	42	37	23	11	35	19	55	28
Toluene	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-

Notes on page 18.

Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-20									
Date Sampled	22-Apr-15	18-Apr-16	19-Apr-17	3-Apr-18	23-Apr-19	21-Apr-20	30-Apr-21	12-Apr-22	7-Apr-23	18-Apr-24
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1 - Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2 - Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methlyene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	110	120	160	120	150	180	92	150	23	100
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

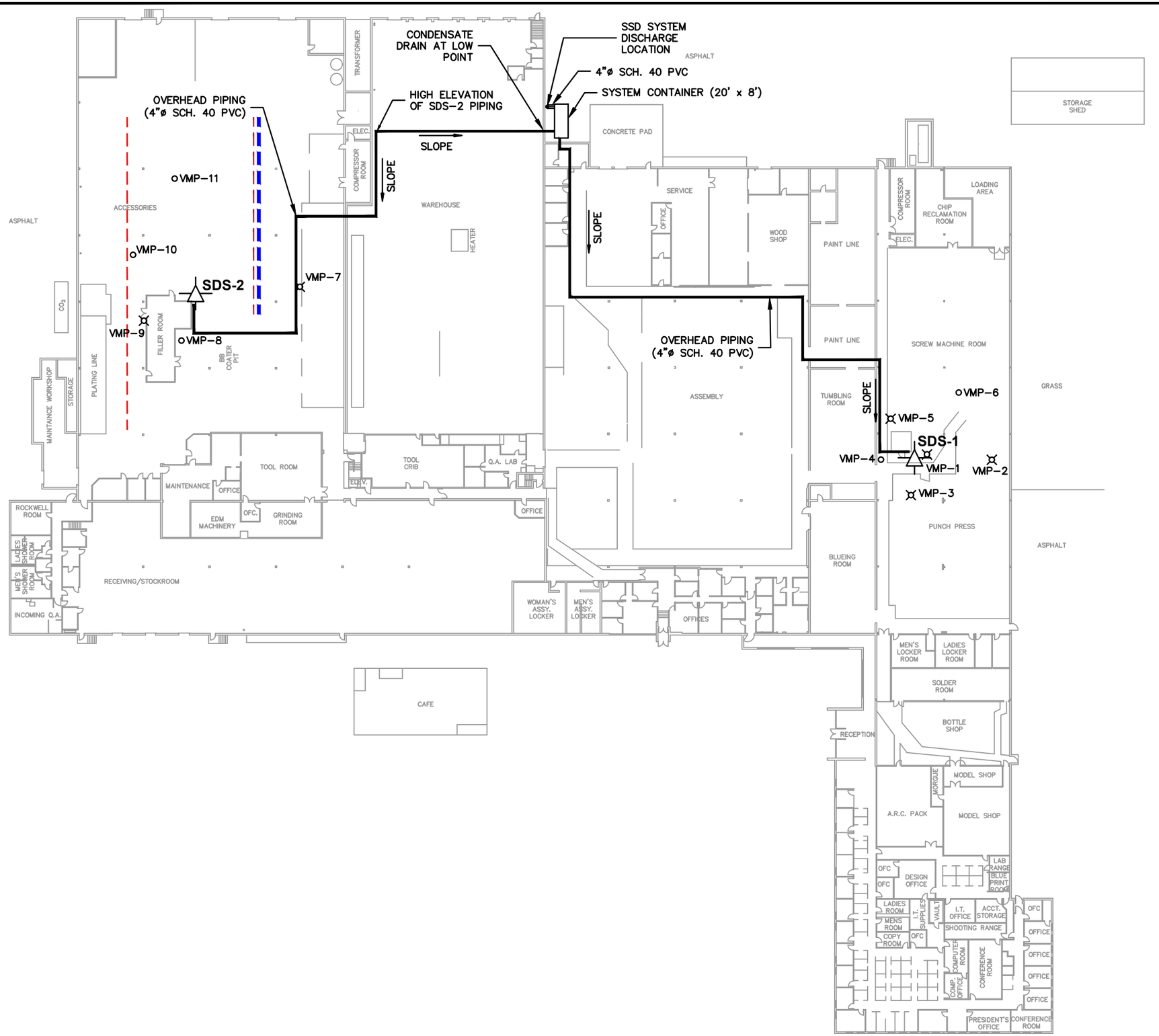
Notes on page 18.

Table 4
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

J :	The compound was positively identified; however, the associated numerical value is an estimated concentration.
N :	Spiked sample recovery was not within control limits.
S :	The reported value was determined by the method of standard additions (MSA).
D :	Denotes a secondary dilution.
E :	Exceeds calibration range.
NA :	Denotes not analyzed.
- :	Denotes a nondetectable concentration.

Water quality results are expressed in micrograms per liter (µg/L), equivalent to parts per billion.

Figures



LEGEND:

- SSD SYSTEM EXTRACTION POINT
- SSD MONITORING POINT
- OVERHEAD SSD EXTRACTION PIPING
- SSD SYSTEM DISCHARGE PIPING
- RELOCATED SSD MONITORING POINT
- APPROXIMATE LOCATION OF CONCRETE-FILLED TRENCH
- APPROXIMATE LOCATION OF ABANDONED TRENCH

NOTES:

1. BASE MAP SUPPLIED BY CROSMAN CORPORATION, DRAWING FACILITY-3-14-08, DATED 3/14/2008.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. ALL LOCATIONS ARE APPROXIMATE.
4. THE SSD SYSTEM IS DESIGNED TO ACHIEVE A 40' RADIUS OF INFLUENCE AT SDS-1 AND 60' RADIUS OF INFLUENCE AT SDS-2.
5. SSD EXTRACTION PIPING SLOPED AS INDICATED TO PROMOTE DRAINAGE OR COLLECTION OF POTENTIALLY ACCUMULATED WATER.
6. LAND SURFACE AT SYSTEM CONTAINER LOCATION IS ASPHALT. CONTAINER LEVELED AS NEEDED USING STEEL SHIMS.
7. SSD SYSTEM DISCHARGE PIPING STACK EXTENDS TO 3 FEET ABOVE ROOFLINE.

0 60' 120'

GRAPHIC SCALE

CROSMAN CORPORATION SITE
EAST BLOOMFIELD, NEW YORK

SSDS AND VACUUM MONITORING POINT LOCATIONS

ARCADIS

FIGURE 1

CITY:SYRACUSE-NY DIV/GROUP:ENVCAD DB:G.STEINBERGER LD: PIC: PM: TM:D.ZUCK LYR:ON=*;OFF=*REF*
C:\Users\ekrahmer\ACCDocs\Arcadis\AUS-NEW COLEMAN HOLDINGS-CROSMAN CORPORATION-BLOOMFIELD New York\Project Files\2023\01-In Progress\01-DWG\PRR-FIG01-EXTRACTION-PTS.dwg LAYOUT: 1 SAVED: 6/9/2023 10:21 AM ACADVER: 24.2S (LMS TECH) PAGESETUP: ----
PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 6/9/2023 11:00 AM BY: KRAHMER, ERIC
XREFS: PROJECTNAME: ----
IMAGES:
SMP-X-TITLE SHEET
PRR-X-BASEMAP1

MW-5				
Oct-14	Apr-15	Oct-15	Apr-16	Oct-16
8.7	5.7	6.4	ND	6.1
Apr-17	Oct-17	Apr-18	Oct-18	Apr-19
5.0	17	11	11	9.5
Oct-19	Apr-20	Oct-20	Apr-21	Oct-21
9.1	7.8	6.8	6.7	ND
Apr-22	Oct-22	Apr-23	Oct-23	Apr-24
ND	5.3	ND	ND	ND

MW-15				
Oct-14	Apr-15	Oct-15	Apr-16	Oct-16
ND	ND	ND	ND	ND
Apr-17	Oct-17	Apr-18	Oct-18	Apr-19
ND	ND	ND	ND	ND
Oct-19	Apr-20	Oct-20	Apr-21	Oct-21
ND	ND	ND	ND	ND
Apr-22	Oct-22	Apr-23	Oct-23	Apr-24
ND	ND	ND	ND	ND

MW-14				
Oct-14	Apr-15	Oct-15	Apr-16	Oct-16
ND	ND	ND	ND	ND
Apr-17	Oct-17	Apr-18	Oct-18	Apr-19
ND	ND	ND	ND	ND
Oct-19	Apr-20	Oct-20	Apr-21	Oct-21
ND	ND	15	ND	7.3
Apr-22	Oct-22	Apr-23	Oct-23	Apr-24
11	6.6	ND	9.9	ND

MW-20				
Apr-15	Apr-16	Apr-17	Apr-18	Apr-19
110	120	160	120	150
Apr-20	Apr-21	Apr-22	Apr-23	Apr-24
180	92	150	23	100

MW-13				
Oct-14	Apr-15	Oct-15	Apr-16	Oct-16
190	180	400 D	130	96
Apr-17	Oct-17	Apr-18	Oct-18	Apr-19
250 D	110	51	140	34
Oct-19	Apr-20	Oct-20	Apr-21	Oct-21
58	340 D	29	ND	140
Apr-22	Oct-22	Apr-23	Oct-23	Apr-24
130	160	96	130	80

MW-4				
Oct-14	Apr-15	Oct-15	Apr-16	Oct-16
ND	ND	ND	ND	ND
Apr-17	Oct-17	Apr-18	Oct-18	Apr-19
ND	ND	ND	ND	ND
Oct-19	Apr-20	Oct-20	Apr-21	Oct-21
ND	ND	ND	ND	ND
Apr-22	Oct-22	Apr-23	Oct-23	Apr-24
ND	ND	ND	ND	ND

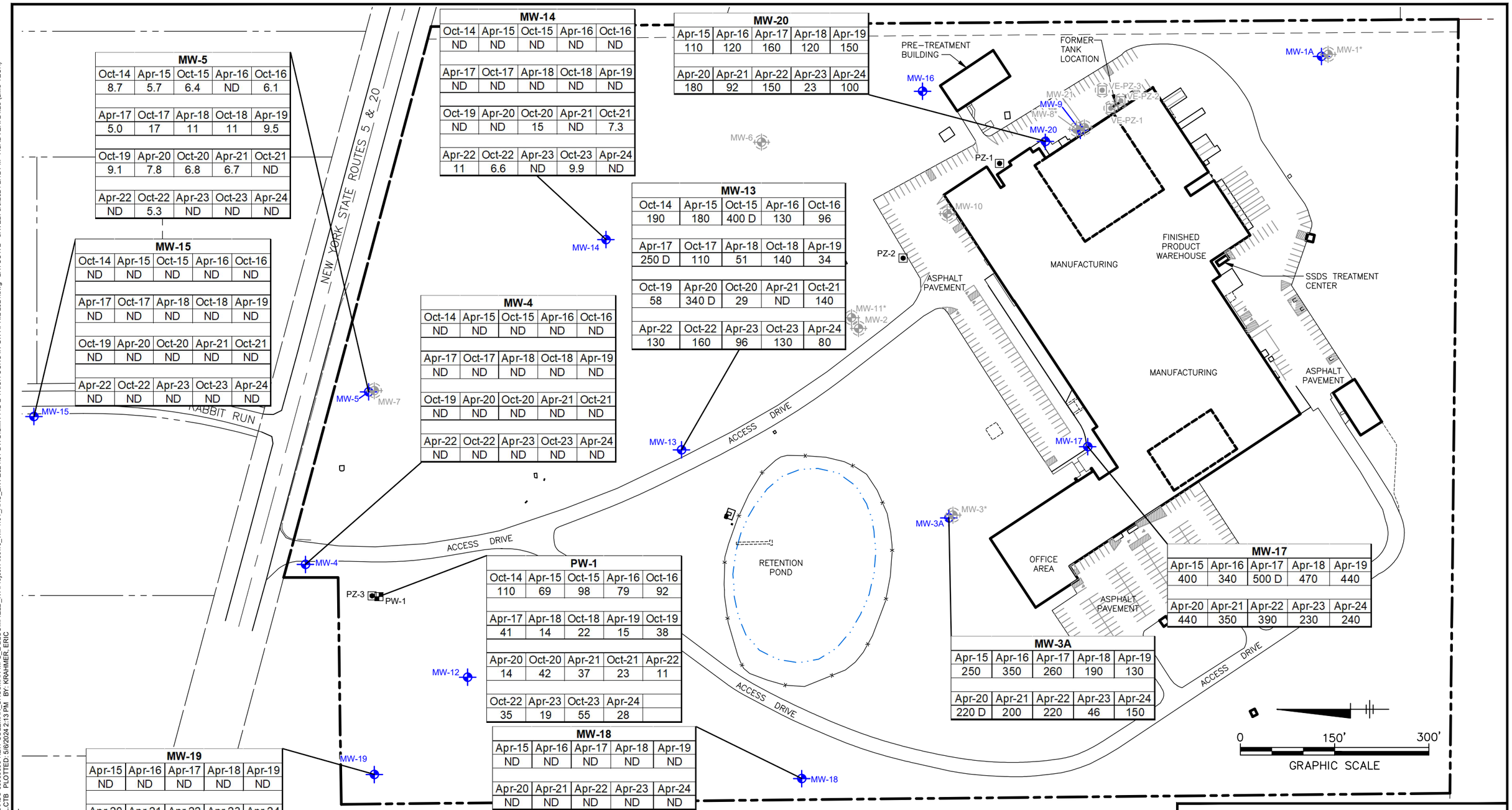
PW-1				
Oct-14	Apr-15	Oct-15	Apr-16	Oct-16
110	69	98	79	92
Apr-17	Apr-18	Oct-18	Apr-19	Oct-19
41	14	22	15	38
Apr-20	Oct-20	Apr-21	Oct-21	Apr-22
14	42	37	23	11
Oct-22	Apr-23	Oct-23	Apr-24	
35	19	55	28	

MW-18				
Apr-15	Apr-16	Apr-17	Apr-18	Apr-19
ND	ND	ND	ND	ND
Apr-20	Apr-21	Apr-22	Apr-23	Apr-24
ND	ND	ND	ND	ND

MW-19				
Apr-15	Apr-16	Apr-17	Apr-18	Apr-19
ND	ND	ND	ND	ND
Apr-20	Apr-21	Apr-22	Apr-23	Apr-24
ND	ND	ND	ND	ND

MW-17				
Apr-15	Apr-16	Apr-17	Apr-18	Apr-19
400	340	500 D	470	440
Apr-20	Apr-21	Apr-22	Apr-23	Apr-24
440	350	390	230	240

MW-3A				
Apr-15	Apr-16	Apr-17	Apr-18	Apr-19
250	350	260	190	130
Apr-20	Apr-21	Apr-22	Apr-23	Apr-24
220 D	200	220	46	150



LEGEND:

- GROUNDWATER MONITORING WELL
- ABANDONED GROUNDWATER MONITORING WELL
- PRODUCTION WELL
- PIEZOMETER
- ABANDONED PIEZOMETER
- APPROXIMATE PROPERTY BOUNDARY

NOTES:

1. BASE MAP REFERENCE:
   1.1. SURVEY BY FISHER ASSOCIATES, ROCHESTER, NY. COMPLETED NOVEMBER 27, 2018.
2. ALL RESULTS ARE IN MICROGRAMS PER LITER (µg/L).
3. ABBREVIATIONS:
   3.1. D = CONCENTRATION IS THE RESULT OF A SECONDARY DILUTION.
   3.2. E = EXCEEDS CALIBRATION RANGE.
   3.3. J = THE COMPOUND WAS POSITIVELY IDENTIFIED, HOWEVER, THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY.

CROSMAN CORPORATION SITE
EAST BLOOMFIELD, NEW YORK

GROUNDWATER MONITORING REPORT

MAP OF TRICHLOROETHYLENE CONCENTRATIONS IN GROUNDWATER

ARCADIS

FIGURE 2

Appendix A

Recorded Declaration of Covenants and Restrictions

Ontario County Clerk Recording Page

Return To

Stewart Title Insurance Company - Upstate

Matthew J. Hoose, County Clerk
Ontario County Clerk
20 Ontario Street
Canandaigua, New York 14424
(585) 396-4200

Document Type: **DECLARATION**

Receipt Number: 493204

Grantor (Party 1)
CROSMAN CORPORATION

Grantee (Party 2)

Fees	
Recording Fee	$20.00
Pages Fee	$30.00
State Surcharge	$20.00
Total Fees Paid:	$70.00

Control #: 202005130107

Property located in **Town of East Bloomfield**

State of New York
County of Ontario

Recorded on May 13th, 2020 at 4:52:59 PM
in Liber **01450** of **Deeds**
beginning at page **0324**, ending at page **0329, with a total page count of 6**.

Matthew J Hoose

Ontario County Clerk

This sheet constitutes the Clerk's endorsement required by section 319 of the Real Property Law of the State of New York

SC

Do Not Detach

DECLARATION of COVENANTS and RESTRICTIONS

THIS COVENANT is made the 4th day of May 2020, by Crosman Corporation, a corporation organized and existing under the laws of the State of Delaware and having an office for the transaction of business at 7629 Routes 5 and 20, East Bloomfield, New York 14443.

WHEREAS, the Crosman Corporation Site, (Site # 835012) is the subject of an Order on Consent executed by Crosman Corporation and New Coleman Holdings, Inc. (collectively, the "Respondents") as part of the New York State Department of Environmental Conservation's (the "Department's") State Superfund Program, namely that parcel of real property located at the address of 7629 Routes 5 and 20 (Tax Map ID# 080.00-1-04.000), Town of East Bloomfield, County of Ontario, State of New York, being the same as (or part of) that property conveyed to Crosman Corporation by Crosman Products, Inc., by deed(s) dated August 27, 1990, and recorded on September 13, 1990 at the Ontario County Clerk in Liber 900, Page 1065, and being more particularly described in Schedule "A," attached to this declaration and made a part hereof, and hereinafter referred to as the "Property"; and

WHEREAS, the Department approved a remedy to eliminate or mitigate all significant threats to the environment presented by the contamination disposed at the Property and such remedy requires that the Property be subject to restrictive covenants.

NOW, THEREFORE, Crosman Corporation, for itself and its successors and/or assigns, covenants that:

First, the Property subject to this Declaration of Covenants and Restrictions is as described in Schedule "A" and made a part hereof.

Second, unless prior written approval by the Department or, if the Department shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as the "Relevant Agency," is first obtained, where contamination remains at the Property subject to the provisions of the Site Management Plan ("SMP"), including any and all Department-approved amendments to the SMP, there shall be no construction, use or occupancy of the Property that results in the disturbance or excavation of the Property which threatens the integrity of the engineering controls or which results in unacceptable human exposure to contaminated soils. An up-to-date version of the SMP may be obtained from the New York State Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, New York, 12233 or DERWEB@dec.ny.gov.

Third, the owner of the Property shall not disturb, remove, or otherwise interfere with the installation, use, operation, and maintenance of engineering controls required for

Record & Return to:
Barclay Damon LLP
2000 Five Star Bank Plaza
100 Chestnut Street
Rochester NY 14604

the Remedy, which are described in the SMP, unless in each instance the owner first obtains a written waiver of such prohibition from the Department or Relevant Agency.

Fourth, the owner of the Property shall prohibit the Property from ever being used for purposes other than for Commercial use as described in 6 NYCRR Part 375-1.8(g)(2)(iii) or Industrial use as described in 6 NYCRR Part 375-1.8(g)(2)(iv), consistent with zoning, without the express written waiver of such prohibition by the Department or Relevant Agency.

Fifth, the use of groundwater underlying the Property as drinking water is prohibited without necessary water quality treatment as determined by the New York State Department of Health or the Ontario County Department of Health to render it safe for use as drinking water, and the user must first notify and obtain written approval to so use the groundwater as drinking water from the Department; provided, however, that this prohibition is inapplicable to the continued use of the groundwater underlying the Property as non-contact cooling and process water with subsequent discharge primarily pursuant to a State Pollution Discharge Elimination System permit (presently, SPDES Permit No.: NY-0103039) to an unnamed tributary of Fish Creek, but also to an extent, with subsequent discharge to the East Bloomfield Publicly Owned Treatment Works.

Sixth, the owner of the Property shall, at such time as the Department may require pursuant to the SMP, provide a periodic certification, prepared and submitted by a professional engineer or environmental professional acceptable to the Department or Relevant Agency, which will certify that the institutional and engineering controls put in place are unchanged from the previous certification, comply with the SMP, and have not been impaired, unless one or both of the Respondents have already provided such periodic certification which has been accepted by the Department pursuant to the SMP.

Seventh, the owner of the Property shall continue in full force and effect any institutional and engineering controls required by the Remedy, which are described in the SMP, unless the owner first obtains permission to discontinue such controls from the Department or Relevant Agency, in compliance with the approved SMP, which is incorporated and made enforceable hereto, subject to modifications as approved by the Department or Relevant Agency.

Eighth, this Declaration is and shall be deemed a covenant that shall run with the land and shall be binding upon all future owners of the Property, and shall provide that the owner and its successors and assigns consent to enforcement by the Department or Relevant Agency of the prohibitions and restrictions that the Order on Consent requires to be recorded, and hereby covenant not to contest the authority of the Department or Relevant Agency to seek enforcement.

Ninth, access to the Property must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Declaration of Covenants and Restrictions.

Tenth, the potential for vapor intrusion must be evaluated for any buildings developed on the Property, and any potential impacts that are identified must be monitored or mitigated.

Eleventh, any deed of conveyance of the Property, or any portion thereof, shall recite, unless the Department or Relevant Agency has consented to the termination of such covenants and restrictions, that said conveyance is subject to this Declaration of Covenants and Restrictions.

IN WITNESS WHEREOF, the undersigned has executed this instrument the day written below.

Crosman Corporation

By: _____

Print Name: Daniel J. Maier

Title: Vice President of Finance Date: 05/04, 2020

Grantor's Acknowledgment

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

On the 4 day of May in the year 2020, before me, the undersigned, personally appeared Daniel Maier, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) 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 signatures(s) on the instrument, the individual(s), or the person on behalf of which the individual(s) acted, executed the instrument.

Julie Dewey Woodhams
Signature

Notary Stamp & Expiration Date: 3/31/21

Notary Public State of New York

JULIE DEWEY WOODHAMS
Notary Public - State of New York
NO. 01WO4835219
Qualified in Ontario County
My Commission Expires 3/31/21

SCHEDULE "A"
to
Declaration of Covenants and Restrictions
For Crosman Corporation Site
Site No. 835012

METES AND BOUNDS DESCRIPTION OF RESTRICTED PROPERTY AS FILED IN ONTARIO COUNTY CLERK'S OFFICE AT LIBER 900 PAGE 1065

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, with the buildings and improvements thereon erected, situate, lying and being in the Lot Nos. 28 and 44, Township 10, Range 4, Town of East Bloomfield, County of Ontario and State of New York, bounded and described as follows:

BEGINNING at an iron pipe on the south line of New York State Highway (Routes 5 and 20), on the west line of land formerly owned by Charles Page and now reputedly owned by John Toomey, and

RUNNING THENCE South 8 degrees 32 minutes West along land reputedly owned by said Toomey, 1635.15 feet to an iron pipe at the northeast corner of land reputedly owned by David Hamlin;

THENCE North 80 degrees 26 minutes West along land reputedly owned by said Hamlin, 1231.60 feet to an iron pipe at the southeast corner of land formerly owned by Bridget McDonnell and Bertha M. McKeon and now reputedly owned by Alvin Ayres;

THENCE North 8 degrees 22 minutes East along land reputedly owned by said Ayres, 1764.70 feet to an iron pipe at the southwest corner of land formerly owned by Luella Olmstead, and now reputedly owned by Konrad Meier;

THENCE the following courses and distances along land reputedly owned by said Meier, South 81 degrees 51 minutes East 361.02 feet to an iron pipe and North 8 degrees 57 seconds East 86.55 feet to an iron pipe on the south line of the aforesaid highway;

THENCE South 66 degrees 06 minutes East along the south line of said highway, 907.40 feet to the point or place of BEGINNING.

METES AND BOUNDS DESCRIPTION OF RESTRICTED PROPERTY (AS MEASURED) IN THE INSTRUMENT SURVEY COMPLETED BY FISHER ASSOCIATES, P.E., L.S. OCTOBER 23, 2018 BEING AND INTENDING TO DESCRIBE THE SAME PROPERTY AS THE ABOVE LEGAL DESCRIPTION

All that tract or parcel of land situate in Town Lots 28 and 44, Township 10, Range 4, Town of East Bloomfield, County of Ontario, State of New York, bounded and described as follows:

Beginning at a point in the southerly highway boundary of the existing New York Route 5 and US Route 20 (99.0' wide), at its intersection with the division line between the lands now or formerly of Crosman Corporation (Tax 10 No. 80.00-1-4) on the west and the lands now or formerly of Lynn Farash LLC (Tax ID No. 80.00-1-5.013) on the east; thence

1. South 00°24'24" East along the easterly line of Crosman Corporation (Tax ID No. 80.00-1-4) a distance of 1635.16 feet to a point on the division line between the hands now or formerly of Crosman Corporation (Tax ID No, 80.00-1-4) on the north and the lands now or formerly of John Lane and Kelly Lane (Tax ID No. 79.00-3-9.1) on the south; thence

2. North 89°22'24" West along the last mentioned division line, a distance of 1231.60 feet to a point on the division line between the lands now or formerly of Crosman Corporation (Tax ID No. 80.00-1-4) on the east and the lands now or formerly of Duane A. Ayers and Paulette M. Ayers (Tax ID No. 80.00-1-2.21) on the west; thence

3. North 00°34'24" West along the last mentioned division line a distance of 1764.70 feet to a point on the division line between the lands now or formerly of Crosman Corporation (Tax ID No. 80.00-1-4) on the south and the lands now or formerly of Gregory T. Hart and Melissa L Hart (Tax ID No. 80.00-1-3) on the north; thence

4. Easterly and Northerly along the last mentioned division line the following two (2) courses and distances:

    1. North 89°-12'36" East, a distance of 361.02 feet to a point; thence

    2. North 00°01'36" East, a distance of 86.55 feet to a point in the southerly highway boundary of the existing New York Route 5 and 20 (99.0' wide); thence

5. South 75°01'24" East along the southerly highway boundary of the existing New York Route 5 and US Route 20 (99.0' wide), a distance of 907.38 feet to the point of beginning, being 49.684+ acres.

Appendix B

SSDS Inspection Forms and Alarm Response Logs

System Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

ARCADIS

Date: 7/7/2023 **Time:** 900 **Technician:** BKW

SYSTEM STATUS

	YES	NO	Notes
Is blower running?	X		None
Is virtual hand-off-auto switch in the "auto" position?	X		None
Are electrical panel doors securely closed?	X		None

List any active alarms including date/time of occurrence: None

Record electric meter reading (kWh) NA

Record blower runtime (hours) 59029.8

SYSTEM PARAMETERS

SDS-1 applied vacuum (in w.c.) *(VI-001)*	-75	Post-air filter/pre-VPGAC-101 vacuum (in w.c.) *(VI-102)*	-81
SDS-1 header vacuum (in w.c.) *(VI-101)*	-74		
(transmitter VT-101)	69.2	Pre-VPGAC-101 vacuum (in w.c.) *(VI-103)*	0
SDS-2 applied vacuum (in w.c.) *(VI-002)*	-72	Pre-VPGAC-102 vacuum (in w.c.) *(VI-104)*	0
SDS-2 header vacuum (in w.c.) *(VI-201)*	-84	Pre-VPGAC-103 vacuum (in w.c.) *(VI-105)*	-72
(transmitter VT-201)	69.2	Pre-VPGAC-104 vacuum (in w.c.) *(VI-106)*	-74
Knockout tank level *(inches in site gauge)*	<1"	Post-VPGAC-104/pre-dilution vacuum *(VI-107)*	-78
Influent temperature *(TI-102)*	78	Post-dilution/pre-blower vacuum *(VI-108)*	-82
Influent flow rate *(FI-101)*	NA	Post-blower pressure (in w.c.) *(PI-301)*	-2.5
SDS-1 Air Velocity (fpm) (building/shed)	92/120	Post-blower temperature (°F) *(TI-301)*	158
SDS-2 Air Velocity (fpm) (building/shed)	169/170		
Combined Air Velocity (fpm)	205		

System Valve Positions

	OPENED	CLOSED
SDS-1 extraction point valve V-001	X	
SDS-2 extraction point valve V-002	X	
SDS-1 header valve V-101	X	
SDS-2 header valve V-201	X	
Dilution valve V-119	X	
Vacuum relief valve V-120		X
Pressure relief valve V-301		X

	OPENED	CLOSED
V-102	X	
V-103	X	
V-104		X
V-105		X
V-106		X
V-107	X	
V-108	X	
V-109	X	
V-110		X

	OPENED	CLOSED
V-111		X
V-112		X
V-113		X
V-114		X
V-115		X
V-116		X
V-117		X
V-118		X

GENERAL

Are there any unusual noises, vibrations or odors detected at the system? No

Inspect all fittings, piping, relief valves and sample ports for leaks. Note any observations: All good.

Was enclosure secure upon arrival? (Y/N) Yes

Other notes: Elbow valves dry. Did not drain KOT due to low water level (<1").

Performance Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 7/7/2023 **Time:** 900 **Technician:** BKW

System Status

	YES	NO	Notes
Is blower running?	X		Yes
Was monthly OM&M Log Sheet completed?	X		None
Was instantaneous sub-slab differential pressure monitoring conducted?	X		None
Was air sampling conducted?	X		PID field screen
Was 24-hour continous differential pressure monitoring conducted?		X	None
Indicate indoor air temperature (°F):	85		

Sub-Slab Differential Pressure Monitoring

Vacuum Monitoring Point	Instantaneous Differential Pressure (in w.c.) [*use negative sign to indicate vacuum*]	24-Hour Continuous Monitoring Conducted (Y/N)
VMP-1	-7.686	No
VMP-2	-0.034	No
VMP-3	-0.741	No
VMP-4	-0.017	No
VMP-5	-0.048	No
VMP-6	-0.062	No
VMP-7	-0.009	No
VMP-8	-0.378	No
VMP-9	-0.074	No
VMP-10	-0.052	No
VMP-11	-0.242	No
VMP-12	Abandonded	--

System Vapor Sampling

Sample Location	Sample Collected (Y/N)	Time	Grab or Integrated Sample?	Canister Vacuum (inHg)		PID Measurement	Can ID
				Start	Finish		
SDS-1	N	N/A	N/A	N/A	N/A	4.4	N/A
SDS-2	N	N/A	N/A	N/A	N/A	3.4	N/A
Combined Influent	N	N/A	N/A	N/A	N/A	4.9	N/A
Pre-VPGAC4	N	N/A	N/A	N/A	N/A	4.7	N/A
Post-Dilution Eff	N	N/A	N/A	N/A	N/A	0.6	N/A
Post-Blower Eff	N	N/A	N/A	N/A	N/A	0.5	N/A

Monthly OMM Checklist
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 7/7/2023 **Time:** 900 **Technician:** BKW

Task	Frequency	Conducted (Y/N)	Notes
Complete System Monitoring Log	Monthly	Yes	
Complete Performance Monitoring Log	Monthly	Yes	
Complete Alarm Response Log	As Needed	Yes	
Conduct Instantaneous Sub-Slab Differential Pressure Monitoring	See Table 4	Yes	
Conduct 24-Hour Continuous Differential Pressure Monitoring	See Table 4	No	
Conduct System Vapor sampling	See Table 5	Yes	PID Field Screen; sampled May and December
Blower Inspection	Monthly	Yes	
Knockout Tank Liquid Level Check and/or Draining (1)	Monthly	Yes	
Condensation Check (1)	Monthly	Yes	
In-Line Air Filter Element Inspection and/or Replacement (2)(3)	Monthly	Yes	
Dilution Line Air Filter Element Inspection and/or Replacement	Monthly	Yes	
Extraction Point Riser Inspection	Monthly	Yes	
Discharge Stack Inspection	Monthly	Yes	
Knockout Tank Liquid Level Switches Test(4)(5)	Annual	NA	
Vacuum Transmitters Test (4)(6)	Annual	NA	
Vacuum Relief Valve Test (should open at 80 in w.c. vacuum)	Annual	NA	
Alarm Notification Test	Annual	NA	
VPGAC Changeout	Annual	NA	
Blower Voltage and Current Check (3)	As Needed	No	

Notes:
1) Condensation shall be containerized and disposed of in coordination with Crosman Corporation's procedures.
2) System shall be shutdown prior to performing.
3) Lockout/tagout and work on energized equipment shall be conducted in accordance with Arcadis Safety Program.
4) Will cause system shutdown.
5) Knockout tank shall be filled with water using lower drain port.
6) Vacuum transmitters VT-101 and VT-201 shall read between +/- 5% of vacuum gauges VI-101 and VI-201, respectively.

System Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

ARCADIS

Date: 8/4/2023 **Time:** 900 **Technician:** RDC

SYSTEM STATUS

	YES	NO	Notes
Is blower running?	X		None
Is virtual hand-off-auto switch in the "auto" position?	X		None
Are electrical panel doors securely closed?	X		None

List any active alarms including date/time of occurrence: None

Record electric meter reading (kWh) NA

Record blower runtime (hours) 59681.4

SYSTEM PARAMETERS

SDS-1 applied vacuum (in w.c.) *(VI-001)*	-69	Post-air filter/pre-VPGAC-101 vacuum (in w.c.) *(VI-102)*	-74
SDS-1 header vacuum (in w.c.) *(VI-101)*	-68		
(transmitter VT-101)	63.2	Pre-VPGAC-101 vacuum (in w.c.) *(VI-103)*	0
SDS-2 applied vacuum (in w.c.) *(VI-002)*	-66	Pre-VPGAC-102 vacuum (in w.c.) *(VI-104)*	0
SDS-2 header vacuum (in w.c.) *(VI-201)*	-77	Pre-VPGAC-103 vacuum (in w.c.) *(VI-105)*	-68
(transmitter VT-201)	63.2	Pre-VPGAC-104 vacuum (in w.c.) *(VI-106)*	-70
Knockout tank level *(inches in site gauge)*	0"	Post-VPGAC-104/pre-dilution vacuum *(VI-107)*	-70
Influent temperature *(TI-102)*	80	Post-dilution/pre-blower vacuum *(VI-108)*	-74
Influent flow rate *(FI-101)*	NA	Post-blower pressure (in w.c.) *(PI-301)*	-1
SDS-1 Air Velocity (fpm) (building/shed)	73/71	Post-blower temperature (°F) *(TI-301)*	154
SDS-2 Air Velocity (fpm) (building/shed)	171/176		
Combined Air Velocity (fpm)	212		

System Valve Positions

	OPENED	CLOSED
SDS-1 extraction point valve V-001	X	
SDS-2 extraction point valve V-002	X	
SDS-1 header valve V-101	X	
SDS-2 header valve V-201	X	
Dilution valve V-119	X	
Vacuum relief valve V-120		X
Pressure relief valve V-301		X

	OPENED	CLOSED
V-102	X	
V-103	X	
V-104		X
V-105		X
V-106		X
V-107	X	
V-108	X	
V-109	X	
V-110		X

	OPENED	CLOSED
V-111		X
V-112		X
V-113		X
V-114		X
V-115		X
V-116		X
V-117		X
V-118		X

GENERAL

Are there any unusual noises, vibrations or odors detected at the system? No

Inspect all fittings, piping, relief valves and sample ports for leaks. Note any observations: All good.

Was enclosure secure upon arrival? (Y/N) Yes

Other notes: Elbow valves dry. Did not drain KOT due to low water level (0").

Performance Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 8/4/2023 **Time:** 900 **Technician:** RDC

System Status

	YES	NO	Notes
Is blower running?	X		Yes
Was monthly OM&M Log Sheet completed?	X		None
Was instantaneous sub-slab differential pressure monitoring conducted?	X		None
Was air sampling conducted?	X		PID field screen
Was 24-hour continous differential pressure monitoring conducted?		X	None
Indicate indoor air temperature (°F):	80		

Sub-Slab Differential Pressure Monitoring

Vacuum Monitoring Point	Instantaneous Differential Pressure (in w.c.) [*use negative sign to indicate vacuum*]	24-Hour Continuous Monitoring Conducted (Y/N)
VMP-1	-8.101	No
VMP-2	-0.035	No
VMP-3	-0.791	No
VMP-4	-0.019	No
VMP-5	-0.050	No
VMP-6	-0.060	No
VMP-7	-0.007	No
VMP-8	-0.379	No
VMP-9	-0.065	No
VMP-10	-0.045	No
VMP-11	-0.223	No
VMP-12	Abandonded	--

System Vapor Sampling

Sample Location	Sample Collected (Y/N)	Time	Grab or Integrated Sample?	Canister Vacuum (inHg)		PID Measurement	Can ID
				Start	Finish		
SDS-1	N	N/A	N/A	N/A	N/A	11.1	N/A
SDS-2	N	N/A	N/A	N/A	N/A	1.7	N/A
Combined Influent	N	N/A	N/A	N/A	N/A	2.1	N/A
Pre-VPGAC4	N	N/A	N/A	N/A	N/A	1.9	N/A
Post-Dilution Eff	N	N/A	N/A	N/A	N/A	0.6	N/A
Post-Blower Eff	N	N/A	N/A	N/A	N/A	0.0	N/A

Monthly OMM Checklist
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 8/4/2023 **Time:** 900 **Technician:** RDC

Task	Frequency	Conducted (Y/N)	Notes
Complete System Monitoring Log	Monthly	Yes	
Complete Performance Monitoring Log	Monthly	Yes	
Complete Alarm Response Log	As Needed	Yes	
Conduct Instantaneous Sub-Slab Differential Pressure Monitoring	See Table 4	Yes	
Conduct 24-Hour Continuous Differential Pressure Monitoring	See Table 4	No	
Conduct System Vapor sampling	See Table 5	Yes	PID Field Screen; sampled May and December
Blower Inspection	Monthly	Yes	
Knockout Tank Liquid Level Check and/or Draining (1)	Monthly	Yes	
Condensation Check (1)	Monthly	Yes	
In-Line Air Filter Element Inspection and/or Replacement (2)(3)	Monthly	Yes	
Dilution Line Air Filter Element Inspection and/or Replacement	Monthly	Yes	
Extraction Point Riser Inspection	Monthly	Yes	
Discharge Stack Inspection	Monthly	Yes	
Knockout Tank Liquid Level Switches Test(4)(5)	Annual	NA	
Vacuum Transmitters Test (4)(6)	Annual	NA	
Vacuum Relief Valve Test (should open at 80 in w.c. vacuum)	Annual	NA	
Alarm Notification Test	Annual	NA	
VPGAC Changeout	Annual	NA	
Blower Voltage and Current Check (3)	As Needed	No	

Notes:
1) Condensation shall be containerized and disposed of in coordination with Crosman Corporation's procedures.
2) System shall be shutdown prior to performing.
3) Lockout/tagout and work on energized equipment shall be conducted in accordance with Arcadis Safety Program.
4) Will cause system shutdown.
5) Knockout tank shall be filled with water using lower drain port.
6) Vacuum transmitters VT-101 and VT-201 shall read between +/- 5% of vacuum gauges VI-101 and VI-201, respectively.

System Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

ARCADIS

Date: 9/22/2023 **Time:** 900 **Technician:** RDC

SYSTEM STATUS

	YES	NO	Notes
Is blower running?	X		None
Is virtual hand-off-auto switch in the "auto" position?	X		None
Are electrical panel doors securely closed?	X		None

List any active alarms including date/time of occurrence: None

Record electric meter reading (kWh) NA

Record blower runtime (hours) 60707

SYSTEM PARAMETERS

SDS-1 applied vacuum (in w.c.) *(VI-001)*	-79	Post-air filter/pre-VPGAC-101 vacuum (in w.c.) *(VI-102)*	-84
SDS-1 header vacuum (in w.c.) *(VI-101)*	-78		
(transmitter VT-101)	73.8	need to clean dilution air filter) w.c.) *(VI-103)*	0
SDS-2 applied vacuum (in w.c.) *(VI-002)*	-76	Pre-VPGAC-102 vacuum (in w.c.) *(VI-104)*	0
SDS-2 header vacuum (in w.c.) *(VI-201)*	-87	Pre-VPGAC-103 vacuum (in w.c.) *(VI-105)*	-78
(transmitter VT-201)	73.9	Pre-VPGAC-104 vacuum (in w.c.) *(VI-106)*	-80
Knockout tank level *(inches in site gauge)*	0"	Post-VPGAC-104/pre-dilution vacuum *(VI-107)*	-81
Influent temperature *(TI-102)*	70	Post-dilution/pre-blower vacuum *(VI-108)*	-84
Influent flow rate *(FI-101)*	NA	Post-blower pressure (in w.c.) *(PI-301)*	0
SDS-1 Air Velocity (fpm) (building/shed)	62/76	Post-blower temperature (°F) *(TI-301)*	153
SDS-2 Air Velocity (fpm) (building/shed)	200/225		
Combined Air Velocity (fpm)	260		

System Valve Positions

	OPENED	CLOSED
SDS-1 extraction point valve V-001	X	
SDS-2 extraction point valve V-002	X	
SDS-1 header valve V-101	X	
SDS-2 header valve V-201	X	
Dilution valve V-119	X	
Vacuum relief valve V-120		X
Pressure relief valve V-301		X

	OPENED	CLOSED
V-102	X	
V-103	X	
V-104		X
V-105		X
V-106		X
V-107	X	
V-108	X	
V-109	X	
V-110		X

	OPENED	CLOSED
V-111		X
V-112		X
V-113		X
V-114		X
V-115		X
V-116		X
V-117		X
V-118		X

GENERAL

Are there any unusual noises, vibrations or odors detected at the system? No

Inspect all fittings, piping, relief valves and sample ports for leaks. Note any observations: All good.

Was enclosure secure upon arrival? (Y/N) Yes

Other notes: Did not drain KOT due to low water level (0").

Performance Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 9/22/2023 **Time:** 900 **Technician:** RDC

System Status

	YES	NO	Notes
Is blower running?	X		Yes
Was monthly OM&M Log Sheet completed?	X		None
Was instantaneous sub-slab differential pressure monitoring conducted?	X		None
Was air sampling conducted?	X		PID field screen
Was 24-hour continous differential pressure monitoring conducted?		X	None
Indicate indoor air temperature (°F):	80		

Sub-Slab Differential Pressure Monitoring

Vacuum Monitoring Point	Instantaneous Differential Pressure (in w.c.) [*use negative sign to indicate vacuum*]	24-Hour Continuous Monitoring Conducted (Y/N)
VMP-1	-9.705	No
VMP-2	-0.033	No
VMP-3	-0.923	No
VMP-4	-0.022	No
VMP-5	-0.059	No
VMP-6	-0.066	No
VMP-7	-0.015	No
VMP-8	-0.388	No
VMP-9	-0.042	No
VMP-10	Obstructed	No
VMP-11	Obstructed	No
VMP-12	Abandonded	--

need to clean dilution air filter

System Vapor Sampling

Sample Location	Sample Collected (Y/N)	Time	Grab or Integrated Sample?	Canister Vacuum (inHg)		PID Measurement	Can ID
				Start	Finish		
SDS-1	N	N/A	N/A	N/A	N/A	8.2	N/A
SDS-2	N	N/A	N/A	N/A	N/A	1.5	N/A
Combined Influent	N	N/A	N/A	N/A	N/A	4.9	N/A
Pre-VPGAC4	N	N/A	N/A	N/A	N/A	3.5	N/A
Post-Dilution Eff	N	N/A	N/A	N/A	N/A	0.6	N/A
Post-Blower Eff	N	N/A	N/A	N/A	N/A	0.1	N/A

Note: Bollard/guard has been installed around SDS-2. Lots of activity/shipping receiving in North area. Two monitoring points covered by pallets/equipment

Monthly OMM Checklist
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 9/22/2023 **Time:** 900 **Technician:** RDC

Task	Frequency	Conducted (Y/N)	Notes
Complete System Monitoring Log	Monthly	Yes	
Complete Performance Monitoring Log	Monthly	Yes	
Complete Alarm Response Log	As Needed	Yes	
Conduct Instantaneous Sub-Slab Differential Pressure Monitoring	See Table 4	Yes	
Conduct 24-Hour Continuous Differential Pressure Monitoring	See Table 4	No	
Conduct System Vapor sampling	See Table 5	Yes	PID Field Screen; sampled May and December
Blower Inspection	Monthly	Yes	
Knockout Tank Liquid Level Check and/or Draining (1)	Monthly	Yes	
Condensation Check (1)	Monthly	Yes	
In-Line Air Filter Element Inspection and/or Replacement (2)(3)	Monthly	Yes	need to clean dilution air filter
Dilution Line Air Filter Element Inspection and/or Replacement	Monthly	Yes	
Extraction Point Riser Inspection	Monthly	Yes	
Discharge Stack Inspection	Monthly	Yes	
Knockout Tank Liquid Level Switches Test(4)(5)	Annual	NA	
Vacuum Transmitters Test (4)(6)	Annual	NA	
Vacuum Relief Valve Test (should open at 80 in w.c. vacuum)	Annual	NA	
Alarm Notification Test	Annual	NA	
VPGAC Changeout	Annual	NA	
Blower Voltage and Current Check (3)	As Needed	No	

Notes:
1) Condensation shall be containerized and disposed of in coordination with Crosman Corporation's procedures.
2) System shall be shutdown prior to performing.
3) Lockout/tagout and work on energized equipment shall be conducted in accordance with Arcadis Safety Program.
4) Will cause system shutdown.
5) Knockout tank shall be filled with water using lower drain port.
6) Vacuum transmitters VT-101 and VT-201 shall read between +/- 5% of vacuum gauges VI-101 and VI-201, respectively.

System Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

ARCADIS

Date: 10/13/2023 **Time:** 1115 **Technician:** BKW, KCF

SYSTEM STATUS

	YES	NO	Notes
Is blower running?	X		None
Is virtual hand-off-auto switch in the "auto" position?	X		None
Are electrical panel doors securely closed?	X		None

List any active alarms including date/time of occurrence: None

Record electric meter reading (kWh) NA

Record blower runtime (hours) 61219.6

SYSTEM PARAMETERS

SDS-1 applied vacuum (in w.c.) *(VI-001)*	-82	Post-air filter/pre-VPGAC-101 vacuum (in w.c.) *(VI-102)*	-86
SDS-1 header vacuum (in w.c.) *(VI-101)*	-80		
(transmitter VT-101)	-76.1	Pre-VPGAC-101 vacuum (in w.c.) *(VI-103)*	0
SDS-2 applied vacuum (in w.c.) *(VI-002)*	-78	Pre-VPGAC-102 vacuum (in w.c.) *(VI-104)*	-26
SDS-2 header vacuum (in w.c.) *(VI-201)*	-90	Pre-VPGAC-103 vacuum (in w.c.) *(VI-105)*	-80
(transmitter VT-201)	-76.1	Pre-VPGAC-104 vacuum (in w.c.) *(VI-106)*	-26
Knockout tank level *(inches in site gauge)*	<1"	Post-VPGAC-104/pre-dilution vacuum *(VI-107)*	-84
Influent temperature *(TI-102)*	62	Post-dilution/pre-blower vacuum *(VI-108)*	-86
Influent flow rate *(FI-101)*	NA	Post-blower pressure (in w.c.) *(PI-301)*	0
SDS-1 Air Velocity (fpm) (building/shed)	103/101	Post-blower temperature (°F) *(TI-301)*	145
SDS-2 Air Velocity (fpm) (building/shed)	178/203		
Combined Air Velocity (fpm)	242		

System Valve Positions

	OPENED	CLOSED
SDS-1 extraction point valve V-001	X	
SDS-2 extraction point valve V-002	X	
SDS-1 header valve V-101	X	
SDS-2 header valve V-201	X	
Dilution valve V-119	X	
Vacuum relief valve V-120		X
Pressure relief valve V-301		X

	OPENED	CLOSED
V-102	X	
V-103	X	
V-104		X
V-105		X
V-106		X
V-107	X	
V-108	X	
V-109	X	
V-110		X

	OPENED	CLOSED
V-111		X
V-112		X
V-113		X
V-114		X
V-115		X
V-116		X
V-117		X
V-118		X

GENERAL

Are there any unusual noises, vibrations or odors detected at the system? No

Inspect all fittings, piping, relief valves and sample ports for leaks. Note any observations: All good.

Was enclosure secure upon arrival? (Y/N) Yes

Other notes: Elbow valves dry. Did not drain KOT due to low water level (<1").

Performance Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 10/13/2023 **Time:** 900 **Technician:** BKW, KCF

System Status

	YES	NO	Notes
Is blower running?	X		Yes
Was monthly OM&M Log Sheet completed?	X		None
Was instantaneous sub-slab differential pressure monitoring conducted?	X		None
Was air sampling conducted?	X		PID field screen
Was 24-hour continous differential pressure monitoring conducted?		X	None
Indicate indoor air temperature (°F):	70		

Sub-Slab Differential Pressure Monitoring

Vacuum Monitoring Point	Instantaneous Differential Pressure (in w.c.) [*use negative sign to indicate vacuum*]	24-Hour Continuous Monitoring Conducted (Y/N)
VMP-1	-9.747	No
VMP-2	-0.031	No
VMP-3	-0.953	No
VMP-4	-0.023	No
VMP-5	-0.060	No
VMP-6	-0.057	No
VMP-7	-0.011	No
VMP-8	-0.407	No
VMP-9	Obstructed	No
VMP-10	-0.039	No
VMP-11	Obstructed	No
VMP-12	Abandonded	--

System Vapor Sampling

Sample Location	Sample Collected (Y/N)	Time	Grab or Integrated Sample?	Canister Vacuum (inHg)		PID Measurement	Can ID
				Start	Finish		
SDS-1	N	N/A	N/A	N/A	N/A	11.3	N/A
SDS-2	N	N/A	N/A	N/A	N/A	13.7	N/A
Combined Influent	N	N/A	N/A	N/A	N/A	11.1	N/A
Pre-VPGAC4	N	N/A	N/A	N/A	N/A	5.8	N/A
Post-Dilution Eff	N	N/A	N/A	N/A	N/A	0.2	N/A
Post-Blower Eff	N	N/A	N/A	N/A	N/A	0.0	N/A

Note: Lots of activity in North area. VMP-9 and VMP-11 obstructed by pallets.

Monthly OMM Checklist
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 10/13/2023 **Time:** 900 **Technician:** BKW, KCF

Task	Frequency	Conducted (Y/N)	Notes
Complete System Monitoring Log	Monthly	Yes	
Complete Performance Monitoring Log	Monthly	Yes	
Complete Alarm Response Log	As Needed	Yes	
Conduct Instantaneous Sub-Slab Differential Pressure Monitoring	See Table 4	Yes	
Conduct 24-Hour Continuous Differential Pressure Monitoring	See Table 4	No	
Conduct System Vapor sampling	See Table 5	Yes	PID Field Screen; sampled May and December
Blower Inspection	Monthly	Yes	
Knockout Tank Liquid Level Check and/or Draining (1)	Monthly	Yes	
Condensation Check (1)	Monthly	Yes	
In-Line Air Filter Element Inspection and/or Replacement (2)(3)	Monthly	Yes	
Dilution Line Air Filter Element Inspection and/or Replacement	Monthly	Yes	
Extraction Point Riser Inspection	Monthly	Yes	
Discharge Stack Inspection	Monthly	Yes	
Knockout Tank Liquid Level Switches Test(4)(5)	Annual	NA	
Vacuum Transmitters Test (4)(6)	Annual	NA	
Vacuum Relief Valve Test (should open at 80 in w.c. vacuum)	Annual	NA	
Alarm Notification Test	Annual	NA	
VPGAC Changeout	Annual	NA	
Blower Voltage and Current Check (3)	As Needed	No	

Notes:
1) Condensation shall be containerized and disposed of in coordination with Crosman Corporation's procedures.
2) System shall be shutdown prior to performing.
3) Lockout/tagout and work on energized equipment shall be conducted in accordance with Arcadis Safety Program.
4) Will cause system shutdown.
5) Knockout tank shall be filled with water using lower drain port.
6) Vacuum transmitters VT-101 and VT-201 shall read between +/- 5% of vacuum gauges VI-101 and VI-201, respectively.

System Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

ARCADIS

Date: 11/3/2023 **Time:** 830 **Technician:** BKW

SYSTEM STATUS

	YES	NO	Notes
Is blower running?	X		None
Is virtual hand-off-auto switch in the "auto" position?	X		None
Are electrical panel doors securely closed?	X		None

List any active alarms including date/time of occurrence: None

Record electric meter reading (kWh) NA

Record blower runtime (hours) 61728.3

SYSTEM PARAMETERS

SDS-1 applied vacuum (in w.c.) *(VI-001)*	-82	Post-air filter/pre-VPGAC-101 vacuum (in w.c.) *(VI-102)*	-88
SDS-1 header vacuum (in w.c.) *(VI-101)*	-82		
(transmitter VT-101)	-77.1	Pre-VPGAC-101 vacuum (in w.c.) *(VI-103)*	0
SDS-2 applied vacuum (in w.c.) *(VI-002)*	-80	Pre-VPGAC-102 vacuum (in w.c.) *(VI-104)*	-38
SDS-2 header vacuum (in w.c.) *(VI-201)*	-92	Pre-VPGAC-103 vacuum (in w.c.) *(VI-105)*	-80
(transmitter VT-201)	-77.1	Pre-VPGAC-104 vacuum (in w.c.) *(VI-106)*	-82
Knockout tank level *(inches in site gauge)*	3"	Post-VPGAC-104/pre-dilution vacuum *(VI-107)*	-84
Influent temperature *(TI-102)*	56F	Post-dilution/pre-blower vacuum *(VI-108)*	-88
Influent flow rate *(FI-101)*	NA	Post-blower pressure (in w.c.) *(PI-301)*	0
SDS-1 Air Velocity (fpm) (building/shed)	170/225	Post-blower temperature (°F) *(TI-301)*	144F
SDS-2 Air Velocity (fpm) (building/shed)	180/185		
Combined Air Velocity (fpm)	247		

System Valve Positions

	OPENED	CLOSED
SDS-1 extraction point valve V-001	X	
SDS-2 extraction point valve V-002	X	
SDS-1 header valve V-101	X	
SDS-2 header valve V-201	X	
Dilution valve V-119	X	
Vacuum relief valve V-120		X
Pressure relief valve V-301		X

	OPENED	CLOSED
V-102	X	
V-103	X	
V-104		X
V-105		X
V-106		X
V-107	X	
V-108	X	
V-109	X	
V-110		X

	OPENED	CLOSED
V-111		X
V-112		X
V-113		X
V-114		X
V-115		X
V-116		X
V-117		X
V-118		X

GENERAL

Are there any unusual noises, vibrations or odors detected at the system? No

Inspect all fittings, piping, relief valves and sample ports for leaks. Note any observations: All good.

Was enclosure secure upon arrival? (Y/N) Yes

Other notes: Elbow valves dry. Drained 12 gallons from KOT. Placed cover over vent on system building for winter.

Performance Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 11/3/2023 **Time:** 830 **Technician:** BKW

System Status

	YES	NO	Notes
Is blower running?	X		Yes
Was monthly OM&M Log Sheet completed?	X		None
Was instantaneous sub-slab differential pressure monitoring conducted?	X		None
Was air sampling conducted?	X		PID field screen
Was 24-hour continous differential pressure monitoring conducted?		X	None
Indicate indoor air temperature (°F):	60		

Sub-Slab Differential Pressure Monitoring

Vacuum Monitoring Point	Instantaneous Differential Pressure (in w.c.) [*use negative sign to indicate vacuum*]	24-Hour Continuous Monitoring Conducted (Y/N)
VMP-1	-9.661	No
VMP-2	-0.023	No
VMP-3	-0.954	No
VMP-4	-0.025	No
VMP-5	-0.061	No
VMP-6	-0.016	No
VMP-7	-0.009	No
VMP-8	-0.400	No
VMP-9	-0.046	No
VMP-10	-0.035	No
VMP-11	-0.258	No
VMP-12	Abandonded	--

System Vapor Sampling

Sample Location	Sample Collected (Y/N)	Time	Grab or Integrated Sample?	Canister Vacuum (inHg)		PID Measurement	Can ID
				Start	Finish		
SDS-1	N	N/A	N/A	N/A	N/A	7.9	N/A
SDS-2	N	N/A	N/A	N/A	N/A	7.4	N/A
Combined Influent	N	N/A	N/A	N/A	N/A	8.0	N/A
Pre-VPGAC4	N	N/A	N/A	N/A	N/A	6.2	N/A
Post-Dilution Eff	N	N/A	N/A	N/A	N/A	0.8	N/A
Post-Blower Eff	N	N/A	N/A	N/A	N/A	0.5	N/A

Note: Lots of activity in North area. Wall removed opening up room containing SDS-2 to room just north.

Monthly OMM Checklist
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 11/3/2023 **Time:** 900 **Technician:** BKW

Task	Frequency	Conducted (Y/N)	Notes
Complete System Monitoring Log	Monthly	Yes	
Complete Performance Monitoring Log	Monthly	Yes	
Complete Alarm Response Log	As Needed	Yes	
Conduct Instantaneous Sub-Slab Differential Pressure Monitoring	See Table 4	Yes	
Conduct 24-Hour Continuous Differential Pressure Monitoring	See Table 4	No	
Conduct System Vapor sampling	See Table 5	Yes	PID Field Screen; sampled May and December
Blower Inspection	Monthly	Yes	
Knockout Tank Liquid Level Check and/or Draining (1)	Monthly	Yes	
Condensation Check (1)	Monthly	Yes	
In-Line Air Filter Element Inspection and/or Replacement (2)(3)	Monthly	Yes	
Dilution Line Air Filter Element Inspection and/or Replacement	Monthly	Yes	
Extraction Point Riser Inspection	Monthly	Yes	
Discharge Stack Inspection	Monthly	Yes	
Knockout Tank Liquid Level Switches Test(4)(5)	Annual	NA	
Vacuum Transmitters Test (4)(6)	Annual	NA	
Vacuum Relief Valve Test (should open at 80 in w.c. vacuum)	Annual	NA	
Alarm Notification Test	Annual	NA	
VPGAC Changeout	Annual	NA	
Blower Voltage and Current Check (3)	As Needed	No	

Notes:
1) Condensation shall be containerized and disposed of in coordination with Crosman Corporation's procedures.
2) System shall be shutdown prior to performing.
3) Lockout/tagout and work on energized equipment shall be conducted in accordance with Arcadis Safety Program.
4) Will cause system shutdown.
5) Knockout tank shall be filled with water using lower drain port.
6) Vacuum transmitters VT-101 and VT-201 shall read between +/- 5% of vacuum gauges VI-101 and VI-201, respectively.

System Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

ARCADIS

Date: 12/7/2023 **Time:** 1000 **Technician:** BKW

SYSTEM STATUS

	YES	NO	Notes
Is blower running?	X		System not running upon arrival. Cleared alarm ("AC Power Loss") and system started.
Is virtual hand-off-auto switch in the "auto" position?	X		None
Are electrical panel doors securely closed?	X		None

List any active alarms including date/time of occurrence: None

Record electric meter reading (kWh) NA

Record blower runtime (hours) 62520

SYSTEM PARAMETERS

SDS-1 applied vacuum (in w.c.) *(VI-001)*	-84	Post-air filter/pre-VPGAC-101 vacuum (in w.c.) *(VI-102)*	-87
SDS-1 header vacuum (in w.c.) *(VI-101)*	-81		
(transmitter VT-101)	-76.5	Pre-VPGAC-101 vacuum (in w.c.) *(VI-103)*	0
SDS-2 applied vacuum (in w.c.) *(VI-002)*	-74	Pre-VPGAC-102 vacuum (in w.c.) *(VI-104)*	-28
SDS-2 header vacuum (in w.c.) *(VI-201)*	-90	Pre-VPGAC-103 vacuum (in w.c.) *(VI-105)*	-80
(transmitter VT-201)	-77	Pre-VPGAC-104 vacuum (in w.c.) *(VI-106)*	-80
Knockout tank level *(inches in site gauge)*	8"	Post-VPGAC-104/pre-dilution vacuum *(VI-107)*	-83
Influent temperature *(TI-102)*	50F	Post-dilution/pre-blower vacuum *(VI-108)*	-88
Influent flow rate *(FI-101)*	NA	Post-blower pressure (in w.c.) *(PI-301)*	0
SDS-1 Air Velocity (fpm) (building/shed)	190/224	Post-blower temperature (°F) *(TI-301)*	136F
SDS-2 Air Velocity (fpm) (building/shed)	178/188		
Combined Air Velocity (fpm)	298		

System Valve Positions

	OPENED	CLOSED
SDS-1 extraction point valve V-001	X	
SDS-2 extraction point valve V-002	X	
SDS-1 header valve V-101	X	
SDS-2 header valve V-201	X	
Dilution valve V-119	X	
Vacuum relief valve V-120		X
Pressure relief valve V-301		X

	OPENED	CLOSED
V-102	X	
V-103	X	
V-104		X
V-105		X
V-106		X
V-107	X	
V-108	X	
V-109	X	
V-110		X

	OPENED	CLOSED
V-111		X
V-112		X
V-113		X
V-114		X
V-115		X
V-116		X
V-117		X
V-118		X

GENERAL

Are there any unusual noises, vibrations or odors detected at the system? No

Inspect all fittings, piping, relief valves and sample ports for leaks. Note any observations: All good.

Was enclosure secure upon arrival? (Y/N) Yes

Other notes: Drained 2 gallons from elbow valves. Drained 21 gallons from KOT.

Performance Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 12/7/2023 **Time:** 1000 **Technician:** BKW

System Status

	YES	NO	Notes
Is blower running?	X		Yes
Was monthly OM&M Log Sheet completed?	X		None
Was instantaneous sub-slab differential pressure monitoring conducted?	X		None
Was air sampling conducted?	X		PID field screen and analytical summa canisters
Was 24-hour continous differential pressure monitoring conducted?		X	None
Indicate indoor air temperature (°F):	55		

Sub-Slab Differential Pressure Monitoring

Vacuum Monitoring Point	Instantaneous Differential Pressure (in w.c.) [*use negative sign to indicate vacuum*]	24-Hour Continuous Monitoring Conducted (Y/N)
VMP-1	-9.62	No
VMP-2	-0.02	No
VMP-3	-0.962	No
VMP-4	-0.026	No
VMP-5	-0.061	No
VMP-6	-0.005	No
VMP-7	-0.006	No
VMP-8	-0.330	No
VMP-9	-0.026	No
VMP-10	-0.018	No
VMP-11	Obstructed	No
VMP-12	Abandonded	--

System Vapor Sampling

Sample Location	Sample Collected (Y/N)	Time	Grab or Integrated Sample?	Canister Vacuum (inHg)		PID Measurement	Can ID
				Start	Finish		
SDS-1	Y	1000	Grab	-30.0	-5.5	3.8	6815
SDS-2	Y	1005	Grab	-30.0	-6	6.5	6796
Combined Influent	Y	1010	Grab	-29.0	-6	7.1	6812
Pre-VPGAC4	Y	1015	Grab	-29.5	-6	9.2	6814
Post-Dilution Eff	Y	1020	Grab	-29.5	-6	0.7	6803
Post-Blower Eff	Y	1025	Grab	-29.5	-5	0.3	6801

Note: Lots of activity in North area. Removing above-surface concrete structures to east of SDS-2 (former Plating Line), does not appear to be impacting the slab. Excavation/repair occuring at loading dock at southern end of room SDS-2 is in.

Monthly OMM Checklist
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 12/7/2023 **Time:** 900 **Technician:** BKW

Task	Frequency	Conducted (Y/N)	Notes
Complete System Monitoring Log	Monthly	Yes	
Complete Performance Monitoring Log	Monthly	Yes	
Complete Alarm Response Log	As Needed	Yes	
Conduct Instantaneous Sub-Slab Differential Pressure Monitoring	See Table 4	Yes	
Conduct 24-Hour Continuous Differential Pressure Monitoring	See Table 4	No	
Conduct System Vapor sampling	See Table 5	Yes	PID Field Screen; sampled May and December
Blower Inspection	Monthly	Yes	
Knockout Tank Liquid Level Check and/or Draining (1)	Monthly	Yes	
Condensation Check (1)	Monthly	Yes	
In-Line Air Filter Element Inspection and/or Replacement (2)(3)	Monthly	Yes	
Dilution Line Air Filter Element Inspection and/or Replacement	Monthly	Yes	
Extraction Point Riser Inspection	Monthly	Yes	
Discharge Stack Inspection	Monthly	Yes	
Knockout Tank Liquid Level Switches Test(4)(5)	Annual	NA	
Vacuum Transmitters Test (4)(6)	Annual	NA	
Vacuum Relief Valve Test (should open at 80 in w.c. vacuum)	Annual	NA	
Alarm Notification Test	Annual	NA	
VPGAC Changeout	Annual	NA	
Blower Voltage and Current Check (3)	As Needed	No	

Notes:
1) Condensation shall be containerized and disposed of in coordination with Crosman Corporation's procedures.
2) System shall be shutdown prior to performing.
3) Lockout/tagout and work on energized equipment shall be conducted in accordance with Arcadis Safety Program.
4) Will cause system shutdown.
5) Knockout tank shall be filled with water using lower drain port.
6) Vacuum transmitters VT-101 and VT-201 shall read between +/- 5% of vacuum gauges VI-101 and VI-201, respectively.

System Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

ARCADIS

Date: 1/5/2024 **Time:** 900 **Technician:** BKW

SYSTEM STATUS

	YES	NO	Notes
Is blower running?	X		None
Is virtual hand-off-auto switch in the "auto" position?	X		None
Are electrical panel doors securely closed?	X		None

List any active alarms including date/time of occurrence: None

Record electric meter reading (kWh) NA Record blower runtime (hours) 63227

SYSTEM PARAMETERS

SDS-1 applied vacuum (in w.c.) *(VI-001)*	-84	Post-air filter/pre-VPGAC-101 vacuum (in w.c.) *(VI-102)*	-88
SDS-1 header vacuum (in w.c.) *(VI-101)*	-813		
(transmitter VT-101)	-78.5	Pre-VPGAC-101 vacuum (in w.c.) *(VI-103)*	0
SDS-2 applied vacuum (in w.c.) *(VI-002)*	-76	Pre-VPGAC-102 vacuum (in w.c.) *(VI-104)*	-24
SDS-2 header vacuum (in w.c.) *(VI-201)*	-92	Pre-VPGAC-103 vacuum (in w.c.) *(VI-105)*	-80
(transmitter VT-201)	-78.7	Pre-VPGAC-104 vacuum (in w.c.) *(VI-106)*	-82
Knockout tank level *(inches in site gauge)*	8"	Post-VPGAC-104/pre-dilution vacuum *(VI-107)*	-85
Influent temperature *(TI-102)*	50F	Post-dilution/pre-blower vacuum *(VI-108)*	-89
Influent flow rate *(FI-101)*	NA	Post-blower pressure (in w.c.) *(PI-301)*	0
SDS-1 Air Velocity (fpm) (building/shed)	190/217	Post-blower temperature (°F) *(TI-301)*	134F
SDS-2 Air Velocity (fpm) (building/shed)	199/242		
Combined Air Velocity (fpm)	321		

System Valve Positions

	OPENED	CLOSED
SDS-1 extraction point valve V-001	X	
SDS-2 extraction point valve V-002	X	
SDS-1 header valve V-101	X	
SDS-2 header valve V-201	X	
Dilution valve V-119	X	
Vacuum relief valve V-120		X
Pressure relief valve V-301		X

	OPENED	CLOSED
V-102	X	
V-103	X	
V-104		X
V-105		X
V-106		X
V-107	X	
V-108	X	
V-109	X	
V-110		X

	OPENED	CLOSED
V-111		X
V-112		X
V-113		X
V-114		X
V-115		X
V-116		X
V-117		X
V-118		X

GENERAL

Are there any unusual noises, vibrations or odors detected at the system? No

Inspect all fittings, piping, relief valves and sample ports for leaks. Note any observations: All good.

Was enclosure secure upon arrival? (Y/N) Yes

Other notes: Elbow valves dry. Drained 22 gallons from KOT. Touch screen on PLC not working.

Performance Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 1/5/2024 **Time:** 900 **Technician:** BKW

System Status

	YES	NO	Notes
Is blower running?	X		Yes
Was monthly OM&M Log Sheet completed?	X		None
Was instantaneous sub-slab differential pressure monitoring conducted?	X		None
Was air sampling conducted?	X		PID field screen
Was 24-hour continous differential pressure monitoring conducted?		X	None
Indicate indoor air temperature (°F):	55		

Sub-Slab Differential Pressure Monitoring

Vacuum Monitoring Point	Instantaneous Differential Pressure (in w.c.) [*use negative sign to indicate vacuum*]	24-Hour Continuous Monitoring Conducted (Y/N)
VMP-1	-9.83	No
VMP-2	-0.023	No
VMP-3	-0.999	No
VMP-4	-0.025	No
VMP-5	-0.067	No
VMP-6	-0.020	No
VMP-7	-0.012	No
VMP-8	-0.360	No
VMP-9	-0.019	No
VMP-10	-0.014	No
VMP-11	-0.258	No
VMP-12	Abandonded	--

System Vapor Sampling

Sample Location	Sample Collected (Y/N)	Time	Grab or Integrated Sample?	Canister Vacuum (inHg)		PID Measurement	Can ID
				Start	Finish		
SDS-1	N	-	-	-	-	6.4	-
SDS-2	N	-	-	-	-	11.7-28.7	-
Combined Influent	N	-	-	-	-	6.4	-
Pre-VPGAC4	N	-	-	-	-	5.1	-
Post-Dilution Eff	N	-	-	-	-	0.4	-
Post-Blower Eff	N	-	-	-	-	0.2	-

Northern area of SDS-2 is being converted to a warehouse. Shelving is installed. VMP-9 and VMP-11 are under shelves. SDS-2 PID reading taken four times, readings in order: 28.7, 26.2, 16.9, 11.7.

Monthly OMM Checklist
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 1/5/2024 **Time:** 900 **Technician:** BKW

Task	Frequency	Conducted (Y/N)	Notes
Complete System Monitoring Log	Monthly	Yes	
Complete Performance Monitoring Log	Monthly	Yes	
Complete Alarm Response Log	As Needed	Yes	
Conduct Instantaneous Sub-Slab Differential Pressure Monitoring	See Table 4	Yes	
Conduct 24-Hour Continuous Differential Pressure Monitoring	See Table 4	No	
Conduct System Vapor sampling	See Table 5	Yes	PID Field Screen; sampled May and December
Blower Inspection	Monthly	Yes	
Knockout Tank Liquid Level Check and/or Draining (1)	Monthly	Yes	
Condensation Check (1)	Monthly	Yes	
In-Line Air Filter Element Inspection and/or Replacement (2)(3)	Monthly	Yes	
Dilution Line Air Filter Element Inspection and/or Replacement	Monthly	Yes	
Extraction Point Riser Inspection	Monthly	Yes	
Discharge Stack Inspection	Monthly	Yes	
Knockout Tank Liquid Level Switches Test(4)(5)	Annual	NA	
Vacuum Transmitters Test (4)(6)	Annual	NA	
Vacuum Relief Valve Test (should open at 80 in w.c. vacuum)	Annual	NA	
Alarm Notification Test	Annual	NA	
VPGAC Changeout	Annual	NA	
Blower Voltage and Current Check (3)	As Needed	No	

Notes:
1) Condensation shall be containerized and disposed of in coordination with Crosman Corporation's procedures.
2) System shall be shutdown prior to performing.
3) Lockout/tagout and work on energized equipment shall be conducted in accordance with Arcadis Safety Program.
4) Will cause system shutdown.
5) Knockout tank shall be filled with water using lower drain port.
6) Vacuum transmitters VT-101 and VT-201 shall read between +/- 5% of vacuum gauges VI-101 and VI-201, respectively.

System Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

ARCADIS

Date: 2/1/2024 **Time:** 900 **Technician:** BKW

SYSTEM STATUS

	YES	NO	Notes
Is blower running?	X		None
Is virtual hand-off-auto switch in the "auto" position?	X		None
Are electrical panel doors securely closed?	X		None

List any active alarms including date/time of occurrence: High water in KOT

Record electric meter reading (kWh): NA

Record blower runtime (hours): 63884.5

SYSTEM PARAMETERS

SDS-1 applied vacuum (in w.c.) *(VI-001)*	-82	Post-air filter/pre-VPGAC-101 vacuum (in w.c.) *(VI-102)*	-88
SDS-1 header vacuum (in w.c.) *(VI-101)*	-82		
(transmitter VT-101)	-76.9	Pre-VPGAC-101 vacuum (in w.c.) *(VI-103)*	0
SDS-2 applied vacuum (in w.c.) *(VI-002)*	-72	Pre-VPGAC-102 vacuum (in w.c.) *(VI-104)*	0
SDS-2 header vacuum (in w.c.) *(VI-201)*	-92	Pre-VPGAC-103 vacuum (in w.c.) *(VI-105)*	-80
(transmitter VT-201)	-76.4	Pre-VPGAC-104 vacuum (in w.c.) *(VI-106)*	-82
Knockout tank level *(inches in site gauge)*	14"	Post-VPGAC-104/pre-dilution vacuum *(VI-107)*	-84
Influent temperature *(TI-102)*	54F	Post-dilution/pre-blower vacuum *(VI-108)*	-88
Influent flow rate *(FI-101)*	NA	Post-blower pressure (in w.c.) *(PI-301)*	0
SDS-1 Air Velocity (fpm) (building/shed)	178/210	Post-blower temperature (°F) *(TI-301)*	140F
SDS-2 Air Velocity (fpm) (building/shed)	189/220		
Combined Air Velocity (fpm)	267		

System Valve Positions

	OPENED	CLOSED
SDS-1 extraction point valve V-001	X	
SDS-2 extraction point valve V-002	X	
SDS-1 header valve V-101	X	
SDS-2 header valve V-201	X	
Dilution valve V-119	X	
Vacuum relief valve V-120		X
Pressure relief valve V-301		X

	OPENED	CLOSED
V-102	X	
V-103	X	
V-104		X
V-105		X
V-106		X
V-107	X	
V-108	X	
V-109	X	
V-110		X

	OPENED	CLOSED
V-111		X
V-112		X
V-113		X
V-114		X
V-115		X
V-116		X
V-117		X
V-118		X

GENERAL

Are there any unusual noises, vibrations or odors detected at the system? No

Inspect all fittings, piping, relief valves and sample ports for leaks. Note any observations: All good.

Was enclosure secure upon arrival? (Y/N) Yes

Other notes: Drained 2 gallons on condensation from elbow valves and 35 gallons from the KOT.

System Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 2/1/2024 **Time:** 900 **Technician:** BKW

System Status

	YES	NO	Notes
Is blower running?	X		Yes
Was monthly OM&M Log Sheet completed?	X		None
Was instantaneous sub-slab differential pressure monitoring conducted?	X		None
Was air sampling conducted?	X		PID field screen
Was 24-hour continous differential pressure monitoring conducted?		X	None
Indicate indoor air temperature (°F):	55		

Sub-Slab Differential Pressure Monitoring

Vacuum Monitoring Point	Instantaneous Differential Pressure (in w.c.) [*use negative sign to indicate vacuum*]	24-Hour Continuous Monitoring Conducted (Y/N)
VMP-1	Abandonded	--
VMP-2	-0.021	No
VMP-3	-1.059	No
VMP-4	-0.015	No
VMP-5	Abandonded	--
VMP-6	-0.033	No
VMP-7	-0.005	No
VMP-8	-0.375	No
VMP-9	-0.013	No
VMP-10	Abandonded	--
VMP-11	-0.388	No
VMP-12	Abandonded	--

System Vapor Sampling

Sample Location	Sample Collected (Y/N)	Time	Grab or Integrated Sample?	Canister Vacuum (inHg)		PID Measurement	Can ID
				Start	Finish		
SDS-1	N	-	-	-	-	8.0	-
SDS-2	N	-	-	-	-	9.8	-
Combined Influent	N	-	-	-	-	9.9	-
Pre-VPGAC4	N	-	-	-	-	11.9	-
Post-Dilution Eff	N	-	-	-	-	0.9	-
Post-Blower Eff	N	-	-	-	-	0.7	-

On 1/19/2024: VMP-1, VMP-5, and VMP-10 were abandoned (sealed with hydraulic cement) due to new site operations in the area. VMP-2, VMP-3, VMP-7, VMP-9, and VMP-11 were abandoned and relocated to new locations near the original locations. All VMP relocations were made to accomodate new site operations and ensure continued access. All new locations were established at the same distance from their respective SDS extraction location.

System Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 2/1/2024 **Time:** 900 **Technician:** BKW

Task	Frequency	Conducted (Y/N)	Notes
Complete System Monitoring Log	Monthly	Yes	
Complete Performance Monitoring Log	Monthly	Yes	
Complete Alarm Response Log	As Needed	Yes	
Conduct Instantaneous Sub-Slab Differential Pressure Monitoring	See Table 4	Yes	
Conduct 24-Hour Continuous Differential Pressure Monitoring	See Table 4	No	
Conduct System Vapor sampling	See Table 5	Yes	PID Field Screen; sampled May and December
Blower Inspection	Monthly	Yes	
Knockout Tank Liquid Level Check and/or Draining (1)	Monthly	Yes	
Condensation Check (1)	Monthly	Yes	
In-Line Air Filter Element Inspection and/or Replacement (2)(3)	Monthly	Yes	
Dilution Line Air Filter Element Inspection and/or Replacement	Monthly	Yes	
Extraction Point Riser Inspection	Monthly	Yes	
Discharge Stack Inspection	Monthly	Yes	
Knockout Tank Liquid Level Switches Test(4)(5)	Annual	NA	
Vacuum Transmitters Test (4)(6)	Annual	NA	
Vacuum Relief Valve Test (should open at 80 in w.c. vacuum)	Annual	NA	
Alarm Notification Test	Annual	NA	
VPGAC Changeout	Annual	NA	
Blower Voltage and Current Check (3)	As Needed	No	

Notes:
1) Condensation shall be containerized and disposed of in coordination with Crosman Corporation's procedures.
2) System shall be shutdown prior to performing.
3) Lockout/tagout and work on energized equipment shall be conducted in accordance with Arcadis Safety Program.
4) Will cause system shutdown.
5) Knockout tank shall be filled with water using lower drain port.
6) Vacuum transmitters VT-101 and VT-201 shall read between +/- 5% of vacuum gauges VI-101 and VI-201, respectively.

System Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

ARCADIS

Date: 3/6/2024 **Time:** 900 **Technician:** BKW

SYSTEM STATUS

	YES	NO	Notes
Is blower running?	X		None
Is virtual hand-off-auto switch in the "auto" position?	X		None
Are electrical panel doors securely closed?	X		None

List any active alarms including date/time of occurrence: None

Record electric meter reading (kWh) NA

Record blower runtime (hours) 64666.5

SYSTEM PARAMETERS

SDS-1 applied vacuum (in w.c.) *(VI-001)*	-80	Post-air filter/pre-VPGAC-101 vacuum (in w.c.) *(VI-102)*	-86
SDS-1 header vacuum (in w.c.) *(VI-101)*	-80		
(transmitter VT-101)	-74.2	Pre-VPGAC-101 vacuum (in w.c.) *(VI-103)*	0
SDS-2 applied vacuum (in w.c.) *(VI-002)*	-78	Pre-VPGAC-102 vacuum (in w.c.) *(VI-104)*	0
SDS-2 header vacuum (in w.c.) *(VI-201)*	-88	Pre-VPGAC-103 vacuum (in w.c.) *(VI-105)*	-78
(transmitter VT-201)	-74.2	Pre-VPGAC-104 vacuum (in w.c.) *(VI-106)*	-80
Knockout tank level *(inches in site gauge)*	0"	Post-VPGAC-104/pre-dilution vacuum *(VI-107)*	-82
Influent temperature *(TI-102)*	68F	Post-dilution/pre-blower vacuum *(VI-108)*	-88
Influent flow rate *(FI-101)*	NA	Post-blower pressure (in w.c.) *(PI-301)*	0
SDS-1 Air Velocity (fpm) (building/shed)	116/129	Post-blower temperature (°F) *(TI-301)*	156F
SDS-2 Air Velocity (fpm) (building/shed)	217/189		
Combined Air Velocity (fpm)	282		

System Valve Positions

	OPENED	CLOSED
SDS-1 extraction point valve V-001	X	
SDS-2 extraction point valve V-002	X	
SDS-1 header valve V-101	X	
SDS-2 header valve V-201	X	
Dilution valve V-119	X	
Vacuum relief valve V-120		X
Pressure relief valve V-301		X

	OPENED	CLOSED
V-102	X	
V-103	X	
V-104		X
V-105		X
V-106		X
V-107	X	
V-108	X	
V-109	X	
V-110		X

	OPENED	CLOSED
V-111		X
V-112		X
V-113		X
V-114		X
V-115		X
V-116		X
V-117		X
V-118		X

GENERAL

Are there any unusual noises, vibrations or odors detected at the system? No

Lots of activitiy in area of SDS-1. Office near SDS-1 removed, need bollards around SDS-1 riser. Mac All good.

Was enclosure secure upon arrival? (Y/N) Yes

Other notes: Drained elbow valves and KOT on 3/1/24 due to high level in KOT.

Performance Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 3/6/2024 **Time:** 900 **Technician:** BKW

System Status

	YES	NO	Notes
Is blower running?	X		Yes
Was monthly OM&M Log Sheet completed?	X		None
Was instantaneous sub-slab differential pressure monitoring conducted?	X		None
Was air sampling conducted?	X		PID field screen
Was 24-hour continous differential pressure monitoring conducted?		X	None
Indicate indoor air temperature (°F):	65		

Sub-Slab Differential Pressure Monitoring

Vacuum Monitoring Point	Instantaneous Differential Pressure (in w.c.) [*use negative sign to indicate vacuum*]	24-Hour Continuous Monitoring Conducted (Y/N)
VMP-1	Abandonded	--
VMP-2	-0.025	No
VMP-3	-0.971	No
VMP-4	-0.02	No
VMP-5	Abandonded	--
VMP-6	-0.027	No
VMP-7	-0.007	No
VMP-8	-0.397	No
VMP-9	-0.016	No
VMP-10	Abandonded	--
VMP-11	-0.423	No
VMP-12	Abandonded	--

System Vapor Sampling

Sample Location	Sample Collected (Y/N)	Time	Grab or Integrated Sample?	Canister Vacuum (inHg)		PID Measurement	Can ID
				Start	Finish		
SDS-1	N	-	-	-	-	10.1	-
SDS-2	N	-	-	-	-	36.1	-
Combined Influent	N	-	-	-	-	38.6	-
Pre-VPGAC4	N	-	-	-	-	61.4	-
Post-Dilution Eff	N	-	-	-	-	3.4	-
Post-Blower Eff	N	-	-	-	-	1.9	-

Lots of activitiy in area of SDS-1. Office near SDS-1 removed, need bollards around SDS-1 riser. Machinery in process of being removed near VMP-6. VMP-6 filled with oil/water mixure, seal around pins are okay. VMP-6 cap is bent up, should re-check once renovations are complete. Cap on VMP-11 is bent, seal around pin in okay.

Monthly OMM Checklist
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 3/6/2024 **Time:** 900 **Technician:** BKW

Task	Frequency	Conducted (Y/N)	Notes
Complete System Monitoring Log	Monthly	Yes	
Complete Performance Monitoring Log	Monthly	Yes	
Complete Alarm Response Log	As Needed	Yes	
Conduct Instantaneous Sub-Slab Differential Pressure Monitoring	See Table 4	Yes	
Conduct 24-Hour Continuous Differential Pressure Monitoring	See Table 4	No	
Conduct System Vapor sampling	See Table 5	Yes	PID Field Screen; sampled May and December
Blower Inspection	Monthly	Yes	
Knockout Tank Liquid Level Check and/or Draining (1)	Monthly	Yes	
Condensation Check (1)	Monthly	Yes	
In-Line Air Filter Element Inspection and/or Replacement (2)(3)	Monthly	Yes	
Dilution Line Air Filter Element Inspection and/or Replacement	Monthly	Yes	
Extraction Point Riser Inspection	Monthly	Yes	
Discharge Stack Inspection	Monthly	Yes	
Knockout Tank Liquid Level Switches Test(4)(5)	Annual	NA	
Vacuum Transmitters Test (4)(6)	Annual	NA	
Vacuum Relief Valve Test (should open at 80 in w.c. vacuum)	Annual	NA	
Alarm Notification Test	Annual	NA	
VPGAC Changeout	Annual	NA	
Blower Voltage and Current Check (3)	As Needed	No	

Notes:
1) Condensation shall be containerized and disposed of in coordination with Crosman Corporation's procedures.
2) System shall be shutdown prior to performing.
3) Lockout/tagout and work on energized equipment shall be conducted in accordance with Arcadis Safety Program.
4) Will cause system shutdown.
5) Knockout tank shall be filled with water using lower drain port.
6) Vacuum transmitters VT-101 and VT-201 shall read between +/- 5% of vacuum gauges VI-101 and VI-201, respectively.

System Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

ARCADIS

Date: 4/5/2024 **Time:** 900 **Technician:** BKW

SYSTEM STATUS

	YES	NO	Notes
Is blower running?	X		None
Is virtual hand-off-auto switch in the "auto" position?	X		None
Are electrical panel doors securely closed?	X		None

List any active alarms including date/time of occurrence: None

Record electric meter reading (kWh) NA

Record blower runtime (hours) 65396.4

SYSTEM PARAMETERS

SDS-1 applied vacuum (in w.c.) *(VI-001)*	-82	Post-air filter/pre-VPGAC-101 vacuum (in w.c.) *(VI-102)*	-88
SDS-1 header vacuum (in w.c.) *(VI-101)*	-82		
(transmitter VT-101)	-76.6	Pre-VPGAC-101 vacuum (in w.c.) *(VI-103)*	0
SDS-2 applied vacuum (in w.c.) *(VI-002)*	-72	Pre-VPGAC-102 vacuum (in w.c.) *(VI-104)*	-6
SDS-2 header vacuum (in w.c.) *(VI-201)*	-90	Pre-VPGAC-103 vacuum (in w.c.) *(VI-105)*	-80
(transmitter VT-201)	-76.8	Pre-VPGAC-104 vacuum (in w.c.) *(VI-106)*	-80
Knockout tank level *(inches in site gauge)*	9"	Post-VPGAC-104/pre-dilution vacuum *(VI-107)*	-84
Influent temperature *(TI-102)*	52F	Post-dilution/pre-blower vacuum *(VI-108)*	-88
Influent flow rate *(FI-101)*	NA	Post-blower pressure (in w.c.) *(PI-301)*	0
SDS-1 Air Velocity (fpm) (building/shed)	184/199	Post-blower temperature (°F) *(TI-301)*	140F
SDS-2 Air Velocity (fpm) (building/shed)	179/223		
Combined Air Velocity (fpm)	241		

System Valve Positions

	OPENED	CLOSED
SDS-1 extraction point valve V-001	X	
SDS-2 extraction point valve V-002	X	
SDS-1 header valve V-101	X	
SDS-2 header valve V-201	X	
Dilution valve V-119	X	
Vacuum relief valve V-120		X
Pressure relief valve V-301		X

	OPENED	CLOSED
V-102	X	
V-103	X	
V-104		X
V-105		X
V-106		X
V-107	X	
V-108	X	
V-109	X	
V-110		X

	OPENED	CLOSED
V-111		X
V-112		X
V-113		X
V-114		X
V-115		X
V-116		X
V-117		X
V-118		X

GENERAL

Are there any unusual noises, vibrations or odors detected at the system? No

Lots of activitiy in area of SDS-1, need bollards around SDS-1 riser. Cap on VMP-11 is bent, seal aro All good.

Was enclosure secure upon arrival? (Y/N) Yes

Other notes: Drained 25 gallons from elbow valves and KOT.

Performance Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 4/5/2024 **Time:** 900 **Technician:** BKW

System Status

	YES	NO	Notes
Is blower running?	X		Yes
Was monthly OM&M Log Sheet completed?	X		None
Was instantaneous sub-slab differential pressure monitoring conducted?	X		None
Was air sampling conducted?	X		PID field screen
Was 24-hour continous differential pressure monitoring conducted?		X	None
Indicate indoor air temperature (°F):	65		

Sub-Slab Differential Pressure Monitoring

Vacuum Monitoring Point	Instantaneous Differential Pressure (in w.c.) [*use negative sign to indicate vacuum*]	24-Hour Continuous Monitoring Conducted (Y/N)
VMP-1	Abandonded	--
VMP-2	-0.022	No
VMP-3	-1.000	No
VMP-4	-0.021	No
VMP-5	Abandonded	--
VMP-6	-0.026	No
VMP-7	-0.011	No
VMP-8	-0.368	No
VMP-9	-0.012	No
VMP-10	Abandonded	--
VMP-11	-0.409	No
VMP-12	Abandonded	--

System Vapor Sampling

Sample Location	Sample Collected (Y/N)	Time	Grab or Integrated Sample?	Canister Vacuum (inHg)		PID Measurement	Can ID
				Start	Finish		
SDS-1	N	-	-	-	-	5.5	-
SDS-2	N	-	-	-	-	5.9	-
Combined Influent	N	-	-	-	-	4.5	-
Pre-VPGAC4	N	-	-	-	-	5.9	-
Post-Dilution Eff	N	-	-	-	-	0.5	-
Post-Blower Eff	N	-	-	-	-	0.6	-

Lots of activitiy in area of SDS-1, need bollards around SDS-1 riser. Cap on VMP-11 is bent, seal around pin in okay.

Monthly OMM Checklist
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 4/5/2024 **Time:** 900 **Technician:** BKW

Task	Frequency	Conducted (Y/N)	Notes
Complete System Monitoring Log	Monthly	Yes	
Complete Performance Monitoring Log	Monthly	Yes	
Complete Alarm Response Log	As Needed	Yes	
Conduct Instantaneous Sub-Slab Differential Pressure Monitoring	See Table 4	Yes	
Conduct 24-Hour Continuous Differential Pressure Monitoring	See Table 4	No	
Conduct System Vapor sampling	See Table 5	Yes	PID Field Screen; sampled May and December
Blower Inspection	Monthly	Yes	
Knockout Tank Liquid Level Check and/or Draining (1)	Monthly	Yes	
Condensation Check (1)	Monthly	Yes	
In-Line Air Filter Element Inspection and/or Replacement (2)(3)	Monthly	Yes	
Dilution Line Air Filter Element Inspection and/or Replacement	Monthly	Yes	
Extraction Point Riser Inspection	Monthly	Yes	
Discharge Stack Inspection	Monthly	Yes	
Knockout Tank Liquid Level Switches Test(4)(5)	Annual	NA	
Vacuum Transmitters Test (4)(6)	Annual	NA	
Vacuum Relief Valve Test (should open at 80 in w.c. vacuum)	Annual	NA	
Alarm Notification Test	Annual	NA	
VPGAC Changeout	Annual	NA	
Blower Voltage and Current Check (3)	As Needed	No	

Notes:
1) Condensation shall be containerized and disposed of in coordination with Crosman Corporation's procedures.
2) System shall be shutdown prior to performing.
3) Lockout/tagout and work on energized equipment shall be conducted in accordance with Arcadis Safety Program.
4) Will cause system shutdown.
5) Knockout tank shall be filled with water using lower drain port.
6) Vacuum transmitters VT-101 and VT-201 shall read between +/- 5% of vacuum gauges VI-101 and VI-201, respectively.

System Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

ARCADIS

Date: 5/3/2024 **Time:** 830 **Technician:** BKW

SYSTEM STATUS

	YES	NO	Notes
Is blower running?	X		None
Is virtual hand-off-auto switch in the "auto" position?	X		None
Are electrical panel doors securely closed?	X		None

List any active alarms including date/time of occurrence: None

Record electric meter reading (kWh) NA

Record blower runtime (hours) 65996.9

SYSTEM PARAMETERS

SDS-1 applied vacuum (in w.c.) *(VI-001)*	-80	Post-air filter/pre-VPGAC-101 vacuum (in w.c.) *(VI-102)*	-86
SDS-1 header vacuum (in w.c.) *(VI-101)*	-79		
(transmitter VT-101)	-73.8	Pre-VPGAC-101 vacuum (in w.c.) *(VI-103)*	0
SDS-2 applied vacuum (in w.c.) *(VI-002)*	-76	Pre-VPGAC-102 vacuum (in w.c.) *(VI-104)*	0
SDS-2 header vacuum (in w.c.) *(VI-201)*	-88	Pre-VPGAC-103 vacuum (in w.c.) *(VI-105)*	-78
(transmitter VT-201)	-73.8	Pre-VPGAC-104 vacuum (in w.c.) *(VI-106)*	-80
Knockout tank level *(inches in site gauge)*	0"	Post-VPGAC-104/pre-dilution vacuum *(VI-107)*	-82
Influent temperature *(TI-102)*	70F	Post-dilution/pre-blower vacuum *(VI-108)*	-88
Influent flow rate *(FI-101)*	NA	Post-blower pressure (in w.c.) *(PI-301)*	0
SDS-1 Air Velocity (fpm) (building/shed)	161/150	Post-blower temperature (°F) *(TI-301)*	156F
SDS-2 Air Velocity (fpm) (building/shed)	168/190		
Combined Air Velocity (fpm)	243		

System Valve Positions

	OPENED	CLOSED
SDS-1 extraction point valve V-001	X	
SDS-2 extraction point valve V-002	X	
SDS-1 header valve V-101	X	
SDS-2 header valve V-201	X	
Dilution valve V-119	X	
Vacuum relief valve V-120		X
Pressure relief valve V-301		X

	OPENED	CLOSED
V-102	X	
V-103	X	
V-104		X
V-105		X
V-106		X
V-107	X	
V-108	X	
V-109	X	
V-110		X

	OPENED	CLOSED
V-111		X
V-112		X
V-113		X
V-114		X
V-115		X
V-116		X
V-117		X
V-118		X

GENERAL

Are there any unusual noises, vibrations or odors detected at the system? No

Inspect all fittings, piping, relief valves and sample ports for leaks. Note any observations: All good.

Was enclosure secure upon arrival? (Y/N) Yes

Other notes:

Performance Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 5/3/2024 **Time:** 830 **Technician:** BKW

System Status

	YES	NO	Notes
Is blower running?	X		Yes
Was monthly OM&M Log Sheet completed?	X		None
Was instantaneous sub-slab differential pressure monitoring conducted?	X		None
Was air sampling conducted?	X		PID field screen and Summa Canisters
Was 24-hour continous differential pressure monitoring conducted?		X	None
Indicate indoor air temperature (°F):	70		

Sub-Slab Differential Pressure Monitoring

Vacuum Monitoring Point	Instantaneous Differential Pressure (in w.c.) [*use negative sign to indicate vacuum*]	24-Hour Continuous Monitoring Conducted (Y/N)
VMP-1	Abandonded	--
VMP-2	-0.026	No
VMP-3	-0.968	No
VMP-4	-0.022	No
VMP-5	Abandonded	--
VMP-6	-0.033	No
VMP-7	-0.003	No
VMP-8	-0.368	No
VMP-9	-0.017	No
VMP-10	Abandonded	--
VMP-11	-0.405	No
VMP-12	Abandonded	--

System Vapor Sampling

Sample Location	Sample Collected (Y/N)	Time	Grab or Integrated Sample?	Canister Vacuum (inHg)		PID Measurement	Can ID
				Start	Finish		
SDS-1	Y	1020	Grab	-28.0	-6	1.0	6946
SDS-2	Y	1025	Grab	-29.0	-6.5	3.7	3583
Combined Influent	Y	1030	Grab	-29.0	-6	4.2	4656
Pre-VPGAC4	Y	1035	Grab	-29.0	-6	5.3	4648
Post-Dilution Eff	Y	1040	Grab	-29.0	-6	0.0	8516
Post-Blower Eff	Y	1045	Grab	-28.5	-2	0.0	34000915

Monthly OMM Checklist
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 5/3/2024 **Time:** 900 **Technician:** BKW

Task	Frequency	Conducted (Y/N)	Notes
Complete System Monitoring Log	Monthly	Yes	
Complete Performance Monitoring Log	Monthly	Yes	
Complete Alarm Response Log	As Needed	Yes	
Conduct Instantaneous Sub-Slab Differential Pressure Monitoring	See Table 4	Yes	
Conduct 24-Hour Continuous Differential Pressure Monitoring	See Table 4	No	
Conduct System Vapor sampling	See Table 5	Yes	PID Field Screen; sampled May and December
Blower Inspection	Monthly	Yes	
Knockout Tank Liquid Level Check and/or Draining (1)	Monthly	Yes	
Condensation Check (1)	Monthly	Yes	
In-Line Air Filter Element Inspection and/or Replacement (2)(3)	Monthly	Yes	
Dilution Line Air Filter Element Inspection and/or Replacement	Monthly	Yes	
Extraction Point Riser Inspection	Monthly	Yes	
Discharge Stack Inspection	Monthly	Yes	
Knockout Tank Liquid Level Switches Test(4)(5)	Annual	NA	
Vacuum Transmitters Test (4)(6)	Annual	NA	
Vacuum Relief Valve Test (should open at 80 in w.c. vacuum)	Annual	NA	
Alarm Notification Test	Annual	NA	
VPGAC Changeout	Annual	NA	
Blower Voltage and Current Check (3)	As Needed	No	

Notes:
1) Condensation shall be containerized and disposed of in coordination with Crosman Corporation's procedures.
2) System shall be shutdown prior to performing.
3) Lockout/tagout and work on energized equipment shall be conducted in accordance with Arcadis Safety Program.
4) Will cause system shutdown.
5) Knockout tank shall be filled with water using lower drain port.
6) Vacuum transmitters VT-101 and VT-201 shall read between +/- 5% of vacuum gauges VI-101 and VI-201, respectively.

System Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

ARCADIS

Date: 6/6/2024 **Time:** 900 **Technician:** BKW

SYSTEM STATUS

	YES	NO	Notes
Is blower running?	X		None
Is virtual hand-off-auto switch in the "auto" position?	X		None
Are electrical panel doors securely closed?	X		None

List any active alarms including date/time of occurrence:

Record electric meter reading (kWh) NA

Record blower runtime (hours) 66513.1

SYSTEM PARAMETERS

SDS-1 applied vacuum (in w.c.) *(VI-001)*	-78	Post-air filter/pre-VPGAC-101 vacuum (in w.c.) *(VI-102)*	-84
SDS-1 header vacuum (in w.c.) *(VI-101)*	-77		
(transmitter VT-101)	-71.5	Pre-VPGAC-101 vacuum (in w.c.) *(VI-103)*	0
SDS-2 applied vacuum (in w.c.) *(VI-002)*	-76	Pre-VPGAC-102 vacuum (in w.c.) *(VI-104)*	0
SDS-2 header vacuum (in w.c.) *(VI-201)*	-75	Pre-VPGAC-103 vacuum (in w.c.) *(VI-105)*	-77
(transmitter VT-201)	-71.5	Pre-VPGAC-104 vacuum (in w.c.) *(VI-106)*	-78
Knockout tank level *(inches in site gauge)*	0"	Post-VPGAC-104/pre-dilution vacuum *(VI-107)*	-80
Influent temperature *(TI-102)*	80F	Post-dilution/pre-blower vacuum *(VI-108)*	-87
Influent flow rate *(FI-101)*	NA	Post-blower pressure (in w.c.) *(PI-301)*	0
SDS-1 Air Velocity (fpm) (building/shed)	158/160	Post-blower temperature (°F) *(TI-301)*	166F
SDS-2 Air Velocity (fpm) (building/shed)	172/193		
Combined Air Velocity (fpm)	221		

System Valve Positions

	OPENED	CLOSED
SDS-1 extraction point valve V-001	X	
SDS-2 extraction point valve V-002	X	
SDS-1 header valve V-101	X	
SDS-2 header valve V-201	X	
Dilution valve V-119	X	
Vacuum relief valve V-120		X
Pressure relief valve V-301		X

	OPENED	CLOSED
V-102	X	
V-103	X	
V-104		X
V-105		X
V-106		X
V-107	X	
V-108	X	
V-109	X	
V-110		X

	OPENED	CLOSED
V-111		X
V-112		X
V-113		X
V-114		X
V-115		X
V-116		X
V-117		X
V-118		X

GENERAL

Are there any unusual noises, vibrations or odors detected at the system? No

Inspect all fittings, piping, relief valves and sample ports for leaks. Note any observations: All good.

Was enclosure secure upon arrival? (Y/N) Yes

Other notes:

Performance Monitoring Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 6/6/2024 **Time:** 830 **Technician:** BKW

System Status

	YES	NO	Notes
Is blower running?	X		Yes
Was monthly OM&M Log Sheet completed?	X		None
Was instantaneous sub-slab differential pressure monitoring conducted?	X		None
Was air sampling conducted?	X		PID field screen
Was 24-hour continous differential pressure monitoring conducted?		X	None
Indicate indoor air temperature (°F):	75		

Sub-Slab Differential Pressure Monitoring

Vacuum Monitoring Point	Instantaneous Differential Pressure (in w.c.) [*use negative sign to indicate vacuum*]	24-Hour Continuous Monitoring Conducted (Y/N)
VMP-1	Abandonded	--
VMP-2	-0.031	No
VMP-3	-0.876	No
VMP-4	-0.019	No
VMP-5	Abandonded	--
VMP-6	-0.035	No
VMP-7	-0.002	No
VMP-8	-0.415	No
VMP-9	-0.018	No
VMP-10	Abandonded	--
VMP-11	-0.372	No
VMP-12	Abandonded	--

System Vapor Sampling

Sample Location	Sample Collected (Y/N)	Time	Grab or Integrated Sample?	Canister Vacuum (inHg)		PID Measurement	Can ID
				Start	Finish		
SDS-1	N	-	-	-	-	5.3	-
SDS-2	N	-	-	-	-	4.7	-
Combined Influent	N	-	-	-	-	6.3	-
Pre-VPGAC4	N	-	-	-	-	4.0	-
Post-Dilution Eff	N	-	-	-	-	1.0	-
Post-Blower Eff	N	-	-	-	-	1.0	-

Monthly OMM Checklist
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 6/6/2024 **Time:** 900 **Technician:** BKW

Task	Frequency	Conducted (Y/N)	Notes
Complete System Monitoring Log	Monthly	Yes	
Complete Performance Monitoring Log	Monthly	Yes	
Complete Alarm Response Log	As Needed	Yes	
Conduct Instantaneous Sub-Slab Differential Pressure Monitoring	See Table 4	Yes	
Conduct 24-Hour Continuous Differential Pressure Monitoring	See Table 4	No	
Conduct System Vapor sampling	See Table 5	Yes	PID Field Screen; sampled May and December
Blower Inspection	Monthly	Yes	
Knockout Tank Liquid Level Check and/or Draining (1)	Monthly	Yes	
Condensation Check (1)	Monthly	Yes	
In-Line Air Filter Element Inspection and/or Replacement (2)(3)	Monthly	Yes	
Dilution Line Air Filter Element Inspection and/or Replacement	Monthly	Yes	
Extraction Point Riser Inspection	Monthly	Yes	
Discharge Stack Inspection	Monthly	Yes	
Knockout Tank Liquid Level Switches Test(4)(5)	Annual	NA	
Vacuum Transmitters Test (4)(6)	Annual	NA	
Vacuum Relief Valve Test (should open at 80 in w.c. vacuum)	Annual	NA	
Alarm Notification Test	Annual	NA	
VPGAC Changeout	Annual	NA	
Blower Voltage and Current Check (3)	As Needed	No	

Notes:
1) Condensation shall be containerized and disposed of in coordination with Crosman Corporation's procedures.
2) System shall be shutdown prior to performing.
3) Lockout/tagout and work on energized equipment shall be conducted in accordance with Arcadis Safety Program.
4) Will cause system shutdown.
5) Knockout tank shall be filled with water using lower drain port.
6) Vacuum transmitters VT-101 and VT-201 shall read between +/- 5% of vacuum gauges VI-101 and VI-201, respectively.

Alarm Response Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 8/1/2023 **Time:** 1530 **Technician:** BKW

Alarm Condition:

Power Loss

Cause of Alarm:

Power Loss to System

Corrective Action:

Visual system check, no issues

Reset and restart system

Blower Runtime = 59613.2

Alarm Response Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 8/31/2023 **Time:** 1100 **Technician:** BKW

Alarm Condition:

Power Loss

Cause of Alarm:

Power Loss to System

Corrective Action:

Visual system check, no issues

Reset and restart system

Blower Runtime = 60314.2

Alarm Response Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 9/13/2023 **Time:** 1345 **Technician:** ADR

Alarm Condition:

No alarm notice sent, when system re-start attempted, "Blower Fail to Start" Alarm registered and system would not run.

Cause of Alarm:

System restart attempts failed due to PLC faults.

Further investigation suggests program may have been wiped from PLC. Cause unknown, but suspected to be due to reaching storage limit of the PLC.

Corrective Action:

Old data deleted to free up storage, Program is reloaded to PLC.

Visual system check, no issues

Reset and restart system

Blower Runtime = 60490.0

Alarm Response Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 12/7/2023 **Time:** 840 **Technician:** BKW

Alarm Condition:

Power Loss

Cause of Alarm:

Power Loss to System

Corrective Action:

Visual system check, no issues

Reset and restart system

Blower Runtime = 62518.9

Alarm Response Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 3/1/2024 **Time:** 1245 **Technician:** BKW

Alarm Condition:

Power Loss

Cause of Alarm:

Power Loss to System

Corrective Action:

Visual system check, no issues

Reset and restart system

Blower Runtime = 64547.7

Alarm Response Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 5/1/2024 **Time:** 945 **Technician:** ADR

Alarm Condition:

Power Loss

Cause of Alarm:

Power Loss to System

Corrective Action:

Visual system check, no issues

Reset and restart system

Blower Runtime = 65949.5

Alarm Response Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 5/8/2024 **Time:** 1230 **Technician:** ADR

Alarm Condition:

Power Loss

Cause of Alarm:

Power Loss to System

Corrective Action:

Visual system check, no issues

Reset and restart system

Blower Runtime = 66096.6

Alarm Response Log
Sub-Slab Depressurization System
Crosman Corporation, East Bloomfield, New York

Date: 6/3/2024 **Time:** 1000 **Technician:** ADR

Alarm Condition:

UPS Fault

Cause of Alarm:

Unknown

Corrective Action:

UPS was reset, no other issues observed

Reset and restart system

Blower Runtime = 66440.4

Appendix C

Site Inspection Form

Site Inspection Form
Site Management Plan
Crosman Corporation, East Bloomfield, New York

ARCADIS Design & Consultancy for natural and built assets

Date: December 7, 2023 **Time:** 1130 **Personnel:** Aaron D. Richardson

Compliance with Institutional Controls	**Conducted (Y/N)**	**Notes**
Is the site being utilized for uses other than General Industrial Use?	N	
Is the site operating in compliance with the Deed Restriction?	Y	
Performance of the Engineering Controls		
Is the SSDS operating?	Y	
Have SSDS monitoring sampling been conducted, per the SMP?	Y	Completed in December 2023, planned for May 2024
Any reported issues with the SSDS operation?	N	
Is production well PW-1 operating?	Y	
Has groundwater monitoring been conducted, per the SMP?	Y	Completed in October 2023, planned for April 2024
Any reported issues with production well PW-1?	N	
Is the concrete floor intact at the west end of the building?	Y	
Any cracks or holes identified?	N	
Any reported issues with the concrete floor cover system?	N	
Green Remediation Evaluation		
Are energy conservation controls being implemented?	Y	
Has any solid waste been generated?	N	
Is off-site waste transportation required?	N	
Have water and/or land usage requirements changed?	N	
Are any ecosystems being distrubed by the remedial activities?	N	

Notes:

Appendix D

NYSDEC Approvals

Richardson, Aaron

From: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Sent: Friday, October 9, 2020 10:21 AM
To: Richardson, Aaron
Cc: Pratt, David (DEC); Perretta, Anthony C (HEALTH); Popham, William; Pratt, David (DEC)
Subject: RE: Crosman Site SSDS

Aaron,
The Department approves the removal of control equipment for the SSDS discharge. Please include the results of the AERSCREEN modelling in the SMP. I have a few minor edits to the text in the SMP so don't send me a revised plan until I get those to you next week. Thanks.

-Todd

Todd M. Caffoe, P.E.
Division of Environmental Remediation

New York State Department of Environmental Conservation
6274 East Avon-Lima Road, Avon, NY 14414
P: (585) 226-5350 |Todd.Caffoe@dec.ny.gov

www.dec.ny.gov |

From: Richardson, Aaron <Aaron.Richardson@arcadis.com>
Sent: Monday, September 21, 2020 2:25 PM
To: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Cc: Pratt, David (DEC) <david.pratt@dec.ny.gov>; Perretta, Anthony C (HEALTH) <anthony.perretta@health.ny.gov>; Popham, William <William.Popham@arcadis.com>
Subject: RE: Crosman Site SSDS

Todd,

As requested, please find the attached file which shows the AERSCREEN modelling inputs and results (compared against short and long term guidance concentrations). Please reply with your approval that these results satisfactorily show that carbon treatment can be terminated.

Regarding the SMP language, we have tracked the revisions to the text (in Red Line-Strike Out format) reflecting the termination of the carbon treatment. Please advise if you would like to review these changes (in RLSO) now, before we do a formal revision, or if you just want to see the formal revision after you hear from DOH?

If you have any questions, please let me know. Thank you

From: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Sent: Thursday, September 17, 2020 12:12 PM
To: Richardson, Aaron <Aaron.Richardson@arcadis.com>
Cc: Pratt, David (DEC) <david.pratt@dec.ny.gov>; Perretta, Anthony C (HEALTH) <anthony.perretta@health.ny.gov>; Popham, William <William.Popham@arcadis.com>
Subject: Re: Crosman Site SSDS

Hi Aaron,
I am fine with removal of the carbon treatment system as long as it meets Air-Guide 1. I expected discharge from the SSDS would not require controls after startup.

Just provide me with a copy of the results from the AERSCREEN modelling system compared to the short and long-term guidance concentrations.

Please feel free to revise the language in the SMP accordingly. I have not heard back from DOH yet on the SMP so don't send me the revised SMP until I hear from them.

Thanks. Please let me know if you have any additional questions.

-Todd

Due to the COVID-19 Health Crisis, I will mainly be working from home until further notice. Please e-mail if you need to reach me. If you need immediate assistance, please contact our unit secretary, Teri Cotter, at teri.cotter@dec.ny.gov or 585-226-5353, and she will direct your inquiry.

Todd M. Caffoe, P.E.

Division of Environmental Remediation

New York State Department of Environmental Conservation

6274 East Avon-Lima Road, Avon, NY 14414

P: (585) 226-5350 |Todd.Caffoe@dec.ny.gov

From: Richardson, Aaron <Aaron.Richardson@arcadis.com>
Sent: Wednesday, September 16, 2020 1:24 PM
To: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Cc: Popham, William <William.Popham@arcadis.com>
Subject: Crosman Site SSDS

Hello Todd,

For the SSDS at the Crosman site, we were planning to change out the carbon later this fall, when the question was raised as to whether we actually needed to treat through carbon any longer. In order to determine this, we had our internal air experts evaluate the system, putting the 2020 analytical data, along with all of the site parameters, into the AERSCREEN modelling system. The resulting output indicates that we could direct discharge (without any treatment) and still be below, both the DAR-1 short and long-term guideline concentrations.

With that in mind, and knowing that the SMP is still pending approval, we were thinking that it may make sense to revise the language within the SMP (as it relates to SSDS treatment) now before it is finalized. Please let us know your thoughts on this, and also let us know what you would like to see from us to demonstrate that we can run the SSDS without treatment? Is a simple email summarizing the modelling inputs/outputs adequate and/or would you like to see a formal request (i.e. letter) to terminate treatment? Please advise, or let us know if you'd like to talk through details.

Aaron Richardson | Senior Environmental Engineer | aaron.richardson@arcadis.com
Arcadis | Arcadis of New York, Inc.
100 Chestnut Street Suite 1020 Rochester NY | 14604 | USA
T. +1 585 662 4024 | M. +1 585 202 4393

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Table 1
SSDS Aerscreen Inputs
Crosman Corporation
Bloomfield, New York

ARCADIS Design & Consultancy for natural and built assets

Parameters	Crossman SSDS Stack	Units
AERSCREEN Model Input		
Lanimator Stack (UTM E)	299769	m
Lanimator Stack (UTM N)	4752097	m
UTM Zone	18	
Source Type	Point	
Emission Rate	1	g/s
Stack Height	38	ft
Stack Height	11.58	m
Stack Inside Diameter	4	in
Stack Inside Diameter	0.102	m
Air Flow Rate	130	cfm
Stack Gas Exit Temperature	100	F
Stack Gas Exit Temperature	310.93	K
Rain Cap?	No	
Land use	Rural	
Stack Orientation	Vertical	
Building Info	BPIP used	ft
Shortest Distance to Property Line	114.00	m

Table 2
SSDS Aerscreen Results
Crosman Corporation
Bloomfield, New York

ARCADIS Design & Consultancy for natural and built assets

Pollutant	Emission Rates		Aerscreen impact at 1 g/s (ug/m3/g/s)		Scaled Impact (ug/m3)		Guideline Conc. (ug/m3)	
	lb/hr	g/s	1-hr	Annual	1-hr	Annual	1-hr	Annual
TCE	1.62E-03	2.04E-04	1741.00	174.1	0.36	0.036	20.00	0.20

Table 3
SSDS Aerscreen Inputs TCE Calculations
Crosman Corporation
Bloomfield, New York

Date	TCE (ug/m3)	TCE (ug/m3)	Influent Flow Rate (scfm)[1]	Post-Dilution Flow Rate (scfm)[2]	Stack Exit Concentration (ug/m3)	Emission Rate (lb/hr)
1/29/2020	16000 D	16,000	27	130	3323.08	0.00162
2/26/2020	17000 D	17000	21	130	2746.15	0.00134
3/31/2020	11000	11000	26	130	2200.00	0.00107
4/22/2020	6500 D	6500	21	130	1050.00	0.00051
5/27/2020	12000 D	12000	23	130	2123.08	0.00103
6/23/2020	11000	11000	19	130	1607.69	0.00078
7/22/2020	9700	9700	22	130	1641.54	0.00080

(1) Based on anemometer readings at suction points SDS-1 and SDS-2, converted from acfm to scfm.
(2) Typical value, based on blower performance curve.

lb/hr = ug/m3 x 1 g/1,000,000 ug x lb/453.59 g x scfm x 0.028 m3/ft3 x 60 min/hr

Richardson, Aaron

From: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Sent: Friday, December 2, 2022 11:44 AM
To: Richardson, Aaron
Cc: Pratt, David (DEC)
Subject: RE: Crosman Site

Hi Aaron
It will be acceptable to use passive diffusion bag samplers going forward. There is plenty of data available for this site so if anything odd shows up with the change in sampling methodology we will know. Passive diffusion bag sampling methods are used at several sites throughout the region.

I have accepted a promotion to the Division of Water and will no longer be the contact for this project. A new DEC Project Manager has not yet been assigned. In the interim, please send correspondence to David Pratt until otherwise directed. It has been good working with you over the many years on this project and others.

Thank you.

-Todd

From: Richardson, Aaron <Aaron.Richardson@arcadis.com>
Sent: Wednesday, November 23, 2022 9:11 AM
To: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Subject: Crosman Site

Good morning Todd,

We are preparing our report for the GW sampling at the Crosman site (no surprises, data is consistent with past results), and also putting together our cost estimates for 2023. I would like to switch the site over to passive diffusion bag samplers (from the current dedicated bailers with a 3 volume purge). Before I put that as a recommendation in the report, and put money in our budget, I wanted to run that by you. Please let me know your thoughts; would you need to see any supporting information/justification/etc.?

Aaron Richardson | Senior Environmental Engineer | aaron.richardson@arcadis.com
Arcadis | Arcadis of New York, Inc.
100 Chestnut Street Suite 1020 Rochester NY | 14604 | USA
T. +1 585 662 4024 | M. +1 585 202 4393

Appendix E

SSDS Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Christopher Davern
ARCADIS U.S. Inc
201 Fuller Road
Suite 201
Albany, New York 12203

Generated 12/18/2023 2:32:22 PM

JOB DESCRIPTION

Crosman Vapor
200-71154-1

JOB NUMBER

200-71154-1

Eurofins Burlington
530 Community Drive
Suite 11
South Burlington VT 05403

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization

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Authorized for release by
Elizabeth Nye, Project Manager I
Elizabeth.Nye@et.eurofinsus.com
(802)923-1029

Table of Contents

Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Crosman Vapor

Job ID: 200-71154-1
SDG: 200-71154-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CASE NARRATIVE

Client: ARCADIS U.S. Inc

Project: Crosman Vapor

Report Number: 200-71154-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 12/08/2023; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS
Samples SDS-1-120723, SDS-2-120723, Combined Influent-120723, Pre-VPGAC4-120723, Post-Dilution Eff-120723 and Post-Blower Eff-120723 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 12/12/2023 and 12/13/2023.

Samples SDS-1-120723[10.2X], SDS-1-120723[99.8X], SDS-2-120723[10X], SDS-2-120723[100X], Combined Influent-120723[10X], Combined Influent-120723[99.7X], Pre-VPGAC4-120723[101X], Pre-VPGAC4-120723[20X], Post-Dilution Eff-120723[10X] and Post-Blower Eff-120723[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Crosman Vapor

Job ID: 200-71154-1
SDG: 200-71154-1

Client Sample ID: SDS-1-120723 — Lab Sample ID: 200-71154-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	22	J	51	16	ppb v/v	10.2		TO-15	Total/NA
trans-1,2-Dichloroethene	0.25	J	2.0	0.23	ppb v/v	10.2		TO-15	Total/NA
cis-1,2-Dichloroethene	1.0		0.51	0.21	ppb v/v	10.2		TO-15	Total/NA
1,2-Dichloroethene, Total	1.3	J	4.1	0.21	ppb v/v	10.2		TO-15	Total/NA
Tetrachloroethene	1.0	J	2.0	0.21	ppb v/v	10.2		TO-15	Total/NA
Trichloroethene - DL	1500	D	3.5	2.5	ppb v/v	99.8		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	52	J	120	39	ug/m3	10.2		TO-15	Total/NA
trans-1,2-Dichloroethene	0.98	J	8.1	0.93	ug/m3	10.2		TO-15	Total/NA
cis-1,2-Dichloroethene	4.1		2.0	0.85	ug/m3	10.2		TO-15	Total/NA
1,2-Dichloroethene, Total	5.0	J	16	0.85	ug/m3	10.2		TO-15	Total/NA
Tetrachloroethene	7.0	J	14	1.5	ug/m3	10.2		TO-15	Total/NA
Trichloroethene - DL	7800	D	19	13	ug/m3	99.8		TO-15	Total/NA

Client Sample ID: SDS-2-120723 — Lab Sample ID: 200-71154-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	87		50	16	ppb v/v	10		TO-15	Total/NA
cis-1,2-Dichloroethene	29		0.50	0.21	ppb v/v	10		TO-15	Total/NA
1,2-Dichloroethene, Total	29		4.0	0.21	ppb v/v	10		TO-15	Total/NA
Toluene	0.70	J	2.0	0.62	ppb v/v	10		TO-15	Total/NA
Tetrachloroethene	1.6	J	2.0	0.21	ppb v/v	10		TO-15	Total/NA
Trichloroethene - DL	1400	D	3.5	2.5	ppb v/v	100		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	210		120	38	ug/m3	10		TO-15	Total/NA
cis-1,2-Dichloroethene	120		2.0	0.83	ug/m3	10		TO-15	Total/NA
1,2-Dichloroethene, Total	110		16	0.83	ug/m3	10		TO-15	Total/NA
Toluene	2.6	J	7.5	2.3	ug/m3	10		TO-15	Total/NA
Tetrachloroethene	11	J	14	1.4	ug/m3	10		TO-15	Total/NA
Trichloroethene - DL	7400	D	19	13	ug/m3	100		TO-15	Total/NA

Client Sample ID: Combined Influent-120723 — Lab Sample ID: 200-71154-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	43	J	50	16	ppb v/v	10		TO-15	Total/NA
trans-1,2-Dichloroethene	0.45	J	2.0	0.23	ppb v/v	10		TO-15	Total/NA
cis-1,2-Dichloroethene	20		0.50	0.21	ppb v/v	10		TO-15	Total/NA
1,2-Dichloroethene, Total	20		4.0	0.21	ppb v/v	10		TO-15	Total/NA
Tetrachloroethene	1.4	J	2.0	0.21	ppb v/v	10		TO-15	Total/NA
Trichloroethene - DL	1500	D	3.5	2.5	ppb v/v	99.7		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	100	J	120	38	ug/m3	10		TO-15	Total/NA
trans-1,2-Dichloroethene	1.8	J	7.9	0.91	ug/m3	10		TO-15	Total/NA
cis-1,2-Dichloroethene	80		2.0	0.83	ug/m3	10		TO-15	Total/NA
1,2-Dichloroethene, Total	81		16	0.83	ug/m3	10		TO-15	Total/NA
Tetrachloroethene	9.8	J	14	1.4	ug/m3	10		TO-15	Total/NA
Trichloroethene - DL	8100	D	19	13	ug/m3	99.7		TO-15	Total/NA

Client Sample ID: Pre-VPGAC4-120723 — Lab Sample ID: 200-71154-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	140		100	32	ppb v/v	20		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Client Sample ID: Pre-VPGAC4-120723 (Continued) — Lab Sample ID: 200-71154-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	26		1.0	0.42	ppb v/v	20		TO-15	Total/NA
1,2-Dichloroethene, Total	26		8.0	0.42	ppb v/v	20		TO-15	Total/NA
Trichloroethene - DL	3000	D	3.5	2.5	ppb v/v	101		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	320		240	76	ug/m3	20		TO-15	Total/NA
cis-1,2-Dichloroethene	100		4.0	1.7	ug/m3	20		TO-15	Total/NA
1,2-Dichloroethene, Total	100		32	1.7	ug/m3	20		TO-15	Total/NA
Trichloroethene - DL	16000	D	19	14	ug/m3	101		TO-15	Total/NA

Client Sample ID: Post-Dilution Eff-120723 — Lab Sample ID: 200-71154-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	31	J	50	16	ppb v/v	10		TO-15	Total/NA
cis-1,2-Dichloroethene	13		0.50	0.21	ppb v/v	10		TO-15	Total/NA
1,2-Dichloroethene, Total	13		4.0	0.21	ppb v/v	10		TO-15	Total/NA
Trichloroethene	100		0.35	0.25	ppb v/v	10		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	73	J	120	38	ug/m3	10		TO-15	Total/NA
cis-1,2-Dichloroethene	50		2.0	0.83	ug/m3	10		TO-15	Total/NA
1,2-Dichloroethene, Total	52		16	0.83	ug/m3	10		TO-15	Total/NA
Trichloroethene	560		1.9	1.3	ug/m3	10		TO-15	Total/NA

Client Sample ID: Post-Blower Eff-120723 — Lab Sample ID: 200-71154-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	14		0.50	0.21	ppb v/v	10		TO-15	Total/NA
1,2-Dichloroethene, Total	14		4.0	0.21	ppb v/v	10		TO-15	Total/NA
Trichloroethene	150		0.35	0.25	ppb v/v	10		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	56		2.0	0.83	ug/m3	10		TO-15	Total/NA
1,2-Dichloroethene, Total	56		16	0.83	ug/m3	10		TO-15	Total/NA
Trichloroethene	820		1.9	1.3	ug/m3	10		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SDS-1-120723
Date Collected: 12/07/23 10:00
Date Received: 12/08/23 10:20
Sample Container: Summa Canister 1L

Lab Sample ID: 200-71154-1
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.80	U	0.80	0.21	ppb v/v			12/12/23 18:23	10.2
1,1-Dichloroethene	0.36	U	0.36	0.27	ppb v/v			12/12/23 18:23	10.2
Acetone	**22**	**J**	51	16	ppb v/v			12/12/23 18:23	10.2
Methylene Chloride	5.1	U	5.1	1.8	ppb v/v			12/12/23 18:23	10.2
trans-1,2-Dichloroethene	**0.25**	**J**	2.0	0.23	ppb v/v			12/12/23 18:23	10.2
1,1-Dichloroethane	2.0	U	2.0	0.26	ppb v/v			12/12/23 18:23	10.2
cis-1,2-Dichloroethene	**1.0**		0.51	0.21	ppb v/v			12/12/23 18:23	10.2
1,2-Dichloroethene, Total	**1.3**	**J**	4.1	0.21	ppb v/v			12/12/23 18:23	10.2
1,1,1-Trichloroethane	2.0	U	2.0	0.45	ppb v/v			12/12/23 18:23	10.2
Carbon tetrachloride	0.36	U	0.36	0.22	ppb v/v			12/12/23 18:23	10.2
Benzene	2.0	U	2.0	0.45	ppb v/v			12/12/23 18:23	10.2
Toluene	2.0	U	2.0	0.63	ppb v/v			12/12/23 18:23	10.2
Tetrachloroethene	**1.0**	**J**	2.0	0.21	ppb v/v			12/12/23 18:23	10.2
Chlorobenzene	2.0	U	2.0	0.45	ppb v/v			12/12/23 18:23	10.2
m,p-Xylene	5.1	U	5.1	0.97	ppb v/v			12/12/23 18:23	10.2
Xylene, o-	2.0	U	2.0	0.64	ppb v/v			12/12/23 18:23	10.2
Bromoform	2.0	U	2.0	1.2	ppb v/v			12/12/23 18:23	10.2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.44	ppb v/v			12/12/23 18:23	10.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	2.0	U	2.0	0.55	ug/m3			12/12/23 18:23	10.2
1,1-Dichloroethene	1.4	U	1.4	1.1	ug/m3			12/12/23 18:23	10.2
Acetone	**52**	**J**	120	39	ug/m3			12/12/23 18:23	10.2
Methylene Chloride	18	U	18	6.4	ug/m3			12/12/23 18:23	10.2
trans-1,2-Dichloroethene	**0.98**	**J**	8.1	0.93	ug/m3			12/12/23 18:23	10.2
1,1-Dichloroethane	8.3	U	8.3	1.0	ug/m3			12/12/23 18:23	10.2
cis-1,2-Dichloroethene	**4.1**		2.0	0.85	ug/m3			12/12/23 18:23	10.2
1,2-Dichloroethene, Total	**5.0**	**J**	16	0.85	ug/m3			12/12/23 18:23	10.2
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			12/12/23 18:23	10.2
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			12/12/23 18:23	10.2
Benzene	6.5	U	6.5	1.4	ug/m3			12/12/23 18:23	10.2
Toluene	7.7	U	7.7	2.4	ug/m3			12/12/23 18:23	10.2
Tetrachloroethene	**7.0**	**J**	14	1.5	ug/m3			12/12/23 18:23	10.2
Chlorobenzene	9.4	U	9.4	2.1	ug/m3			12/12/23 18:23	10.2
m,p-Xylene	22	U	22	4.2	ug/m3			12/12/23 18:23	10.2
Xylene, o-	8.9	U	8.9	2.8	ug/m3			12/12/23 18:23	10.2
Bromoform	21	U	21	13	ug/m3			12/12/23 18:23	10.2
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			12/12/23 18:23	10.2

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**1500**	**D**	3.5	2.5	ppb v/v			12/13/23 17:35	99.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**7800**	**D**	19	13	ug/m3			12/13/23 17:35	99.8

Client Sample ID: SDS-2-120723

Date Collected: 12/07/23 10:05
Date Received: 12/08/23 10:20
Sample Container: Summa Canister 1L

Lab Sample ID: 200-71154-2

Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.78	U	0.78	0.21	ppb v/v			12/12/23 21:48	10
1,1-Dichloroethene	0.35	U	0.35	0.26	ppb v/v			12/12/23 21:48	10
Acetone	**87**		50	16	ppb v/v			12/12/23 21:48	10
Methylene Chloride	5.0	U	5.0	1.8	ppb v/v			12/12/23 21:48	10
trans-1,2-Dichloroethene	2.0	U	2.0	0.23	ppb v/v			12/12/23 21:48	10
1,1-Dichloroethane	2.0	U	2.0	0.25	ppb v/v			12/12/23 21:48	10
cis-1,2-Dichloroethene	**29**		0.50	0.21	ppb v/v			12/12/23 21:48	10
1,2-Dichloroethene, Total	**29**		4.0	0.21	ppb v/v			12/12/23 21:48	10
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ppb v/v			12/12/23 21:48	10
Carbon tetrachloride	0.35	U	0.35	0.22	ppb v/v			12/12/23 21:48	10
Benzene	2.0	U	2.0	0.44	ppb v/v			12/12/23 21:48	10
Toluene	**0.70**	**J**	2.0	0.62	ppb v/v			12/12/23 21:48	10
Tetrachloroethene	**1.6**	**J**	2.0	0.21	ppb v/v			12/12/23 21:48	10
Chlorobenzene	2.0	U	2.0	0.44	ppb v/v			12/12/23 21:48	10
m,p-Xylene	5.0	U	5.0	0.95	ppb v/v			12/12/23 21:48	10
Xylene, o-	2.0	U	2.0	0.63	ppb v/v			12/12/23 21:48	10
Bromoform	2.0	U	2.0	1.2	ppb v/v			12/12/23 21:48	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			12/12/23 21:48	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	2.0	U	2.0	0.54	ug/m3			12/12/23 21:48	10
1,1-Dichloroethene	1.4	U	1.4	1.0	ug/m3			12/12/23 21:48	10
Acetone	**210**		120	38	ug/m3			12/12/23 21:48	10
Methylene Chloride	17	U	17	6.3	ug/m3			12/12/23 21:48	10
trans-1,2-Dichloroethene	7.9	U	7.9	0.91	ug/m3			12/12/23 21:48	10
1,1-Dichloroethane	8.1	U	8.1	1.0	ug/m3			12/12/23 21:48	10
cis-1,2-Dichloroethene	**120**		2.0	0.83	ug/m3			12/12/23 21:48	10
1,2-Dichloroethene, Total	**110**		16	0.83	ug/m3			12/12/23 21:48	10
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			12/12/23 21:48	10
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			12/12/23 21:48	10
Benzene	6.4	U	6.4	1.4	ug/m3			12/12/23 21:48	10
Toluene	**2.6**	**J**	7.5	2.3	ug/m3			12/12/23 21:48	10
Tetrachloroethene	**11**	**J**	14	1.4	ug/m3			12/12/23 21:48	10
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			12/12/23 21:48	10
m,p-Xylene	22	U	22	4.1	ug/m3			12/12/23 21:48	10
Xylene, o-	8.7	U	8.7	2.7	ug/m3			12/12/23 21:48	10
Bromoform	21	U	21	12	ug/m3			12/12/23 21:48	10
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			12/12/23 21:48	10

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**1400**	**D**	3.5	2.5	ppb v/v			12/13/23 18:31	100

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**7400**	**D**	19	13	ug/m3			12/13/23 18:31	100

Client Sample ID: Combined Influent-120723

Lab Sample ID: 200-71154-3

Date Collected: 12/07/23 10:10
Matrix: Air
Date Received: 12/08/23 10:20
Sample Container: Summa Canister 1L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.78	U	0.78	0.21	ppb v/v			12/12/23 23:30	10
1,1-Dichloroethene	0.35	U	0.35	0.26	ppb v/v			12/12/23 23:30	10
Acetone	**43**	**J**	50	16	ppb v/v			12/12/23 23:30	10
Methylene Chloride	5.0	U	5.0	1.8	ppb v/v			12/12/23 23:30	10
trans-1,2-Dichloroethene	**0.45**	**J**	2.0	0.23	ppb v/v			12/12/23 23:30	10
1,1-Dichloroethane	2.0	U	2.0	0.25	ppb v/v			12/12/23 23:30	10
cis-1,2-Dichloroethene	**20**		0.50	0.21	ppb v/v			12/12/23 23:30	10
1,2-Dichloroethene, Total	**20**		4.0	0.21	ppb v/v			12/12/23 23:30	10
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ppb v/v			12/12/23 23:30	10
Carbon tetrachloride	0.35	U	0.35	0.22	ppb v/v			12/12/23 23:30	10
Benzene	2.0	U	2.0	0.44	ppb v/v			12/12/23 23:30	10
Toluene	2.0	U	2.0	0.62	ppb v/v			12/12/23 23:30	10
Tetrachloroethene	**1.4**	**J**	2.0	0.21	ppb v/v			12/12/23 23:30	10
Chlorobenzene	2.0	U	2.0	0.44	ppb v/v			12/12/23 23:30	10
m,p-Xylene	5.0	U	5.0	0.95	ppb v/v			12/12/23 23:30	10
Xylene, o-	2.0	U	2.0	0.63	ppb v/v			12/12/23 23:30	10
Bromoform	2.0	U	2.0	1.2	ppb v/v			12/12/23 23:30	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			12/12/23 23:30	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	2.0	U	2.0	0.54	ug/m3			12/12/23 23:30	10
1,1-Dichloroethene	1.4	U	1.4	1.0	ug/m3			12/12/23 23:30	10
Acetone	**100**	**J**	120	38	ug/m3			12/12/23 23:30	10
Methylene Chloride	17	U	17	6.3	ug/m3			12/12/23 23:30	10
trans-1,2-Dichloroethene	**1.8**	**J**	7.9	0.91	ug/m3			12/12/23 23:30	10
1,1-Dichloroethane	8.1	U	8.1	1.0	ug/m3			12/12/23 23:30	10
cis-1,2-Dichloroethene	**80**		2.0	0.83	ug/m3			12/12/23 23:30	10
1,2-Dichloroethene, Total	**81**		16	0.83	ug/m3			12/12/23 23:30	10
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			12/12/23 23:30	10
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			12/12/23 23:30	10
Benzene	6.4	U	6.4	1.4	ug/m3			12/12/23 23:30	10
Toluene	7.5	U	7.5	2.3	ug/m3			12/12/23 23:30	10
Tetrachloroethene	**9.8**	**J**	14	1.4	ug/m3			12/12/23 23:30	10
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			12/12/23 23:30	10
m,p-Xylene	22	U	22	4.1	ug/m3			12/12/23 23:30	10
Xylene, o-	8.7	U	8.7	2.7	ug/m3			12/12/23 23:30	10
Bromoform	21	U	21	12	ug/m3			12/12/23 23:30	10
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			12/12/23 23:30	10

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**1500**	**D**	3.5	2.5	ppb v/v			12/13/23 19:24	99.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**8100**	**D**	19	13	ug/m3			12/13/23 19:24	99.7

Client Sample ID: Pre-VPGAC4-120723

Lab Sample ID: 200-71154-4

Date Collected: 12/07/23 10:15

Matrix: Air

Date Received: 12/08/23 10:20

Sample Container: Summa Canister 1L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.6	U	1.6	0.42	ppb v/v			12/13/23 01:13	20
1,1-Dichloroethene	0.70	U	0.70	0.52	ppb v/v			12/13/23 01:13	20
Acetone	**140**		100	32	ppb v/v			12/13/23 01:13	20
Methylene Chloride	10	U	10	3.6	ppb v/v			12/13/23 01:13	20
trans-1,2-Dichloroethene	4.0	U	4.0	0.46	ppb v/v			12/13/23 01:13	20
1,1-Dichloroethane	4.0	U	4.0	0.50	ppb v/v			12/13/23 01:13	20
cis-1,2-Dichloroethene	**26**		1.0	0.42	ppb v/v			12/13/23 01:13	20
1,2-Dichloroethene, Total	**26**		8.0	0.42	ppb v/v			12/13/23 01:13	20
1,1,1-Trichloroethane	4.0	U	4.0	0.88	ppb v/v			12/13/23 01:13	20
Carbon tetrachloride	0.70	U	0.70	0.44	ppb v/v			12/13/23 01:13	20
Benzene	4.0	U	4.0	0.88	ppb v/v			12/13/23 01:13	20
Toluene	4.0	U	4.0	1.2	ppb v/v			12/13/23 01:13	20
Tetrachloroethene	4.0	U	4.0	0.42	ppb v/v			12/13/23 01:13	20
Chlorobenzene	4.0	U	4.0	0.88	ppb v/v			12/13/23 01:13	20
m,p-Xylene	10	U	10	1.9	ppb v/v			12/13/23 01:13	20
Xylene, o-	4.0	U	4.0	1.3	ppb v/v			12/13/23 01:13	20
Bromoform	4.0	U	4.0	2.4	ppb v/v			12/13/23 01:13	20
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.86	ppb v/v			12/13/23 01:13	20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	4.0	U	4.0	1.1	ug/m3			12/13/23 01:13	20
1,1-Dichloroethene	2.8	U	2.8	2.1	ug/m3			12/13/23 01:13	20
Acetone	**320**		240	76	ug/m3			12/13/23 01:13	20
Methylene Chloride	35	U	35	13	ug/m3			12/13/23 01:13	20
trans-1,2-Dichloroethene	16	U	16	1.8	ug/m3			12/13/23 01:13	20
1,1-Dichloroethane	16	U	16	2.0	ug/m3			12/13/23 01:13	20
cis-1,2-Dichloroethene	**100**		4.0	1.7	ug/m3			12/13/23 01:13	20
1,2-Dichloroethene, Total	**100**		32	1.7	ug/m3			12/13/23 01:13	20
1,1,1-Trichloroethane	22	U	22	4.8	ug/m3			12/13/23 01:13	20
Carbon tetrachloride	4.4	U	4.4	2.8	ug/m3			12/13/23 01:13	20
Benzene	13	U	13	2.8	ug/m3			12/13/23 01:13	20
Toluene	15	U	15	4.7	ug/m3			12/13/23 01:13	20
Tetrachloroethene	27	U	27	2.8	ug/m3			12/13/23 01:13	20
Chlorobenzene	18	U	18	4.1	ug/m3			12/13/23 01:13	20
m,p-Xylene	43	U	43	8.3	ug/m3			12/13/23 01:13	20
Xylene, o-	17	U	17	5.5	ug/m3			12/13/23 01:13	20
Bromoform	41	U	41	25	ug/m3			12/13/23 01:13	20
1,1,2,2-Tetrachloroethane	27	U	27	5.9	ug/m3			12/13/23 01:13	20

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**3000**	**D**	3.5	2.5	ppb v/v			12/13/23 02:04	101

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**16000**	**D**	19	14	ug/m3			12/13/23 02:04	101

Client Sample ID: Post-Dilution Eff-120723

Lab Sample ID: 200-71154-5

Date Collected: 12/07/23 10:20
Matrix: Air
Date Received: 12/08/23 10:20
Sample Container: Summa Canister 1L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.78	U	0.78	0.21	ppb v/v			12/12/23 16:40	10
1,1-Dichloroethene	0.35	U	0.35	0.26	ppb v/v			12/12/23 16:40	10
Acetone	**31**	**J**	50	16	ppb v/v			12/12/23 16:40	10
Methylene Chloride	5.0	U	5.0	1.8	ppb v/v			12/12/23 16:40	10
trans-1,2-Dichloroethene	2.0	U	2.0	0.23	ppb v/v			12/12/23 16:40	10
1,1-Dichloroethane	2.0	U	2.0	0.25	ppb v/v			12/12/23 16:40	10
cis-1,2-Dichloroethene	**13**		0.50	0.21	ppb v/v			12/12/23 16:40	10
1,2-Dichloroethene, Total	**13**		4.0	0.21	ppb v/v			12/12/23 16:40	10
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ppb v/v			12/12/23 16:40	10
Carbon tetrachloride	0.35	U	0.35	0.22	ppb v/v			12/12/23 16:40	10
Benzene	2.0	U	2.0	0.44	ppb v/v			12/12/23 16:40	10
Trichloroethene	**100**		0.35	0.25	ppb v/v			12/12/23 16:40	10
Toluene	2.0	U	2.0	0.62	ppb v/v			12/12/23 16:40	10
Tetrachloroethene	2.0	U	2.0	0.21	ppb v/v			12/12/23 16:40	10
Chlorobenzene	2.0	U	2.0	0.44	ppb v/v			12/12/23 16:40	10
m,p-Xylene	5.0	U	5.0	0.95	ppb v/v			12/12/23 16:40	10
Xylene, o-	2.0	U	2.0	0.63	ppb v/v			12/12/23 16:40	10
Bromoform	2.0	U	2.0	1.2	ppb v/v			12/12/23 16:40	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			12/12/23 16:40	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	2.0	U	2.0	0.54	ug/m3			12/12/23 16:40	10
1,1-Dichloroethene	1.4	U	1.4	1.0	ug/m3			12/12/23 16:40	10
Acetone	**73**	**J**	120	38	ug/m3			12/12/23 16:40	10
Methylene Chloride	17	U	17	6.3	ug/m3			12/12/23 16:40	10
trans-1,2-Dichloroethene	7.9	U	7.9	0.91	ug/m3			12/12/23 16:40	10
1,1-Dichloroethane	8.1	U	8.1	1.0	ug/m3			12/12/23 16:40	10
cis-1,2-Dichloroethene	**50**		2.0	0.83	ug/m3			12/12/23 16:40	10
1,2-Dichloroethene, Total	**52**		16	0.83	ug/m3			12/12/23 16:40	10
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			12/12/23 16:40	10
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			12/12/23 16:40	10
Benzene	6.4	U	6.4	1.4	ug/m3			12/12/23 16:40	10
Trichloroethene	**560**		1.9	1.3	ug/m3			12/12/23 16:40	10
Toluene	7.5	U	7.5	2.3	ug/m3			12/12/23 16:40	10
Tetrachloroethene	14	U	14	1.4	ug/m3			12/12/23 16:40	10
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			12/12/23 16:40	10
m,p-Xylene	22	U	22	4.1	ug/m3			12/12/23 16:40	10
Xylene, o-	8.7	U	8.7	2.7	ug/m3			12/12/23 16:40	10
Bromoform	21	U	21	12	ug/m3			12/12/23 16:40	10
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			12/12/23 16:40	10

Client Sample ID: Post-Blower Eff-120723

Lab Sample ID: 200-71154-6

Date Collected: 12/07/23 10:25
Matrix: Air
Date Received: 12/08/23 10:20
Sample Container: Summa Canister 1L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.78	U	0.78	0.21	ppb v/v			12/12/23 17:31	10
1,1-Dichloroethene	0.35	U	0.35	0.26	ppb v/v			12/12/23 17:31	10

Client Sample ID: Post-Blower Eff-120723

Lab Sample ID: 200-71154-6

Date Collected: 12/07/23 10:25
Matrix: Air
Date Received: 12/08/23 10:20
Sample Container: Summa Canister 1L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	50	16	ppb v/v			12/12/23 17:31	10
Methylene Chloride	5.0	U	5.0	1.8	ppb v/v			12/12/23 17:31	10
trans-1,2-Dichloroethene	2.0	U	2.0	0.23	ppb v/v			12/12/23 17:31	10
1,1-Dichloroethane	2.0	U	2.0	0.25	ppb v/v			12/12/23 17:31	10
cis-1,2-Dichloroethene	**14**		0.50	0.21	ppb v/v			12/12/23 17:31	10
1,2-Dichloroethene, Total	**14**		4.0	0.21	ppb v/v			12/12/23 17:31	10
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ppb v/v			12/12/23 17:31	10
Carbon tetrachloride	0.35	U	0.35	0.22	ppb v/v			12/12/23 17:31	10
Benzene	2.0	U	2.0	0.44	ppb v/v			12/12/23 17:31	10
Trichloroethene	**150**		0.35	0.25	ppb v/v			12/12/23 17:31	10
Toluene	2.0	U	2.0	0.62	ppb v/v			12/12/23 17:31	10
Tetrachloroethene	2.0	U	2.0	0.21	ppb v/v			12/12/23 17:31	10
Chlorobenzene	2.0	U	2.0	0.44	ppb v/v			12/12/23 17:31	10
m,p-Xylene	5.0	U	5.0	0.95	ppb v/v			12/12/23 17:31	10
Xylene, o-	2.0	U	2.0	0.63	ppb v/v			12/12/23 17:31	10
Bromoform	2.0	U	2.0	1.2	ppb v/v			12/12/23 17:31	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			12/12/23 17:31	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	2.0	U	2.0	0.54	ug/m3			12/12/23 17:31	10
1,1-Dichloroethene	1.4	U	1.4	1.0	ug/m3			12/12/23 17:31	10
Acetone	120	U	120	38	ug/m3			12/12/23 17:31	10
Methylene Chloride	17	U	17	6.3	ug/m3			12/12/23 17:31	10
trans-1,2-Dichloroethene	7.9	U	7.9	0.91	ug/m3			12/12/23 17:31	10
1,1-Dichloroethane	8.1	U	8.1	1.0	ug/m3			12/12/23 17:31	10
cis-1,2-Dichloroethene	**56**		2.0	0.83	ug/m3			12/12/23 17:31	10
1,2-Dichloroethene, Total	**56**		16	0.83	ug/m3			12/12/23 17:31	10
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			12/12/23 17:31	10
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			12/12/23 17:31	10
Benzene	6.4	U	6.4	1.4	ug/m3			12/12/23 17:31	10
Trichloroethene	**820**		1.9	1.3	ug/m3			12/12/23 17:31	10
Toluene	7.5	U	7.5	2.3	ug/m3			12/12/23 17:31	10
Tetrachloroethene	14	U	14	1.4	ug/m3			12/12/23 17:31	10
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			12/12/23 17:31	10
m,p-Xylene	22	U	22	4.1	ug/m3			12/12/23 17:31	10
Xylene, o-	8.7	U	8.7	2.7	ug/m3			12/12/23 17:31	10
Bromoform	21	U	21	12	ug/m3			12/12/23 17:31	10
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			12/12/23 17:31	10

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-198511/6
Matrix: Air
Analysis Batch: 198511

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			12/12/23 12:05	1
1,1-Dichloroethene	0.035	U	0.035	0.026	ppb v/v			12/12/23 12:05	1
Acetone	5.0	U	5.0	1.6	ppb v/v			12/12/23 12:05	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			12/12/23 12:05	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			12/12/23 12:05	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			12/12/23 12:05	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			12/12/23 12:05	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.021	ppb v/v			12/12/23 12:05	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			12/12/23 12:05	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			12/12/23 12:05	1
Benzene	0.20	U	0.20	0.044	ppb v/v			12/12/23 12:05	1
Trichloroethene	0.035	U	0.035	0.025	ppb v/v			12/12/23 12:05	1
Toluene	0.20	U	0.20	0.062	ppb v/v			12/12/23 12:05	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			12/12/23 12:05	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			12/12/23 12:05	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			12/12/23 12:05	1
Xylene, o-	0.20	U	0.20	0.063	ppb v/v			12/12/23 12:05	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			12/12/23 12:05	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			12/12/23 12:05	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			12/12/23 12:05	1
1,1-Dichloroethene	0.14	U	0.14	0.10	ug/m3			12/12/23 12:05	1
Acetone	12	U	12	3.8	ug/m3			12/12/23 12:05	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			12/12/23 12:05	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			12/12/23 12:05	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			12/12/23 12:05	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			12/12/23 12:05	1
1,2-Dichloroethene, Total	1.6	U	1.6	0.083	ug/m3			12/12/23 12:05	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			12/12/23 12:05	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			12/12/23 12:05	1
Benzene	0.64	U	0.64	0.14	ug/m3			12/12/23 12:05	1
Trichloroethene	0.19	U	0.19	0.13	ug/m3			12/12/23 12:05	1
Toluene	0.75	U	0.75	0.23	ug/m3			12/12/23 12:05	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			12/12/23 12:05	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			12/12/23 12:05	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			12/12/23 12:05	1
Xylene, o-	0.87	U	0.87	0.27	ug/m3			12/12/23 12:05	1
Bromoform	2.1	U	2.1	1.2	ug/m3			12/12/23 12:05	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			12/12/23 12:05	1

Lab Sample ID: LCS 200-198511/4
Matrix: Air
Analysis Batch: 198511

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Vinyl chloride			10.0	11.4		ppb v/v		114	61 - 135		
1,1-Dichloroethene			10.0	8.31		ppb v/v		83	68 - 120		
Acetone			10.0	9.44		ppb v/v		94	54 - 154		

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-198511/4
Matrix: Air
Analysis Batch: 198511

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	10.0	9.49		ppb v/v		95	59 - 137
trans-1,2-Dichloroethene	10.0	9.53		ppb v/v		95	69 - 137
1,1-Dichloroethane	10.0	9.22		ppb v/v		92	66 - 130
cis-1,2-Dichloroethene	10.0	9.11		ppb v/v		91	72 - 121
1,1,1-Trichloroethane	10.0	9.29		ppb v/v		93	72 - 127
Carbon tetrachloride	10.0	9.31		ppb v/v		93	71 - 133
Benzene	10.0	9.21		ppb v/v		92	73 - 119
Trichloroethene	10.0	9.22		ppb v/v		92	73 - 122
Toluene	10.0	9.40		ppb v/v		94	75 - 122
Tetrachloroethene	10.0	8.40		ppb v/v		84	70 - 125
Chlorobenzene	10.0	9.02		ppb v/v		90	76 - 119
m,p-Xylene	20.0	19.7		ppb v/v		98	76 - 121
Xylene, o-	10.0	9.97		ppb v/v		100	73 - 123
Bromoform	10.0	10.2		ppb v/v		102	53 - 149
1,1,2,2-Tetrachloroethane	10.0	9.56		ppb v/v		96	74 - 126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	26	29.2		ug/m3		114	61 - 135
1,1-Dichloroethene	40	32.9		ug/m3		83	68 - 120
Acetone	24	22.4		ug/m3		94	54 - 154
Methylene Chloride	35	33.0		ug/m3		95	59 - 137
trans-1,2-Dichloroethene	40	37.8		ug/m3		95	69 - 137
1,1-Dichloroethane	40	37.3		ug/m3		92	66 - 130
cis-1,2-Dichloroethene	40	36.1		ug/m3		91	72 - 121
1,1,1-Trichloroethane	55	50.7		ug/m3		93	72 - 127
Carbon tetrachloride	63	58.6		ug/m3		93	71 - 133
Benzene	32	29.4		ug/m3		92	73 - 119
Trichloroethene	54	49.6		ug/m3		92	73 - 122
Toluene	38	35.4		ug/m3		94	75 - 122
Tetrachloroethene	68	57.0		ug/m3		84	70 - 125
Chlorobenzene	46	41.5		ug/m3		90	76 - 119
m,p-Xylene	87	85.5		ug/m3		98	76 - 121
Xylene, o-	43	43.3		ug/m3		100	73 - 123
Bromoform	100	105		ug/m3		102	53 - 149
1,1,2,2-Tetrachloroethane	69	65.7		ug/m3		96	74 - 126

Lab Sample ID: MB 200-198592/7
Matrix: Air
Analysis Batch: 198592

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			12/13/23 16:41	1
1,1-Dichloroethene	0.035	U	0.035	0.026	ppb v/v			12/13/23 16:41	1
Acetone	5.0	U	5.0	1.6	ppb v/v			12/13/23 16:41	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			12/13/23 16:41	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			12/13/23 16:41	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			12/13/23 16:41	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			12/13/23 16:41	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.021	ppb v/v			12/13/23 16:41	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-198592/7
Matrix: Air
Analysis Batch: 198592

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			12/13/23 16:41	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			12/13/23 16:41	1
Benzene	0.20	U	0.20	0.044	ppb v/v			12/13/23 16:41	1
Trichloroethene	0.035	U	0.035	0.025	ppb v/v			12/13/23 16:41	1
Toluene	0.20	U	0.20	0.062	ppb v/v			12/13/23 16:41	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			12/13/23 16:41	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			12/13/23 16:41	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			12/13/23 16:41	1
Xylene, o-	0.20	U	0.20	0.063	ppb v/v			12/13/23 16:41	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			12/13/23 16:41	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			12/13/23 16:41	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			12/13/23 16:41	1
1,1-Dichloroethene	0.14	U	0.14	0.10	ug/m3			12/13/23 16:41	1
Acetone	12	U	12	3.8	ug/m3			12/13/23 16:41	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			12/13/23 16:41	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			12/13/23 16:41	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			12/13/23 16:41	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			12/13/23 16:41	1
1,2-Dichloroethene, Total	1.6	U	1.6	0.083	ug/m3			12/13/23 16:41	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			12/13/23 16:41	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			12/13/23 16:41	1
Benzene	0.64	U	0.64	0.14	ug/m3			12/13/23 16:41	1
Trichloroethene	0.19	U	0.19	0.13	ug/m3			12/13/23 16:41	1
Toluene	0.75	U	0.75	0.23	ug/m3			12/13/23 16:41	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			12/13/23 16:41	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			12/13/23 16:41	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			12/13/23 16:41	1
Xylene, o-	0.87	U	0.87	0.27	ug/m3			12/13/23 16:41	1
Bromoform	2.1	U	2.1	1.2	ug/m3			12/13/23 16:41	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			12/13/23 16:41	1

Lab Sample ID: LCS 200-198592/4
Matrix: Air
Analysis Batch: 198592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	10.0	12.7		ppb v/v		127	61 - 135
1,1-Dichloroethene	10.0	9.94		ppb v/v		99	68 - 120
Acetone	10.0	10.9		ppb v/v		109	54 - 154
Methylene Chloride	10.0	11.3		ppb v/v		113	59 - 137
trans-1,2-Dichloroethene	10.0	10.9		ppb v/v		109	69 - 137
1,1-Dichloroethane	10.0	10.5		ppb v/v		105	66 - 130
cis-1,2-Dichloroethene	10.0	10.2		ppb v/v		102	72 - 121
1,1,1-Trichloroethane	10.0	9.19		ppb v/v		92	72 - 127
Carbon tetrachloride	10.0	8.84		ppb v/v		88	71 - 133
Benzene	10.0	10.4		ppb v/v		104	73 - 119
Trichloroethene	10.0	9.62		ppb v/v		96	73 - 122

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-198592/4
Matrix: Air
Analysis Batch: 198592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	10.0	9.82		ppb v/v		98	75 - 122
Tetrachloroethene	10.0	8.29		ppb v/v		83	70 - 125
Chlorobenzene	10.0	9.65		ppb v/v		97	76 - 119
m,p-Xylene	20.0	20.0		ppb v/v		100	76 - 121
Xylene, o-	10.0	9.89		ppb v/v		99	73 - 123
Bromoform	10.0	9.36		ppb v/v		94	53 - 149
1,1,2,2-Tetrachloroethane	10.0	10.7		ppb v/v		107	74 - 126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	26	32.6		ug/m3		127	61 - 135
1,1-Dichloroethene	40	39.4		ug/m3		99	68 - 120
Acetone	24	25.9		ug/m3		109	54 - 154
Methylene Chloride	35	39.4		ug/m3		113	59 - 137
trans-1,2-Dichloroethene	40	43.2		ug/m3		109	69 - 137
1,1-Dichloroethane	40	42.6		ug/m3		105	66 - 130
cis-1,2-Dichloroethene	40	40.4		ug/m3		102	72 - 121
1,1,1-Trichloroethane	55	50.2		ug/m3		92	72 - 127
Carbon tetrachloride	63	55.6		ug/m3		88	71 - 133
Benzene	32	33.3		ug/m3		104	73 - 119
Trichloroethene	54	51.7		ug/m3		96	73 - 122
Toluene	38	37.0		ug/m3		98	75 - 122
Tetrachloroethene	68	56.2		ug/m3		83	70 - 125
Chlorobenzene	46	44.4		ug/m3		97	76 - 119
m,p-Xylene	87	86.8		ug/m3		100	76 - 121
Xylene, o-	43	43.0		ug/m3		99	73 - 123
Bromoform	100	96.8		ug/m3		94	53 - 149
1,1,2,2-Tetrachloroethane	69	73.1		ug/m3		107	74 - 126

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Crosman Vapor

Job ID: 200-71154-1
SDG: 200-71154-1

Air - GC/MS VOA

Analysis Batch: 198511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-71154-1	SDS-1-120723	Total/NA	Air	TO-15	
200-71154-2	SDS-2-120723	Total/NA	Air	TO-15	
200-71154-3	Combined Influent-120723	Total/NA	Air	TO-15	
200-71154-4	Pre-VPGAC4-120723	Total/NA	Air	TO-15	
200-71154-4 - DL	Pre-VPGAC4-120723	Total/NA	Air	TO-15	
200-71154-5	Post-Dilution Eff-120723	Total/NA	Air	TO-15	
200-71154-6	Post-Blower Eff-120723	Total/NA	Air	TO-15	
MB 200-198511/6	Method Blank	Total/NA	Air	TO-15	
LCS 200-198511/4	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 198592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-71154-1 - DL	SDS-1-120723	Total/NA	Air	TO-15	
200-71154-2 - DL	SDS-2-120723	Total/NA	Air	TO-15	
200-71154-3 - DL	Combined Influent-120723	Total/NA	Air	TO-15	
MB 200-198592/7	Method Blank	Total/NA	Air	TO-15	
LCS 200-198592/4	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Crosman Vapor

Job ID: 200-71154-1
SDG: 200-71154-1

Client Sample ID: SDS-1-120723
Lab Sample ID: 200-71154-1
Date Collected: 12/07/23 10:00
Matrix: Air
Date Received: 12/08/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		10.2	198511	TPB	EET BUR	12/12/23 18:23
Total/NA	Analysis	TO-15	DL	99.8	198592	K1P	EET BUR	12/13/23 17:35

Client Sample ID: SDS-2-120723
Lab Sample ID: 200-71154-2
Date Collected: 12/07/23 10:05
Matrix: Air
Date Received: 12/08/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		10	198511	TPB	EET BUR	12/12/23 21:48
Total/NA	Analysis	TO-15	DL	100	198592	K1P	EET BUR	12/13/23 18:31

Client Sample ID: Combined Influent-120723
Lab Sample ID: 200-71154-3
Date Collected: 12/07/23 10:10
Matrix: Air
Date Received: 12/08/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		10	198511	TPB	EET BUR	12/12/23 23:30
Total/NA	Analysis	TO-15	DL	99.7	198592	K1P	EET BUR	12/13/23 19:24

Client Sample ID: Pre-VPGAC4-120723
Lab Sample ID: 200-71154-4
Date Collected: 12/07/23 10:15
Matrix: Air
Date Received: 12/08/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		20	198511	TPB	EET BUR	12/13/23 01:13
Total/NA	Analysis	TO-15	DL	101	198511	TPB	EET BUR	12/13/23 02:04

Client Sample ID: Post-Dilution Eff-120723
Lab Sample ID: 200-71154-5
Date Collected: 12/07/23 10:20
Matrix: Air
Date Received: 12/08/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		10	198511	TPB	EET BUR	12/12/23 16:40

Client Sample ID: Post-Blower Eff-120723
Lab Sample ID: 200-71154-6
Date Collected: 12/07/23 10:25
Matrix: Air
Date Received: 12/08/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		10	198511	TPB	EET BUR	12/12/23 17:31

Laboratory References:
EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Crosman Vapor

Job ID: 200-71154-1
SDG: 200-71154-1

Laboratory: Eurofins Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	03-31-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	1,2-Dichloroethene, Total

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Crosman Vapor

Job ID: 200-71154-1
SDG: 200-71154-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Crosman Vapor

Job ID: 200-71154-1
SDG: 200-71154-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-71154-1	SDS-1-120723	Air	12/07/23 10:00	12/08/23 10:20	Air Canister (1-Liter) #6815
200-71154-2	SDS-2-120723	Air	12/07/23 10:05	12/08/23 10:20	Air Canister (1-Liter) #6796
200-71154-3	Combined Influent-120723	Air	12/07/23 10:10	12/08/23 10:20	Air Canister (1-Liter) #6812
200-71154-4	Pre-VPGAC4-120723	Air	12/07/23 10:15	12/08/23 10:20	Air Canister (1-Liter) #6814
200-71154-5	Post-Dilution Eff-120723	Air	12/07/23 10:20	12/08/23 10:20	Air Canister (1-Liter) #6803
200-71154-6	Post-Blower Eff-120723	Air	12/07/23 10:25	12/08/23 10:20	Air Canister (1-Liter) #6801

Post-Sampling Air Canister Pressure Check Record

Login # (w/ Location Code)	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gauge ID	Analyst
200-71154	12/08/23	13:57	29.6	22	G33	JR

Sampling Information and Return Equipment Check	Yes	N o	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	Yes		
(2) Is the flow controller ID used for each canister recorded?	Yes		
(3) MA MCP & NJ DKQP: Check return flow rate for flow controllers		N o	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		N o	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Check[4] Reference	FC Return (Y/N)	Can Cert Batch ID	Comments
200-71154-A-1	6815	-6.7	N	6577	N/A	Y	6813-57886	
200-71154-A-2	6796	-6.9	N	6577	N/A	Y	6813-57886	
200-71154-A-3	6812	-6.9	N	6577	N/A	Y	6813-57886	
200-71154-A-4	6814	-7.0	N	6577	N/A	Y	6813-57886	
200-71154-A-5	6803	-7.1	N	6577	N/A	Y	6813-57886	
200-71154-A-6	6801	-6.4	N	6577	N/A	Y	6813-57886	

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg) with the exception of grab samples or those using 100 or 200mL/minute flow controllers. These samples must be returned at no lower than -10"Hg, but have no specific criteria otherwise.

[2] If return pressure is not within criteria, initiate Non-Conformance Memo.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

[4] Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

Eurofins TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples

200-71154 Chain of Custody

Client Contact Information	Project Manager: Aaron Richardson	**Samples Collected By:**	1 of 1 COC
Company: Arcadis	Phone: 585-662-4024	Bailey Kudla-Williams	
Address: 100 Chestnut Street Suite 1020	Email: Aaron.Richardson@arcadis.com		
City/State/Zip: Rochester, NY 14604			
Phone: 585-662-4057	Site Contact: Bailey Kudla-Williams		
FAX:	Tel: 805-501-8053		
Project Name: Crosman Corporation	**Analysis Turnaround Time**		
Site/Location: East Bloomfield, NY	Standard (Specify): 10-Day		
PO #: 30005202.12	Rush (Specify)_____		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 (Standard)	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas or Sub-slab Vapor	Landfill Gas	Other (Please specify in notes section)
SDS-1-120723	12/7/2023	-	1000	-30	-5.5	-	6815	X									X		
SDS-2-120723	12/7/2023	-	1005	-30	-6	-	6796	X									X		
Combined Influent-120723	12/7/2023	-	1010	-29	-6	-	6812	X									X		
Pre-VPGAC4-120723	12/7/2023	-	1015	-29.5	-5.5	-	6814	X									X		
Post-Dilution Eff-120723	12/7/2023	-	1020	-29.5	-6	-	6803	X									X		
Post-Blower Eff-120723	12/7/2023	-	1025	-29.5	-5	-	6801	X									X		

Temperature (Fahrenheit)			Pressure (inches of Hg)		
	Interior	Ambient		Interior	Ambient
Start	65F	35F	Start	—	—
Stop	65F	35F	Stop	—	

Special Instructions/QC Requirements & Comments: Site Specific Analyte List of 16 VOCs

Samples Shipped by: Bailey Kudla-Williams	Date/Time: 12-7-23 1600	Samples Received by: ETA-Burl	12/8/23 1020
Samples Relinquished by:	Date/Time:	Received by:	
Relinquished by:	Date/Time:	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

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12/18/2023

ORIGIN ID:ONHA (805) 501-8053
ARCADIS
100 CHESTNUT ST STE 1020
ROCHESTER, NY 14604
UNITED STATES US

SHIP DATE: 07DEC23
ACTWGT: 8.35 LB
CAD: 6992065/SSFO2460
DIMS: 16x10x10 IN
BILL THIRD PARTY

TO
EUROFINS
30 COMMUNITY DR STE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
INV:
PO:
REF:
DEPT:

FedEx Express

1 of 2
TRK# 0201 7876 5068 0164
MASTER
XE BTVA

FRI - 08 DEC 5:00P
STANDARD OVERNIGHT
05403
VT-US BTV

Part # 156297-435 RRD82 EXP 08/24

ORIGIN ID:ONHA (805) 501-8053
ARCADIS
100 CHESTNUT ST STE 1020
ROCHESTER, NY 14604
UNITED STATES US

SHIP DATE: 07DEC23
ACTWGT: 10.95 LB
CAD: 6992065/SSFO2460
DIMS: 16x10x10 IN
BILL THIRD PARTY

TO
EUROFINS
30 COMMUNITY DR STE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
INV:
PO:
REF:
DEPT:

FedEx Express

2 of 2
MPS# 0263 7876 5068 0175
Mstr# 7876 5068 0164
0201
XE BTVA

FRI - 08 DEC 5:00P
STANDARD OVERNIGHT
05403
VT-US BTV

Part # 156297-435 RRD82 EXP 08/24

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 200-71154-1
SDG Number: 200-71154-1

Login Number: 71154
List Number: 1
Creator: Reynolds, Jamie K

List Source: Eurofins Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	2138078, 2138079
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Oven 1/2	0	10	11/19/2023	1517	22	22	SML	1 liter	batch

						Initial Reading					Final Reading				
Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Gauge:	Date:	Time:	Tech:	Temp:	Gauge:	Date:	Time:	Tech:	Temp:
1	6814	1.08	1.08	0	29.2	G26	11/27/23	0946	SML	22.0	G26	11/27/23	0946	"	22.0
2	6810		1.08	0		G26					G26				
3	6820		1.08	0		G26					G26				
4	6815		1.08	0		G26					G26				
5	6813	1.08	1.08	0		G26	11/27/23	0946	"	22.0	G26				
6	6799	1.08	1.08	0		G26	11/27/23	0946	SML	22.0	G26				
7	6796		1.08	0		G26					G26				
8	6811		1.08	0		G26					G26				
9	6803		1.08	0		G26					G26				
10	6812		1.08	0		G26					G26				
11	6801		1.08	0		G26					G26				
12	6850		1.08	0		G26					G26				

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister — PM Authorization — Date:

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL

				Inventory Level				Secondary Review		
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewe
6813	11/21/22	57886	ABI			XXXXXX			11/21/23	CC

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-70836-1

SDG No.:

Client Sample ID: 6813 Lab Sample ID: 200-70836-5

Matrix: Air Lab File ID: 57886-06.D

Analysis Method: TO-15 Date Collected: 11/19/2023 00:00

Sample wt/vol: 200(mL) Date Analyzed: 11/20/2023 11:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 197699 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.50	U	0.50	0.50
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.40	U	0.40	0.40
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-70836-1

SDG No.:

Client Sample ID: 6813 Lab Sample ID: 200-70836-5

Matrix: Air Lab File ID: 57886-06.D

Analysis Method: TO-15 Date Collected: 11/19/2023 00:00

Sample wt/vol: 200(mL) Date Analyzed: 11/20/2023 11:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 197699 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.70	U	0.70	0.70
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-70836-1

SDG No.:

Client Sample ID: 6813 Lab Sample ID: 200-70836-5

Matrix: Air Lab File ID: 57886-06.D

Analysis Method: TO-15 Date Collected: 11/19/2023 00:00

Sample wt/vol: 200(mL) Date Analyzed: 11/20/2023 11:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 197699 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20231119-57886.b\57886-06.D
Lims ID: 200-70836-A-5
Client ID: 6813
Sample Type: Client
Inject. Date: 20-Nov-2023 11:30:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0057886-006
Misc. Info.: 70836-5
Operator ID: wrd Instrument ID: CHX.i

Method: \\chromfs\Burlington\ChromData\CHX.i\20231119-57886.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Nov-2023 07:57:45 Calib Date: 07-Nov-2023 01:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20231106-57686.b\57686-13.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: bunmaa Date: 21-Nov-2023 07:57:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.323				ND	
3 Dichlorodifluoromethane	85		4.425				ND	
4 Chlorodifluoromethane	51		4.473				ND	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.789				ND	
6 Chloromethane	50		4.912				ND	
7 Vinyl chloride	62		5.228				ND	
8 Butane	43		5.228				ND	
9 Butadiene	54		5.340				ND	
10 Bromomethane	94		6.051				ND	
12 Chloroethane	64		6.319				ND	
14 Vinyl bromide	106		6.741				ND	
15 Trichlorofluoromethane	101		6.897				ND	
17 Ethanol	45	7.378	7.378	0.053	91	1192	0.2727	M
20 1,1-Dichloroethene	96		7.961				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		7.999				ND	
22 Acetone	43		8.074				ND	
24 Carbon disulfide	76		8.362				ND	MU
23 Isopropyl alcohol	45	8.469	8.480	0.074	94	1588	0.1054	
27 3-Chloro-1-propene	41		8.662				ND	
28 Methylene Chloride	49		8.892				ND	
29 2-Methyl-2-propanol	59		9.170				ND	
32 trans-1,2-Dichloroethene	61		9.384				ND	
31 Methyl tert-butyl ether	73		9.411				ND	
S 33 1,2-Dichloroethene, Total	61		9.665				ND	7
34 Hexane	57		9.882				ND	
36 1,1-Dichloroethane	63		10.155				ND	
35 Vinyl acetate	43		10.165				ND	
37 2-Butanone (MEK)	72		11.144				ND	
38 cis-1,2-Dichloroethene	96		11.150				ND	
39 Ethyl acetate	88		11.219				ND	
* 40 Chlorobromomethane	128	11.556	11.556	0.000	82	60229	10.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	41 Tetrahydrofuran	42		11.615				ND	
	42 Chloroform	83		11.733				ND	
	43 1,1,1-Trichloroethane	97		12.032				ND	
	44 Cyclohexane	84		12.161				ND	
	45 Carbon tetrachloride	117		12.305				ND	
	46 Benzene	78		12.653				ND	
	47 1,2-Dichloroethane	62		12.739				ND	
	48 Isooctane	57		12.862				ND	
	49 n-Heptane	43		13.166				ND	
*	50 1,4-Difluorobenzene	114	13.386	13.391	-0.005	93	305216	10.0	
	52 Trichloroethene	95		13.819				ND	
	55 1,2-Dichloropropane	63		14.279				ND	
	56 Methyl methacrylate	69		14.376				ND	
	57 1,4-Dioxane	88		14.434				ND	
	58 Dibromomethane	174		14.440				ND	
	59 Dichlorobromomethane	83		14.750				ND	
	60 cis-1,3-Dichloropropene	75		15.547				ND	
	62 4-Methyl-2-pentanone (MIBK)	43		15.841				ND	
	63 Toluene	92		16.178				ND	
	67 trans-1,3-Dichloropropene	75		16.601				ND	
	68 1,1,2-Trichloroethane	83		16.975				ND	
	69 Tetrachloroethene	166		17.163				ND	
	70 2-Hexanone	43		17.436				ND	
	71 Chlorodibromomethane	129		17.708				ND	
	72 Ethylene Dibromide	107		17.949				ND	
*	73 Chlorobenzene-d5	117	18.853	18.853	0.000	84	265967	10.0	
	74 Chlorobenzene	112		18.912				ND	
	75 Ethylbenzene	91		19.099				ND	7
	76 m-Xylene & p-Xylene	106		19.361				ND	
S	78 Xylenes, Total	106		19.600				ND	7
	79 o-Xylene	106		20.132				ND	
	80 Styrene	104		20.169				ND	
	81 Bromoform	173		20.517				ND	
	82 Isopropylbenzene	105		20.817				ND	
	83 1,1,2,2-Tetrachloroethane	83		21.346				ND	
	85 N-Propylbenzene	91		21.528				ND	
	86 2-Chlorotoluene	91		21.678				ND	
	87 4-Ethyltoluene	105		21.726				ND	
	88 1,3,5-Trimethylbenzene	105		21.817				ND	
	91 tert-Butylbenzene	119		22.298				ND	
	92 1,2,4-Trimethylbenzene	105		22.384				ND	
	93 sec-Butylbenzene	105		22.619				ND	
	94 1,3-Dichlorobenzene	146		22.791				ND	
	95 4-Isopropyltoluene	119		22.828				ND	
	96 1,4-Dichlorobenzene	146		22.935				ND	
	97 Benzyl chloride	91		23.085				ND	
	98 n-Butylbenzene	91		23.384				ND	
	99 1,2-Dichlorobenzene	146		23.427				ND	
	102 1,2,4-Trichlorobenzene	180		25.861				ND	
	103 Hexachlorobutadiene	225		26.102				ND	
	104 Naphthalene	128		26.343				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15XISs_00003 Amount Added: 20.00 Units: mL Run Reagent

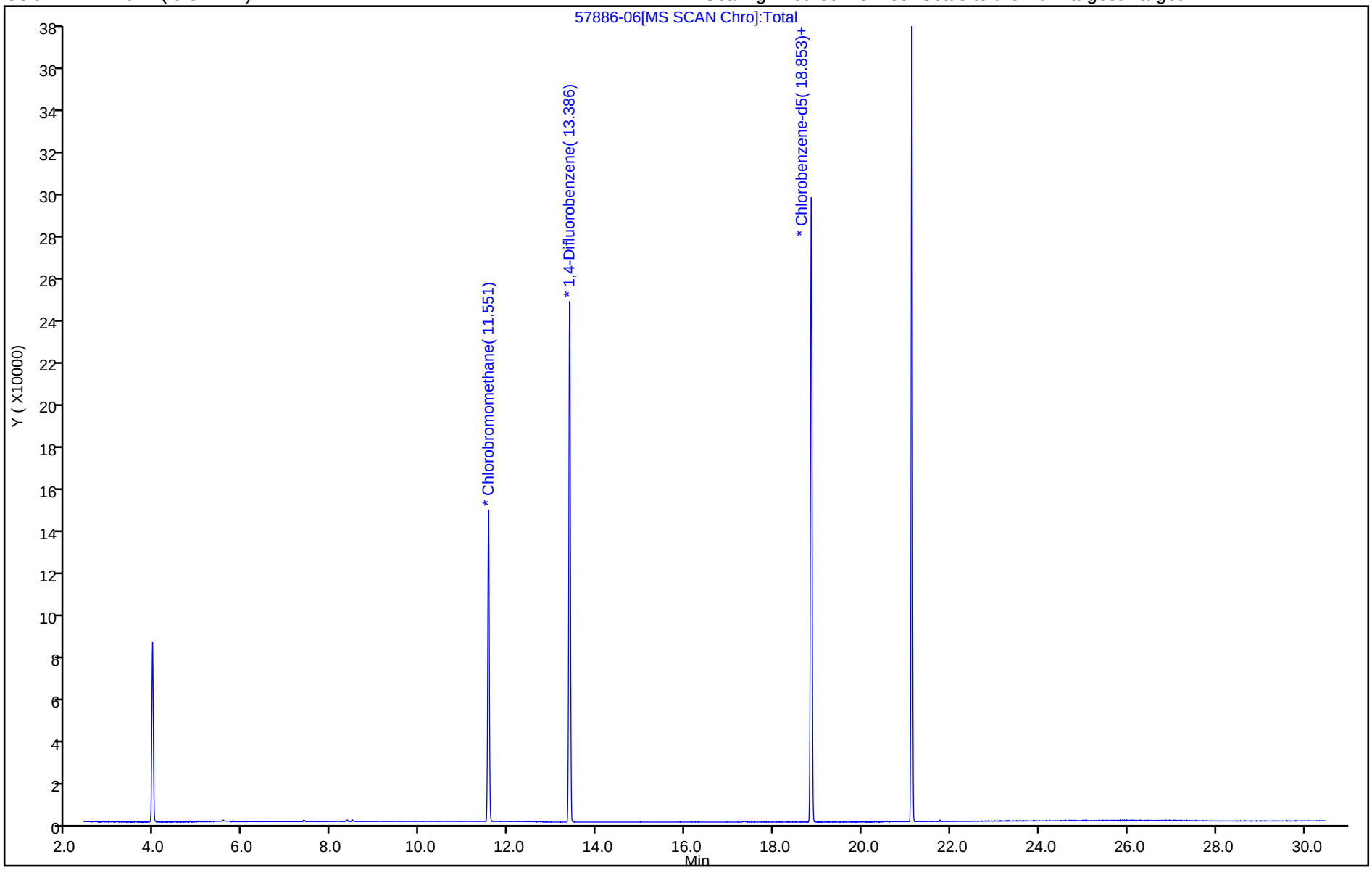
Report Date: 21-Nov-2023 07:57:45 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20231119-57886.b\57886-06.D

Injection Date:	20-Nov-2023 11:30:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-70836-A-5	Lab Sample ID:	200-70836-5	Worklist Smp#:	6
Client ID:	6813				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

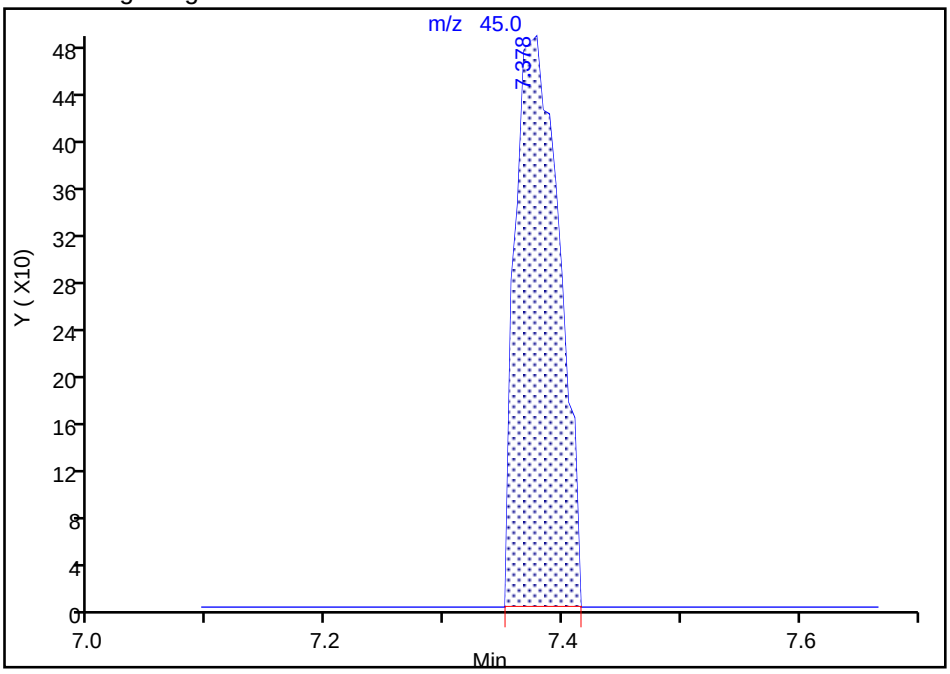
Data File:	\\chromfs\Burlington\ChromData\CHX.i\20231119-57886.b\57886-06.D				
Injection Date:	20-Nov-2023 11:30:30	Instrument ID:	CHX.i		
Lims ID:	200-70836-A-5	Lab Sample ID:	200-70836-5		
Client ID:	6813				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

17 Ethanol, CAS: 64-17-5

Signal: 1

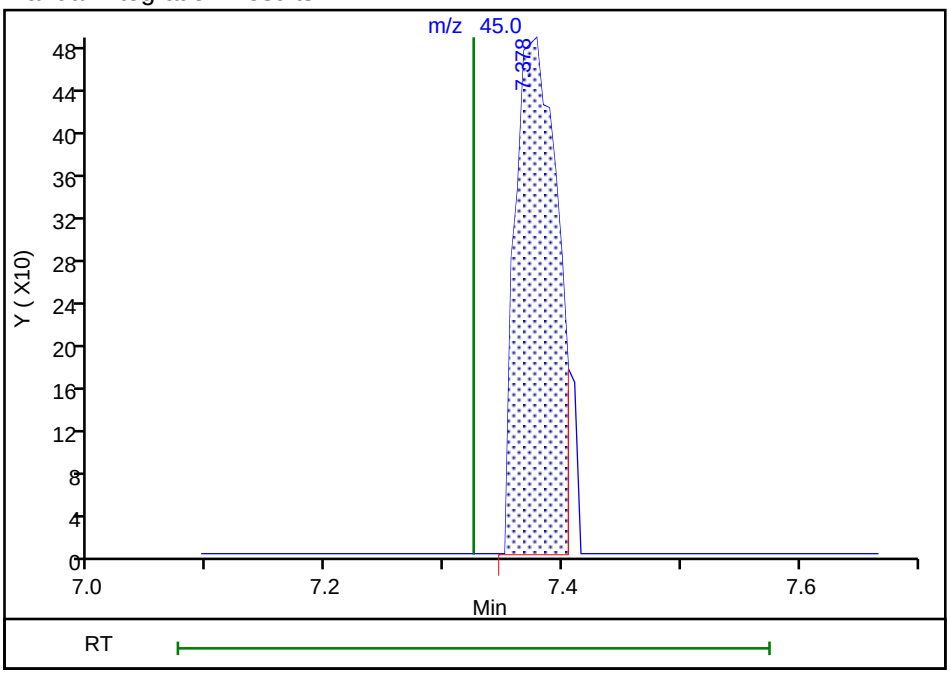
Processing Integration Results

RT: 7.38
Area: 1244
Amount: 0.284600
Amount Units: ppb v/v



Manual Integration Results

RT: 7.38
Area: 1192
Amount: 0.272704
Amount Units: ppb v/v



Reviewer: bunmaa, 21-Nov-2023 07:56:18 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

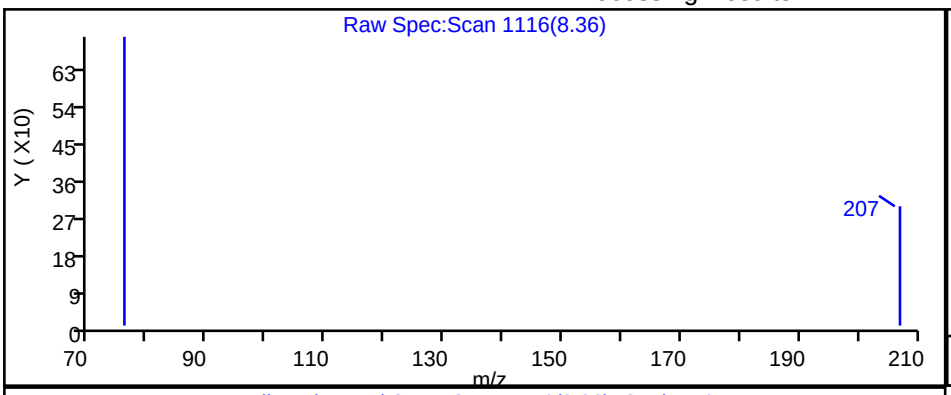
User Disabled Compound Report

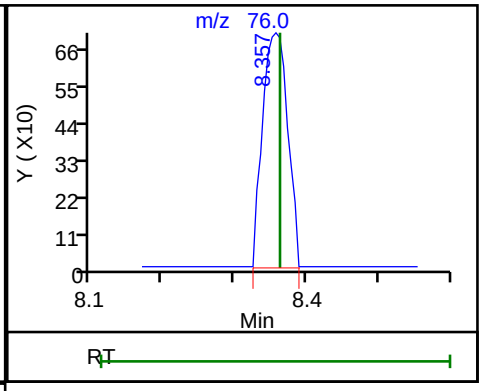
Eurofins Burlington

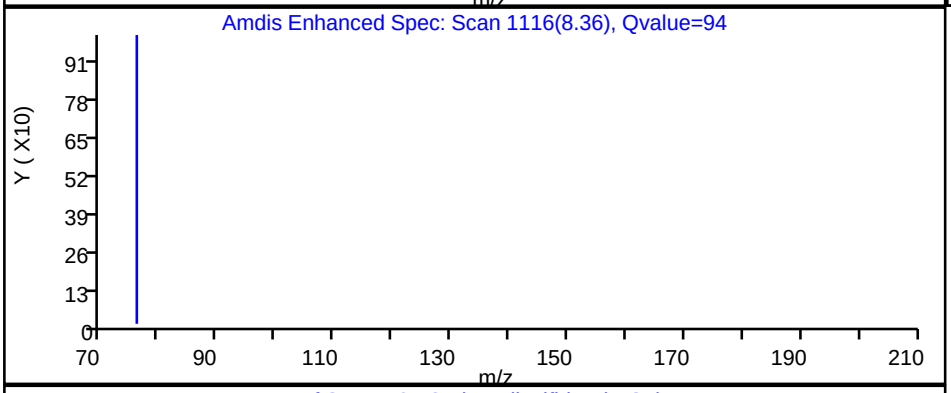
Data File:	\\chromfs\Burlington\ChromData\CHX.i\20231119-57886.b\57886-06.D				
Injection Date:	20-Nov-2023 11:30:30	Instrument ID:	CHX.i		
Lims ID:	200-70836-A-5	Lab Sample ID:	200-70836-5		
Client ID:	6813				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

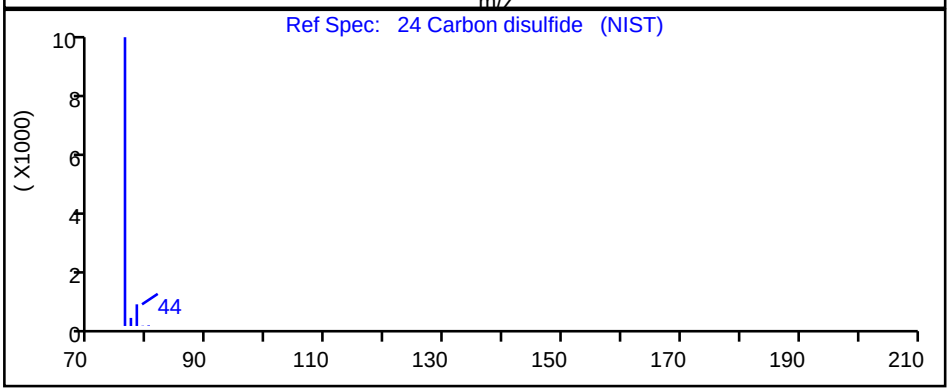
24 Carbon disulfide, CAS: 75-15-0

Processing Results









RT	Mass	Response	Amount
8.36	76.00	1710	0.061323

Reviewer: bunmaa, 21-Nov-2023 07:56:38 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Summa Canister Dilution Worksheet

Client: ARCADIS U.S. Inc
Project/Site: Crosman Vapor

Job No.: 200-71154-1
SDG No.: 200-71154-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
200-71154-1	1	-2.0	0.93	0.93	41.4	3.82	3.82		4.09	4.09	G30	12/12/23 10:28	TPB
200-71154-1	1	0	1.00	1.00	42.7	3.90	3.90		3.90	15.97	G30	12/13/23 14:50	TPB
200-71154-2	1	-8.0	0.73	0.73	43.0	3.93	3.93		5.36	5.36	G30	12/13/23 14:51	TPB
200-71154-2	1	0	1.00	1.00	41.6	3.83	3.83		3.83	20.52	G30	12/13/23 14:51	TPB
200-71154-3	1	-6.7	0.78	0.78	39.8	3.71	3.71		4.78	4.78	G30	12/13/23 14:51	TPB
200-71154-3	1	0	1.00	1.00	43.6	3.97	3.97		3.97	18.95	G30	12/13/23 14:51	TPB
200-71154-4	1	-8.3	0.72	0.72	40.3	3.74	3.74		5.18	5.18	G30	12/12/23 10:28	TPB
200-71154-4	1	0	1.00	1.00	22.7	2.54	2.54		2.54	13.17	G30	12/12/23 10:28	TPB

Formulae:

Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg
Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig)* Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

ANALYTICAL REPORT

PREPARED FOR

Attn: Christopher Davern
Arcadis U.S., Inc.
201 Fuller Road
Suite 201
Albany, New York 12203

Generated 5/17/2024 8:42:07 AM

JOB DESCRIPTION

Crosman Vapor
200-73398-1

JOB NUMBER

200-73398-1

Eurofins Burlington
530 Community Drive
Suite 11
South Burlington VT 05403

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization

Generated
5/17/2024 8:42:07 AM

Authorized for release by
Elizabeth Nye, Project Manager I
Elizabeth.Nye@et.eurofinsus.com
(802)923-1029

Table of Contents

Definitions/Glossary

Client: Arcadis U.S., Inc.
Project/Site: Crosman Vapor

Job ID: 200-73398-1
SDG: 200-73398-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CASE NARRATIVE

Client: Arcadis U.S., Inc.

Project: Crosman Vapor

Report Number: 200-73398-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 05/04/2024; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS
Samples SDS-1-05032024, SDS-2-05032024, COMBINED INFLUENT-05032024, PRE-VPGAC4-05032024, POST-DILUTION EFF-05032024 and POST-BLOWER EFF-05032024 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 05/08/2024, 05/09/2024 and 05/13/2024.

Samples SDS-1-05032024[200X], SDS-1-05032024[40X], SDS-2-05032024[100X], SDS-2-05032024[20X], COMBINED INFLUENT-05032024[100X], COMBINED INFLUENT-05032024[20X], PRE-VPGAC4-05032024[10X], PRE-VPGAC4-05032024[15X], POST-DILUTION EFF-05032024[10X] and POST-BLOWER EFF-05032024[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Arcadis U.S., Inc.
Project/Site: Crosman Vapor

Job ID: 200-73398-1
SDG: 200-73398-1

Client Sample ID: SDS-1-05032024 — Lab Sample ID: 200-73398-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.89	J	8.0	0.84	ppb v/v	40		TO-15	Total/NA
Trichloroethene - DL	1800	D	7.0	5.0	ppb v/v	200		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	6.0	J	54	5.7	ug/m3	40		TO-15	Total/NA
Trichloroethene - DL	9800	D	38	27	ug/m3	200		TO-15	Total/NA

Client Sample ID: SDS-2-05032024 — Lab Sample ID: 200-73398-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	14		1.0	0.42	ppb v/v	20		TO-15	Total/NA
1,2-Dichloroethene, Total	14		8.0	0.42	ppb v/v	20		TO-15	Total/NA
Tetrachloroethene	1.0	J	4.0	0.42	ppb v/v	20		TO-15	Total/NA
Trichloroethene - DL	900	D	3.5	2.5	ppb v/v	100		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	56		4.0	1.7	ug/m3	20		TO-15	Total/NA
1,2-Dichloroethene, Total	56		32	1.7	ug/m3	20		TO-15	Total/NA
Tetrachloroethene	6.9	J	27	2.8	ug/m3	20		TO-15	Total/NA
Trichloroethene - DL	4800	D	19	13	ug/m3	100		TO-15	Total/NA

Client Sample ID: COMBINED INFLUENT-05032024 — Lab Sample ID: 200-73398-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	11		1.0	0.42	ppb v/v	20		TO-15	Total/NA
1,2-Dichloroethene, Total	11		8.0	0.42	ppb v/v	20		TO-15	Total/NA
Tetrachloroethene	1.0	J	4.0	0.42	ppb v/v	20		TO-15	Total/NA
Trichloroethene - DL	960	D	3.5	2.5	ppb v/v	100		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	44		4.0	1.7	ug/m3	20		TO-15	Total/NA
1,2-Dichloroethene, Total	44		32	1.7	ug/m3	20		TO-15	Total/NA
Tetrachloroethene	7.0	J	27	2.8	ug/m3	20		TO-15	Total/NA
Trichloroethene - DL	5200	D	19	13	ug/m3	100		TO-15	Total/NA

Client Sample ID: PRE-VPGAC4-05032024 — Lab Sample ID: 200-73398-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	0.46	J	2.0	0.23	ppb v/v	10		TO-15	Total/NA
cis-1,2-Dichloroethene	22		0.50	0.21	ppb v/v	10		TO-15	Total/NA
1,2-Dichloroethene, Total	22		4.0	0.21	ppb v/v	10		TO-15	Total/NA
Trichloroethene - DL	420	D	0.53	0.38	ppb v/v	15		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	1.8	J	7.9	0.91	ug/m3	10		TO-15	Total/NA
cis-1,2-Dichloroethene	89		2.0	0.83	ug/m3	10		TO-15	Total/NA
1,2-Dichloroethene, Total	89		16	0.83	ug/m3	10		TO-15	Total/NA
Trichloroethene - DL	2300	D	2.8	2.0	ug/m3	15		TO-15	Total/NA

Client Sample ID: POST-DILUTION EFF-05032024 — Lab Sample ID: 200-73398-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	10		0.50	0.21	ppb v/v	10		TO-15	Total/NA
1,2-Dichloroethene, Total	10		4.0	0.21	ppb v/v	10		TO-15	Total/NA
Trichloroethene	320		0.35	0.25	ppb v/v	10		TO-15	Total/NA
Toluene	1.3	J	2.0	0.62	ppb v/v	10		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Arcadis U.S., Inc.
Project/Site: Crosman Vapor

Job ID: 200-73398-1
SDG: 200-73398-1

Client Sample ID: POST-DILUTION EFF-05032024 (Continued) — Lab Sample ID: 200-73398-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	41		2.0	0.83	ug/m3	10		TO-15	Total/NA
1,2-Dichloroethene, Total	40		16	0.83	ug/m3	10		TO-15	Total/NA
Trichloroethene	1700		1.9	1.3	ug/m3	10		TO-15	Total/NA
Toluene	4.7	J	7.5	2.3	ug/m3	10		TO-15	Total/NA

Client Sample ID: POST-BLOWER EFF-05032024 — Lab Sample ID: 200-73398-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.1		0.50	0.21	ppb v/v	10		TO-15	Total/NA
1,2-Dichloroethene, Total	4.1		4.0	0.21	ppb v/v	10		TO-15	Total/NA
Trichloroethene	140		0.35	0.25	ppb v/v	10		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	16		2.0	0.83	ug/m3	10		TO-15	Total/NA
1,2-Dichloroethene, Total	16		16	0.83	ug/m3	10		TO-15	Total/NA
Trichloroethene	740		1.9	1.3	ug/m3	10		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SDS-1-05032024

Date Collected: 05/03/24 10:20
Date Received: 05/04/24 09:45
Sample Container: Summa Canister 1L

Lab Sample ID: 200-73398-1

Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	3.1	U	3.1	0.84	ppb v/v			05/08/24 22:36	40
1,1-Dichloroethene	1.4	U	1.4	1.0	ppb v/v			05/08/24 22:36	40
Acetone	200	U	200	64	ppb v/v			05/08/24 22:36	40
Methylene Chloride	20	U	20	7.2	ppb v/v			05/08/24 22:36	40
trans-1,2-Dichloroethene	8.0	U	8.0	0.92	ppb v/v			05/08/24 22:36	40
1,1-Dichloroethane	8.0	U	8.0	1.0	ppb v/v			05/08/24 22:36	40
cis-1,2-Dichloroethene	2.0	U	2.0	0.84	ppb v/v			05/08/24 22:36	40
1,2-Dichloroethene, Total	16	U	16	0.84	ppb v/v			05/08/24 22:36	40
1,1,1-Trichloroethane	8.0	U	8.0	1.8	ppb v/v			05/08/24 22:36	40
Carbon tetrachloride	1.4	U	1.4	0.88	ppb v/v			05/08/24 22:36	40
Benzene	8.0	U	8.0	1.8	ppb v/v			05/08/24 22:36	40
Toluene	8.0	U	8.0	2.5	ppb v/v			05/08/24 22:36	40
Tetrachloroethene	**0.89**	**J**	8.0	0.84	ppb v/v			05/08/24 22:36	40
Chlorobenzene	8.0	U	8.0	1.8	ppb v/v			05/08/24 22:36	40
m,p-Xylene	20	U	20	3.8	ppb v/v			05/08/24 22:36	40
Xylene, o-	8.0	U	8.0	2.5	ppb v/v			05/08/24 22:36	40
Bromoform	8.0	U	8.0	4.8	ppb v/v			05/08/24 22:36	40
1,1,2,2-Tetrachloroethane	8.0	U	8.0	1.7	ppb v/v			05/08/24 22:36	40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	8.0	U	8.0	2.1	ug/m3			05/08/24 22:36	40
1,1-Dichloroethene	5.6	U	5.6	4.1	ug/m3			05/08/24 22:36	40
Acetone	480	U	480	150	ug/m3			05/08/24 22:36	40
Methylene Chloride	69	U	69	25	ug/m3			05/08/24 22:36	40
trans-1,2-Dichloroethene	32	U	32	3.6	ug/m3			05/08/24 22:36	40
1,1-Dichloroethane	32	U	32	4.0	ug/m3			05/08/24 22:36	40
cis-1,2-Dichloroethene	7.9	U	7.9	3.3	ug/m3			05/08/24 22:36	40
1,2-Dichloroethene, Total	63	U	63	3.3	ug/m3			05/08/24 22:36	40
1,1,1-Trichloroethane	44	U	44	9.6	ug/m3			05/08/24 22:36	40
Carbon tetrachloride	8.8	U	8.8	5.5	ug/m3			05/08/24 22:36	40
Benzene	26	U	26	5.6	ug/m3			05/08/24 22:36	40
Toluene	30	U	30	9.3	ug/m3			05/08/24 22:36	40
Tetrachloroethene	**6.0**	**J**	54	5.7	ug/m3			05/08/24 22:36	40
Chlorobenzene	37	U	37	8.1	ug/m3			05/08/24 22:36	40
m,p-Xylene	87	U	87	17	ug/m3			05/08/24 22:36	40
Xylene, o-	35	U	35	11	ug/m3			05/08/24 22:36	40
Bromoform	83	U	83	50	ug/m3			05/08/24 22:36	40
1,1,2,2-Tetrachloroethane	55	U	55	12	ug/m3			05/08/24 22:36	40

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**1800**	**D**	7.0	5.0	ppb v/v			05/08/24 23:32	200

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**9800**	**D**	38	27	ug/m3			05/08/24 23:32	200

Client: Arcadis U.S., Inc.
Project/Site: Crosman Vapor

Job ID: 200-73398-1
SDG: 200-73398-1

Client Sample ID: SDS-2-05032024
Date Collected: 05/03/24 10:25
Date Received: 05/04/24 09:45
Sample Container: Summa Canister 1L

Lab Sample ID: 200-73398-2
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.6	U	1.6	0.42	ppb v/v			05/09/24 00:27	20
1,1-Dichloroethene	0.70	U	0.70	0.52	ppb v/v			05/09/24 00:27	20
Acetone	100	U	100	32	ppb v/v			05/09/24 00:27	20
Methylene Chloride	10	U	10	3.6	ppb v/v			05/09/24 00:27	20
trans-1,2-Dichloroethene	4.0	U	4.0	0.46	ppb v/v			05/09/24 00:27	20
1,1-Dichloroethane	4.0	U	4.0	0.50	ppb v/v			05/09/24 00:27	20
cis-1,2-Dichloroethene	**14**		1.0	0.42	ppb v/v			05/09/24 00:27	20
1,2-Dichloroethene, Total	**14**		8.0	0.42	ppb v/v			05/09/24 00:27	20
1,1,1-Trichloroethane	4.0	U	4.0	0.88	ppb v/v			05/09/24 00:27	20
Carbon tetrachloride	0.70	U	0.70	0.44	ppb v/v			05/09/24 00:27	20
Benzene	4.0	U	4.0	0.88	ppb v/v			05/09/24 00:27	20
Toluene	4.0	U	4.0	1.2	ppb v/v			05/09/24 00:27	20
Tetrachloroethene	**1.0**	**J**	4.0	0.42	ppb v/v			05/09/24 00:27	20
Chlorobenzene	4.0	U	4.0	0.88	ppb v/v			05/09/24 00:27	20
m,p-Xylene	10	U	10	1.9	ppb v/v			05/09/24 00:27	20
Xylene, o-	4.0	U	4.0	1.3	ppb v/v			05/09/24 00:27	20
Bromoform	4.0	U	4.0	2.4	ppb v/v			05/09/24 00:27	20
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.86	ppb v/v			05/09/24 00:27	20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	4.0	U	4.0	1.1	ug/m3			05/09/24 00:27	20
1,1-Dichloroethene	2.8	U	2.8	2.1	ug/m3			05/09/24 00:27	20
Acetone	240	U	240	76	ug/m3			05/09/24 00:27	20
Methylene Chloride	35	U	35	13	ug/m3			05/09/24 00:27	20
trans-1,2-Dichloroethene	16	U	16	1.8	ug/m3			05/09/24 00:27	20
1,1-Dichloroethane	16	U	16	2.0	ug/m3			05/09/24 00:27	20
cis-1,2-Dichloroethene	**56**		4.0	1.7	ug/m3			05/09/24 00:27	20
1,2-Dichloroethene, Total	**56**		32	1.7	ug/m3			05/09/24 00:27	20
1,1,1-Trichloroethane	22	U	22	4.8	ug/m3			05/09/24 00:27	20
Carbon tetrachloride	4.4	U	4.4	2.8	ug/m3			05/09/24 00:27	20
Benzene	13	U	13	2.8	ug/m3			05/09/24 00:27	20
Toluene	15	U	15	4.7	ug/m3			05/09/24 00:27	20
Tetrachloroethene	**6.9**	**J**	27	2.8	ug/m3			05/09/24 00:27	20
Chlorobenzene	18	U	18	4.1	ug/m3			05/09/24 00:27	20
m,p-Xylene	43	U	43	8.3	ug/m3			05/09/24 00:27	20
Xylene, o-	17	U	17	5.5	ug/m3			05/09/24 00:27	20
Bromoform	41	U	41	25	ug/m3			05/09/24 00:27	20
1,1,2,2-Tetrachloroethane	27	U	27	5.9	ug/m3			05/09/24 00:27	20

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**900**	**D**	3.5	2.5	ppb v/v			05/09/24 01:23	100

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**4800**	**D**	19	13	ug/m3			05/09/24 01:23	100

Client: Arcadis U.S., Inc.
Project/Site: Crosman Vapor

Job ID: 200-73398-1
SDG: 200-73398-1

Client Sample ID: COMBINED INFLUENT-05032024
Lab Sample ID: 200-73398-3
Date Collected: 05/03/24 10:30
Matrix: Air
Date Received: 05/04/24 09:45
Sample Container: Summa Canister 1L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.6	U	1.6	0.42	ppb v/v			05/09/24 04:11	20
1,1-Dichloroethene	0.70	U	0.70	0.52	ppb v/v			05/09/24 04:11	20
Acetone	100	U	100	32	ppb v/v			05/09/24 04:11	20
Methylene Chloride	10	U	10	3.6	ppb v/v			05/09/24 04:11	20
trans-1,2-Dichloroethene	4.0	U	4.0	0.46	ppb v/v			05/09/24 04:11	20
1,1-Dichloroethane	4.0	U	4.0	0.50	ppb v/v			05/09/24 04:11	20
cis-1,2-Dichloroethene	**11**		1.0	0.42	ppb v/v			05/09/24 04:11	20
1,2-Dichloroethene, Total	**11**		8.0	0.42	ppb v/v			05/09/24 04:11	20
1,1,1-Trichloroethane	4.0	U	4.0	0.88	ppb v/v			05/09/24 04:11	20
Carbon tetrachloride	0.70	U	0.70	0.44	ppb v/v			05/09/24 04:11	20
Benzene	4.0	U	4.0	0.88	ppb v/v			05/09/24 04:11	20
Toluene	4.0	U	4.0	1.2	ppb v/v			05/09/24 04:11	20
Tetrachloroethene	**1.0**	**J**	4.0	0.42	ppb v/v			05/09/24 04:11	20
Chlorobenzene	4.0	U	4.0	0.88	ppb v/v			05/09/24 04:11	20
m,p-Xylene	10	U	10	1.9	ppb v/v			05/09/24 04:11	20
Xylene, o-	4.0	U	4.0	1.3	ppb v/v			05/09/24 04:11	20
Bromoform	4.0	U	4.0	2.4	ppb v/v			05/09/24 04:11	20
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.86	ppb v/v			05/09/24 04:11	20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	4.0	U	4.0	1.1	ug/m3			05/09/24 04:11	20
1,1-Dichloroethene	2.8	U	2.8	2.1	ug/m3			05/09/24 04:11	20
Acetone	240	U	240	76	ug/m3			05/09/24 04:11	20
Methylene Chloride	35	U	35	13	ug/m3			05/09/24 04:11	20
trans-1,2-Dichloroethene	16	U	16	1.8	ug/m3			05/09/24 04:11	20
1,1-Dichloroethane	16	U	16	2.0	ug/m3			05/09/24 04:11	20
cis-1,2-Dichloroethene	**44**		4.0	1.7	ug/m3			05/09/24 04:11	20
1,2-Dichloroethene, Total	**44**		32	1.7	ug/m3			05/09/24 04:11	20
1,1,1-Trichloroethane	22	U	22	4.8	ug/m3			05/09/24 04:11	20
Carbon tetrachloride	4.4	U	4.4	2.8	ug/m3			05/09/24 04:11	20
Benzene	13	U	13	2.8	ug/m3			05/09/24 04:11	20
Toluene	15	U	15	4.7	ug/m3			05/09/24 04:11	20
Tetrachloroethene	**7.0**	**J**	27	2.8	ug/m3			05/09/24 04:11	20
Chlorobenzene	18	U	18	4.1	ug/m3			05/09/24 04:11	20
m,p-Xylene	43	U	43	8.3	ug/m3			05/09/24 04:11	20
Xylene, o-	17	U	17	5.5	ug/m3			05/09/24 04:11	20
Bromoform	41	U	41	25	ug/m3			05/09/24 04:11	20
1,1,2,2-Tetrachloroethane	27	U	27	5.9	ug/m3			05/09/24 04:11	20

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**960**	**D**	3.5	2.5	ppb v/v			05/09/24 05:07	100

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**5200**	**D**	19	13	ug/m3			05/09/24 05:07	100

Client Sample ID: PRE-VPGAC4-05032024

Lab Sample ID: 200-73398-4

Date Collected: 05/03/24 10:35
Matrix: Air
Date Received: 05/04/24 09:45
Sample Container: Summa Canister 1L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.78	U	0.78	0.21	ppb v/v			05/13/24 13:42	10
1,1-Dichloroethene	0.35	U	0.35	0.26	ppb v/v			05/13/24 13:42	10
Acetone	50	U	50	16	ppb v/v			05/13/24 13:42	10
Methylene Chloride	5.0	U	5.0	1.8	ppb v/v			05/13/24 13:42	10
trans-1,2-Dichloroethene	**0.46**	**J**	2.0	0.23	ppb v/v			05/13/24 13:42	10
1,1-Dichloroethane	2.0	U	2.0	0.25	ppb v/v			05/13/24 13:42	10
cis-1,2-Dichloroethene	**22**		0.50	0.21	ppb v/v			05/13/24 13:42	10
1,2-Dichloroethene, Total	**22**		4.0	0.21	ppb v/v			05/13/24 13:42	10
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ppb v/v			05/13/24 13:42	10
Carbon tetrachloride	0.35	U	0.35	0.22	ppb v/v			05/13/24 13:42	10
Benzene	2.0	U	2.0	0.44	ppb v/v			05/13/24 13:42	10
Toluene	2.0	U	2.0	0.62	ppb v/v			05/13/24 13:42	10
Tetrachloroethene	2.0	U	2.0	0.21	ppb v/v			05/13/24 13:42	10
Chlorobenzene	2.0	U	2.0	0.44	ppb v/v			05/13/24 13:42	10
m,p-Xylene	5.0	U	5.0	0.95	ppb v/v			05/13/24 13:42	10
Xylene, o-	2.0	U	2.0	0.63	ppb v/v			05/13/24 13:42	10
Bromoform	2.0	U	2.0	1.2	ppb v/v			05/13/24 13:42	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			05/13/24 13:42	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	2.0	U	2.0	0.54	ug/m3			05/13/24 13:42	10
1,1-Dichloroethene	1.4	U	1.4	1.0	ug/m3			05/13/24 13:42	10
Acetone	120	U	120	38	ug/m3			05/13/24 13:42	10
Methylene Chloride	17	U	17	6.3	ug/m3			05/13/24 13:42	10
trans-1,2-Dichloroethene	**1.8**	**J**	7.9	0.91	ug/m3			05/13/24 13:42	10
1,1-Dichloroethane	8.1	U	8.1	1.0	ug/m3			05/13/24 13:42	10
cis-1,2-Dichloroethene	**89**		2.0	0.83	ug/m3			05/13/24 13:42	10
1,2-Dichloroethene, Total	**89**		16	0.83	ug/m3			05/13/24 13:42	10
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			05/13/24 13:42	10
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			05/13/24 13:42	10
Benzene	6.4	U	6.4	1.4	ug/m3			05/13/24 13:42	10
Toluene	7.5	U	7.5	2.3	ug/m3			05/13/24 13:42	10
Tetrachloroethene	14	U	14	1.4	ug/m3			05/13/24 13:42	10
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			05/13/24 13:42	10
m,p-Xylene	22	U	22	4.1	ug/m3			05/13/24 13:42	10
Xylene, o-	8.7	U	8.7	2.7	ug/m3			05/13/24 13:42	10
Bromoform	21	U	21	12	ug/m3			05/13/24 13:42	10
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			05/13/24 13:42	10

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**420**	**D**	0.53	0.38	ppb v/v			05/09/24 18:47	15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**2300**	**D**	2.8	2.0	ug/m3			05/09/24 18:47	15

Client Sample ID: POST-DILUTION EFF-05032024

Lab Sample ID: 200-73398-5

Date Collected: 05/03/24 10:40
Matrix: Air
Date Received: 05/04/24 09:45
Sample Container: Summa Canister 1L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.78	U	0.78	0.21	ppb v/v			05/09/24 20:34	10
1,1-Dichloroethene	0.35	U	0.35	0.26	ppb v/v			05/09/24 20:34	10
Acetone	50	U	50	16	ppb v/v			05/09/24 20:34	10
Methylene Chloride	5.0	U	5.0	1.8	ppb v/v			05/09/24 20:34	10
trans-1,2-Dichloroethene	2.0	U	2.0	0.23	ppb v/v			05/09/24 20:34	10
1,1-Dichloroethane	2.0	U	2.0	0.25	ppb v/v			05/09/24 20:34	10
cis-1,2-Dichloroethene	**10**		0.50	0.21	ppb v/v			05/09/24 20:34	10
1,2-Dichloroethene, Total	**10**		4.0	0.21	ppb v/v			05/09/24 20:34	10
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ppb v/v			05/09/24 20:34	10
Carbon tetrachloride	0.35	U	0.35	0.22	ppb v/v			05/09/24 20:34	10
Benzene	2.0	U	2.0	0.44	ppb v/v			05/09/24 20:34	10
Trichloroethene	**320**		0.35	0.25	ppb v/v			05/09/24 20:34	10
Toluene	**1.3**	**J**	2.0	0.62	ppb v/v			05/09/24 20:34	10
Tetrachloroethene	2.0	U	2.0	0.21	ppb v/v			05/09/24 20:34	10
Chlorobenzene	2.0	U	2.0	0.44	ppb v/v			05/09/24 20:34	10
m,p-Xylene	5.0	U	5.0	0.95	ppb v/v			05/09/24 20:34	10
Xylene, o-	2.0	U	2.0	0.63	ppb v/v			05/09/24 20:34	10
Bromoform	2.0	U	2.0	1.2	ppb v/v			05/09/24 20:34	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			05/09/24 20:34	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	2.0	U	2.0	0.54	ug/m3			05/09/24 20:34	10
1,1-Dichloroethene	1.4	U	1.4	1.0	ug/m3			05/09/24 20:34	10
Acetone	120	U	120	38	ug/m3			05/09/24 20:34	10
Methylene Chloride	17	U	17	6.3	ug/m3			05/09/24 20:34	10
trans-1,2-Dichloroethene	7.9	U	7.9	0.91	ug/m3			05/09/24 20:34	10
1,1-Dichloroethane	8.1	U	8.1	1.0	ug/m3			05/09/24 20:34	10
cis-1,2-Dichloroethene	**41**		2.0	0.83	ug/m3			05/09/24 20:34	10
1,2-Dichloroethene, Total	**40**		16	0.83	ug/m3			05/09/24 20:34	10
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			05/09/24 20:34	10
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			05/09/24 20:34	10
Benzene	6.4	U	6.4	1.4	ug/m3			05/09/24 20:34	10
Trichloroethene	**1700**		1.9	1.3	ug/m3			05/09/24 20:34	10
Toluene	**4.7**	**J**	7.5	2.3	ug/m3			05/09/24 20:34	10
Tetrachloroethene	14	U	14	1.4	ug/m3			05/09/24 20:34	10
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			05/09/24 20:34	10
m,p-Xylene	22	U	22	4.1	ug/m3			05/09/24 20:34	10
Xylene, o-	8.7	U	8.7	2.7	ug/m3			05/09/24 20:34	10
Bromoform	21	U	21	12	ug/m3			05/09/24 20:34	10
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			05/09/24 20:34	10

Client Sample ID: POST-BLOWER EFF-05032024

Lab Sample ID: 200-73398-6

Date Collected: 05/03/24 10:45
Matrix: Air
Date Received: 05/04/24 09:45
Sample Container: Summa Canister 1L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.78	U	0.78	0.21	ppb v/v			05/09/24 21:26	10
1,1-Dichloroethene	0.35	U	0.35	0.26	ppb v/v			05/09/24 21:26	10

Client Sample ID: POST-BLOWER EFF-05032024
Lab Sample ID: 200-73398-6
Date Collected: 05/03/24 10:45
Matrix: Air
Date Received: 05/04/24 09:45
Sample Container: Summa Canister 1L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	50	16	ppb v/v			05/09/24 21:26	10
Methylene Chloride	5.0	U	5.0	1.8	ppb v/v			05/09/24 21:26	10
trans-1,2-Dichloroethene	2.0	U	2.0	0.23	ppb v/v			05/09/24 21:26	10
1,1-Dichloroethane	2.0	U	2.0	0.25	ppb v/v			05/09/24 21:26	10
cis-1,2-Dichloroethene	**4.1**		0.50	0.21	ppb v/v			05/09/24 21:26	10
1,2-Dichloroethene, Total	**4.1**		4.0	0.21	ppb v/v			05/09/24 21:26	10
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ppb v/v			05/09/24 21:26	10
Carbon tetrachloride	0.35	U	0.35	0.22	ppb v/v			05/09/24 21:26	10
Benzene	2.0	U	2.0	0.44	ppb v/v			05/09/24 21:26	10
Trichloroethene	**140**		0.35	0.25	ppb v/v			05/09/24 21:26	10
Toluene	2.0	U	2.0	0.62	ppb v/v			05/09/24 21:26	10
Tetrachloroethene	2.0	U	2.0	0.21	ppb v/v			05/09/24 21:26	10
Chlorobenzene	2.0	U	2.0	0.44	ppb v/v			05/09/24 21:26	10
m,p-Xylene	5.0	U	5.0	0.95	ppb v/v			05/09/24 21:26	10
Xylene, o-	2.0	U	2.0	0.63	ppb v/v			05/09/24 21:26	10
Bromoform	2.0	U	2.0	1.2	ppb v/v			05/09/24 21:26	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			05/09/24 21:26	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	2.0	U	2.0	0.54	ug/m3			05/09/24 21:26	10
1,1-Dichloroethene	1.4	U	1.4	1.0	ug/m3			05/09/24 21:26	10
Acetone	120	U	120	38	ug/m3			05/09/24 21:26	10
Methylene Chloride	17	U	17	6.3	ug/m3			05/09/24 21:26	10
trans-1,2-Dichloroethene	7.9	U	7.9	0.91	ug/m3			05/09/24 21:26	10
1,1-Dichloroethane	8.1	U	8.1	1.0	ug/m3			05/09/24 21:26	10
cis-1,2-Dichloroethene	**16**		2.0	0.83	ug/m3			05/09/24 21:26	10
1,2-Dichloroethene, Total	**16**		16	0.83	ug/m3			05/09/24 21:26	10
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			05/09/24 21:26	10
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			05/09/24 21:26	10
Benzene	6.4	U	6.4	1.4	ug/m3			05/09/24 21:26	10
Trichloroethene	**740**		1.9	1.3	ug/m3			05/09/24 21:26	10
Toluene	7.5	U	7.5	2.3	ug/m3			05/09/24 21:26	10
Tetrachloroethene	14	U	14	1.4	ug/m3			05/09/24 21:26	10
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			05/09/24 21:26	10
m,p-Xylene	22	U	22	4.1	ug/m3			05/09/24 21:26	10
Xylene, o-	8.7	U	8.7	2.7	ug/m3			05/09/24 21:26	10
Bromoform	21	U	21	12	ug/m3			05/09/24 21:26	10
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			05/09/24 21:26	10

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-203886/5
Matrix: Air
Analysis Batch: 203886

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			05/08/24 11:07	1
1,1-Dichloroethene	0.035	U	0.035	0.026	ppb v/v			05/08/24 11:07	1
Acetone	5.0	U	5.0	1.6	ppb v/v			05/08/24 11:07	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			05/08/24 11:07	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			05/08/24 11:07	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			05/08/24 11:07	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			05/08/24 11:07	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.021	ppb v/v			05/08/24 11:07	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			05/08/24 11:07	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			05/08/24 11:07	1
Benzene	0.20	U	0.20	0.044	ppb v/v			05/08/24 11:07	1
Trichloroethene	0.035	U	0.035	0.025	ppb v/v			05/08/24 11:07	1
Toluene	0.20	U	0.20	0.062	ppb v/v			05/08/24 11:07	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			05/08/24 11:07	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			05/08/24 11:07	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			05/08/24 11:07	1
Xylene, o-	0.20	U	0.20	0.063	ppb v/v			05/08/24 11:07	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			05/08/24 11:07	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			05/08/24 11:07	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			05/08/24 11:07	1
1,1-Dichloroethene	0.14	U	0.14	0.10	ug/m3			05/08/24 11:07	1
Acetone	12	U	12	3.8	ug/m3			05/08/24 11:07	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			05/08/24 11:07	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			05/08/24 11:07	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			05/08/24 11:07	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			05/08/24 11:07	1
1,2-Dichloroethene, Total	1.6	U	1.6	0.083	ug/m3			05/08/24 11:07	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			05/08/24 11:07	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			05/08/24 11:07	1
Benzene	0.64	U	0.64	0.14	ug/m3			05/08/24 11:07	1
Trichloroethene	0.19	U	0.19	0.13	ug/m3			05/08/24 11:07	1
Toluene	0.75	U	0.75	0.23	ug/m3			05/08/24 11:07	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			05/08/24 11:07	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			05/08/24 11:07	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			05/08/24 11:07	1
Xylene, o-	0.87	U	0.87	0.27	ug/m3			05/08/24 11:07	1
Bromoform	2.1	U	2.1	1.2	ug/m3			05/08/24 11:07	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			05/08/24 11:07	1

Lab Sample ID: LCS 200-203886/3
Matrix: Air
Analysis Batch: 203886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Vinyl chloride			10.0	13.4		ppb v/v		134	61 - 135		
1,1-Dichloroethene			10.0	8.68		ppb v/v		87	68 - 120		
Acetone			10.0	11.3		ppb v/v		113	54 - 154		

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-203886/3
Matrix: Air
Analysis Batch: 203886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	10.0	11.6		ppb v/v		116	59 - 137
trans-1,2-Dichloroethene	10.0	10.2		ppb v/v		102	69 - 137
1,1-Dichloroethane	10.0	10.1		ppb v/v		101	66 - 130
cis-1,2-Dichloroethene	10.0	8.51		ppb v/v		85	72 - 121
1,1,1-Trichloroethane	10.0	9.45		ppb v/v		94	72 - 127
Carbon tetrachloride	10.0	9.55		ppb v/v		95	71 - 133
Benzene	10.0	9.66		ppb v/v		97	73 - 119
Trichloroethene	10.0	9.31		ppb v/v		93	73 - 122
Toluene	10.0	9.46		ppb v/v		95	75 - 122
Tetrachloroethene	10.0	8.94		ppb v/v		89	70 - 125
Chlorobenzene	10.0	9.74		ppb v/v		97	76 - 119
m,p-Xylene	20.0	19.9		ppb v/v		100	76 - 121
Xylene, o-	10.0	9.55		ppb v/v		96	73 - 123
Bromoform	10.0	9.48		ppb v/v		95	53 - 149
1,1,2,2-Tetrachloroethane	10.0	10.6		ppb v/v		106	74 - 126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	26	34.3		ug/m3		134	61 - 135
1,1-Dichloroethene	40	34.4		ug/m3		87	68 - 120
Acetone	24	26.9		ug/m3		113	54 - 154
Methylene Chloride	35	40.3		ug/m3		116	59 - 137
trans-1,2-Dichloroethene	40	40.5		ug/m3		102	69 - 137
1,1-Dichloroethane	40	40.7		ug/m3		101	66 - 130
cis-1,2-Dichloroethene	40	33.7		ug/m3		85	72 - 121
1,1,1-Trichloroethane	55	51.5		ug/m3		94	72 - 127
Carbon tetrachloride	63	60.1		ug/m3		95	71 - 133
Benzene	32	30.9		ug/m3		97	73 - 119
Trichloroethene	54	50.1		ug/m3		93	73 - 122
Toluene	38	35.6		ug/m3		95	75 - 122
Tetrachloroethene	68	60.6		ug/m3		89	70 - 125
Chlorobenzene	46	44.8		ug/m3		97	76 - 119
m,p-Xylene	87	86.6		ug/m3		100	76 - 121
Xylene, o-	43	41.5		ug/m3		96	73 - 123
Bromoform	100	98.0		ug/m3		95	53 - 149
1,1,2,2-Tetrachloroethane	69	73.1		ug/m3		106	74 - 126

Lab Sample ID: MB 200-203937/5
Matrix: Air
Analysis Batch: 203937

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			05/09/24 10:36	1
1,1-Dichloroethene	0.035	U	0.035	0.026	ppb v/v			05/09/24 10:36	1
Acetone	5.0	U	5.0	1.6	ppb v/v			05/09/24 10:36	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			05/09/24 10:36	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			05/09/24 10:36	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			05/09/24 10:36	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			05/09/24 10:36	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.021	ppb v/v			05/09/24 10:36	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-203937/5
Matrix: Air
Analysis Batch: 203937

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			05/09/24 10:36	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			05/09/24 10:36	1
Benzene	0.20	U	0.20	0.044	ppb v/v			05/09/24 10:36	1
Trichloroethene	0.035	U	0.035	0.025	ppb v/v			05/09/24 10:36	1
Toluene	0.20	U	0.20	0.062	ppb v/v			05/09/24 10:36	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			05/09/24 10:36	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			05/09/24 10:36	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			05/09/24 10:36	1
Xylene, o-	0.20	U	0.20	0.063	ppb v/v			05/09/24 10:36	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			05/09/24 10:36	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			05/09/24 10:36	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			05/09/24 10:36	1
1,1-Dichloroethene	0.14	U	0.14	0.10	ug/m3			05/09/24 10:36	1
Acetone	12	U	12	3.8	ug/m3			05/09/24 10:36	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			05/09/24 10:36	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			05/09/24 10:36	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			05/09/24 10:36	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			05/09/24 10:36	1
1,2-Dichloroethene, Total	1.6	U	1.6	0.083	ug/m3			05/09/24 10:36	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			05/09/24 10:36	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			05/09/24 10:36	1
Benzene	0.64	U	0.64	0.14	ug/m3			05/09/24 10:36	1
Trichloroethene	0.19	U	0.19	0.13	ug/m3			05/09/24 10:36	1
Toluene	0.75	U	0.75	0.23	ug/m3			05/09/24 10:36	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			05/09/24 10:36	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			05/09/24 10:36	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			05/09/24 10:36	1
Xylene, o-	0.87	U	0.87	0.27	ug/m3			05/09/24 10:36	1
Bromoform	2.1	U	2.1	1.2	ug/m3			05/09/24 10:36	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			05/09/24 10:36	1

Lab Sample ID: LCS 200-203937/3
Matrix: Air
Analysis Batch: 203937

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	10.0	10.6		ppb v/v		106	61 - 135
1,1-Dichloroethene	10.0	10.0		ppb v/v		100	68 - 120
Acetone	10.0	10.7		ppb v/v		107	54 - 154
Methylene Chloride	10.0	10.7		ppb v/v		107	59 - 137
trans-1,2-Dichloroethene	10.0	10.7		ppb v/v		107	69 - 137
1,1-Dichloroethane	10.0	10.5		ppb v/v		105	66 - 130
cis-1,2-Dichloroethene	10.0	10.2		ppb v/v		102	72 - 121
1,1,1-Trichloroethane	10.0	9.50		ppb v/v		95	72 - 127
Carbon tetrachloride	10.0	9.80		ppb v/v		98	71 - 133
Benzene	10.0	9.99		ppb v/v		100	73 - 119
Trichloroethene	10.0	9.61		ppb v/v		96	73 - 122

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-203937/3
Matrix: Air
Analysis Batch: 203937

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	10.0	10.2		ppb v/v		102	75 - 122
Tetrachloroethene	10.0	9.59		ppb v/v		96	70 - 125
Chlorobenzene	10.0	10.0		ppb v/v		100	76 - 119
m,p-Xylene	20.0	20.3		ppb v/v		102	76 - 121
Xylene, o-	10.0	10.1		ppb v/v		101	73 - 123
Bromoform	10.0	9.96		ppb v/v		100	53 - 149
1,1,2,2-Tetrachloroethane	10.0	10.3		ppb v/v		103	74 - 126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	26	27.1		ug/m3		106	61 - 135
1,1-Dichloroethene	40	39.7		ug/m3		100	68 - 120
Acetone	24	25.4		ug/m3		107	54 - 154
Methylene Chloride	35	37.1		ug/m3		107	59 - 137
trans-1,2-Dichloroethene	40	42.4		ug/m3		107	69 - 137
1,1-Dichloroethane	40	42.5		ug/m3		105	66 - 130
cis-1,2-Dichloroethene	40	40.3		ug/m3		102	72 - 121
1,1,1-Trichloroethane	55	51.8		ug/m3		95	72 - 127
Carbon tetrachloride	63	61.6		ug/m3		98	71 - 133
Benzene	32	31.9		ug/m3		100	73 - 119
Trichloroethene	54	51.7		ug/m3		96	73 - 122
Toluene	38	38.3		ug/m3		102	75 - 122
Tetrachloroethene	68	65.0		ug/m3		96	70 - 125
Chlorobenzene	46	46.2		ug/m3		100	76 - 119
m,p-Xylene	87	88.3		ug/m3		102	76 - 121
Xylene, o-	43	43.6		ug/m3		101	73 - 123
Bromoform	100	103		ug/m3		100	53 - 149
1,1,2,2-Tetrachloroethane	69	70.8		ug/m3		103	74 - 126

Lab Sample ID: MB 200-204037/5
Matrix: Air
Analysis Batch: 204037

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			05/13/24 10:38	1
1,1-Dichloroethene	0.035	U	0.035	0.026	ppb v/v			05/13/24 10:38	1
Acetone	5.0	U	5.0	1.6	ppb v/v			05/13/24 10:38	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			05/13/24 10:38	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			05/13/24 10:38	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			05/13/24 10:38	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			05/13/24 10:38	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.021	ppb v/v			05/13/24 10:38	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			05/13/24 10:38	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			05/13/24 10:38	1
Benzene	0.20	U	0.20	0.044	ppb v/v			05/13/24 10:38	1
Trichloroethene	0.035	U	0.035	0.025	ppb v/v			05/13/24 10:38	1
Toluene	0.20	U	0.20	0.062	ppb v/v			05/13/24 10:38	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			05/13/24 10:38	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			05/13/24 10:38	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			05/13/24 10:38	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-204037/5
Matrix: Air
Analysis Batch: 204037

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylene, o-	0.20	U	0.20	0.063	ppb v/v			05/13/24 10:38	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			05/13/24 10:38	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			05/13/24 10:38	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			05/13/24 10:38	1
1,1-Dichloroethene	0.14	U	0.14	0.10	ug/m3			05/13/24 10:38	1
Acetone	12	U	12	3.8	ug/m3			05/13/24 10:38	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			05/13/24 10:38	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			05/13/24 10:38	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			05/13/24 10:38	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			05/13/24 10:38	1
1,2-Dichloroethene, Total	1.6	U	1.6	0.083	ug/m3			05/13/24 10:38	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			05/13/24 10:38	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			05/13/24 10:38	1
Benzene	0.64	U	0.64	0.14	ug/m3			05/13/24 10:38	1
Trichloroethene	0.19	U	0.19	0.13	ug/m3			05/13/24 10:38	1
Toluene	0.75	U	0.75	0.23	ug/m3			05/13/24 10:38	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			05/13/24 10:38	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			05/13/24 10:38	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			05/13/24 10:38	1
Xylene, o-	0.87	U	0.87	0.27	ug/m3			05/13/24 10:38	1
Bromoform	2.1	U	2.1	1.2	ug/m3			05/13/24 10:38	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			05/13/24 10:38	1

Lab Sample ID: LCS 200-204037/4
Matrix: Air
Analysis Batch: 204037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	10.0	10.7		ppb v/v		107	61 - 135
1,1-Dichloroethene	10.0	9.74		ppb v/v		97	68 - 120
Acetone	10.0	10.6		ppb v/v		106	54 - 154
Methylene Chloride	10.0	10.4		ppb v/v		104	59 - 137
trans-1,2-Dichloroethene	10.0	10.6		ppb v/v		106	69 - 137
1,1-Dichloroethane	10.0	10.3		ppb v/v		103	66 - 130
cis-1,2-Dichloroethene	10.0	10.0		ppb v/v		100	72 - 121
1,1,1-Trichloroethane	10.0	9.43		ppb v/v		94	72 - 127
Carbon tetrachloride	10.0	9.82		ppb v/v		98	71 - 133
Benzene	10.0	9.96		ppb v/v		100	73 - 119
Trichloroethene	10.0	9.58		ppb v/v		96	73 - 122
Toluene	10.0	10.2		ppb v/v		102	75 - 122
Tetrachloroethene	10.0	9.50		ppb v/v		95	70 - 125
Chlorobenzene	10.0	10.1		ppb v/v		101	76 - 119
m,p-Xylene	20.0	20.5		ppb v/v		102	76 - 121
Xylene, o-	10.0	10.2		ppb v/v		102	73 - 123
Bromoform	10.0	11.7		ppb v/v		117	53 - 149
1,1,2,2-Tetrachloroethane	10.0	10.6		ppb v/v		106	74 - 126

Client: Arcadis U.S., Inc.
Project/Site: Crosman Vapor

Job ID: 200-73398-1
SDG: 200-73398-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	26	27.3		ug/m3		107	61 - 135
1,1-Dichloroethene	40	38.6		ug/m3		97	68 - 120
Acetone	24	25.1		ug/m3		106	54 - 154
Methylene Chloride	35	36.3		ug/m3		104	59 - 137
trans-1,2-Dichloroethene	40	42.2		ug/m3		106	69 - 137
1,1-Dichloroethane	40	41.7		ug/m3		103	66 - 130
cis-1,2-Dichloroethene	40	39.7		ug/m3		100	72 - 121
1,1,1-Trichloroethane	55	51.4		ug/m3		94	72 - 127
Carbon tetrachloride	63	61.7		ug/m3		98	71 - 133
Benzene	32	31.8		ug/m3		100	73 - 119
Trichloroethene	54	51.5		ug/m3		96	73 - 122
Toluene	38	38.3		ug/m3		102	75 - 122
Tetrachloroethene	68	64.5		ug/m3		95	70 - 125
Chlorobenzene	46	46.5		ug/m3		101	76 - 119
m,p-Xylene	87	88.9		ug/m3		102	76 - 121
Xylene, o-	43	44.1		ug/m3		102	73 - 123
Bromoform	100	121		ug/m3		117	53 - 149
1,1,2,2-Tetrachloroethane	69	72.9		ug/m3		106	74 - 126

QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Crosman Vapor

Job ID: 200-73398-1
SDG: 200-73398-1

Air - GC/MS VOA

Analysis Batch: 203886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-73398-1	SDS-1-05032024	Total/NA	Air	TO-15	
200-73398-1 - DL	SDS-1-05032024	Total/NA	Air	TO-15	
200-73398-2	SDS-2-05032024	Total/NA	Air	TO-15	
200-73398-2 - DL	SDS-2-05032024	Total/NA	Air	TO-15	
200-73398-3	COMBINED INFLUENT-05032024	Total/NA	Air	TO-15	
200-73398-3 - DL	COMBINED INFLUENT-05032024	Total/NA	Air	TO-15	
MB 200-203886/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-203886/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 203937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-73398-4 - DL	PRE-VPGAC4-05032024	Total/NA	Air	TO-15	
200-73398-5	POST-DILUTION EFF-05032024	Total/NA	Air	TO-15	
200-73398-6	POST-BLOWER EFF-05032024	Total/NA	Air	TO-15	
MB 200-203937/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-203937/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 204037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-73398-4	PRE-VPGAC4-05032024	Total/NA	Air	TO-15	
MB 200-204037/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-204037/4	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Crosman Vapor

Job ID: 200-73398-1
SDG: 200-73398-1

Client Sample ID: SDS-1-05032024
Lab Sample ID: 200-73398-1
Date Collected: 05/03/24 10:20
Matrix: Air
Date Received: 05/04/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		40	203886	K1P	EET BUR	05/08/24 22:36
Total/NA	Analysis	TO-15	DL	200	203886	K1P	EET BUR	05/08/24 23:32

Client Sample ID: SDS-2-05032024
Lab Sample ID: 200-73398-2
Date Collected: 05/03/24 10:25
Matrix: Air
Date Received: 05/04/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		20	203886	K1P	EET BUR	05/09/24 00:27
Total/NA	Analysis	TO-15	DL	100	203886	K1P	EET BUR	05/09/24 01:23

Client Sample ID: COMBINED INFLUENT-05032024
Lab Sample ID: 200-73398-3
Date Collected: 05/03/24 10:30
Matrix: Air
Date Received: 05/04/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		20	203886	K1P	EET BUR	05/09/24 04:11
Total/NA	Analysis	TO-15	DL	100	203886	K1P	EET BUR	05/09/24 05:07

Client Sample ID: PRE-VPGAC4-05032024
Lab Sample ID: 200-73398-4
Date Collected: 05/03/24 10:35
Matrix: Air
Date Received: 05/04/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15	DL	15	203937	K1P	EET BUR	05/09/24 18:47
Total/NA	Analysis	TO-15		10	204037	K1P	EET BUR	05/13/24 13:42

Client Sample ID: POST-DILUTION EFF-05032024
Lab Sample ID: 200-73398-5
Date Collected: 05/03/24 10:40
Matrix: Air
Date Received: 05/04/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		10	203937	K1P	EET BUR	05/09/24 20:34

Client Sample ID: POST-BLOWER EFF-05032024
Lab Sample ID: 200-73398-6
Date Collected: 05/03/24 10:45
Matrix: Air
Date Received: 05/04/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		10	203937	K1P	EET BUR	05/09/24 21:26

Laboratory References:
EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: Arcadis U.S., Inc.
Project/Site: Crosman Vapor

Job ID: 200-73398-1
SDG: 200-73398-1

Laboratory: Eurofins Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	1,2-Dichloroethene, Total

Method Summary

Client: Arcadis U.S., Inc.
Project/Site: Crosman Vapor

Job ID: 200-73398-1
SDG: 200-73398-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Arcadis U.S., Inc.
Project/Site: Crosman Vapor

Job ID: 200-73398-1
SDG: 200-73398-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-73398-1	SDS-1-05032024	Air	05/03/24 10:20	05/04/24 09:45	Air Canister (1-Liter) #6946
200-73398-2	SDS-2-05032024	Air	05/03/24 10:25	05/04/24 09:45	Air Canister (1-Liter) #3583
200-73398-3	COMBINED INFLUENT-05032024	Air	05/03/24 10:30	05/04/24 09:45	Air Canister (1-Liter) #4656
200-73398-4	PRE-VPGAC4-05032024	Air	05/03/24 10:35	05/04/24 09:45	Air Canister (1-Liter) #4648
200-73398-5	POST-DILUTION EFF-05032024	Air	05/03/24 10:40	05/04/24 09:45	Air Canister (1-Liter) #8516
200-73398-6	POST-BLOWER EFF-05032024	Air	05/03/24 10:45	05/04/24 09:45	Air Canister (1-Liter) #34000915

Eurofins TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp assumes no liability with respect to the collection and shipment of these samples

Client Contact Information	Project Manager: Aaron Richardson	**Samples Collected By:**	1 of 1 COC
Company: Arcadis	Phone: 585-662-4024	Bailey Kudla-Williams	
Address: 100 Chestnut Street Suite 1020	Email: Aaron.Richardson@arcadis.com		
City/State/Zip: Rochester, NY 14604			
Phone: 585-662-4057	Site Contact: Bailey Kudla-Williams		
FAX:	Tel: 805-501-8053		
Project Name: Crosman Corporation	**Analysis Turnaround Time**		
Site/Location: East Bloomfield, NY	Standard (Specify): 10-Day		
PO #: 30005202.12	Rush (Specify)_____		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15 (Standard)	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas or Sub-slab Vapor	Landfill Gas	Other (Please specify in notes section)
SDS-1-05032024	5/3/2024	-	1020	-28	-6	-	6946	X									X		
SDS-2-05032024	5/3/2024	-	1025	-29	-6.5	-	3583	X									X		
Combined Influent-05032024	5/3/2024	-	1030	-29	-6	-	4656	X									X		
Pre-VPGAC4-05032024	5/3/2024	-	1035	-29	-6	-	4648	X									X		
Post-Dilution Eff-05032024	5/3/2024	-	1040	-29	-6	-	8516	X									X		
Post-Blower Eff-05032024	5/3/2024	-	1045	-28.5	-2	-	34000915	X									X		

200-73398 Chain of Custody

Temperature (Fahrenheit)			Pressure (inches of Hg)		
	Interior	Ambient		Interior	Ambient
Start	65F	65F	Start	—	—
Stop	65F	65F	Stop	—	—

Special Instructions/QC Requirements & Comments: Site Specific Analyte List of 16 VOCs

Samples Shipped by: Bailey Kudla-Williams	Date/Time: 5/3/24 1200	Samples Received by:	5/4/2024 9:45
Samples Relinquished by:	Date/Time:	Received by:	
Relinquished by:	Date/Time:	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**


ORIGIN ID:ROCA (805) 501-8053
ARCADIS
100 CHESTNUT ST STE 1020
ROCHESTER, NY 14604
UNITED STATES US

SHIP DATE: 03MAY24
ACTWGT: 17.75 LB
CAD: 6754136/SSF02500
DIMS: 21x17x10 IN
BILL THIRD PARTY

TO EURO TEST AMERICA
30 COMMUNITY DR STE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
INV:
PO:
REF:
DEPT:

FedEx Express

TRK# 0201 2742 0645 3771
SATURDAY 12:00P
PRIORITY OVERNIGHT

XO BTVA
05403
VT-US BTV

Login Sample Receipt Checklist

Client: Arcadis U.S., Inc.

Job Number: 200-73398-1
SDG Number: 200-73398-1

Login Number: 73398
List Number: 1
Creator: Khudaier, Zahraa

List Source: Eurofins Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	2392920, 921
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Oven 3/4	10	32	3/31/2024	1223	24	24	SML	1 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	6946	-03	-03	0	30.5	G26	4/1/24	0955	←	23.0	G26	4/24/24	0951	←	21.0
2	6878		-03	0		G26					G26				
3	6912		-03	0		G26					G26				
4	4656		-03	0		G26					G26				
5	4648		-03	0		G26					G26				
6	8516		-03	0		G26					G26				
7	6930		-03	0		G26					G26				
8	6849		-03	0		G26					G26				
9	6851		-03	0		G26					G26				
10	34002403	←	-03	0		G26					G26				
11	34000803	-03	-03	0		G26	4/26/24	0951	←	21.0	G26				
12	6436	-03	-03	0		G26	4/1/24	0955	←	23.0	G26	←	←	←	←

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Review
34000803	4/3/24	59762	KPI			XXXXX			4/3/24	TPB

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Oven 1/2	20	300	4/1/2024	1027	23	23	SML	1 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	6788	-03	-03	0	30.5	G26	4/2/24	1009	S—	23.0	G26	4/26/24	1005	—	21.0
2	6462		-03	0		G26					G26				
3	6487		-03	0		G26					G26				
4	34000906		-03	0		G26					G26				
5	34000915		.14	.11		G26					G26				
6	5945		-03	0		G26					G26				
7	3688		-03	0		G26					G26				
8	3583		-03	0		G26					G26				
9	6383		-13	.10		G26					G26				
10	34000993		-03	0		G26					G26				
11	6386	↓	-03	0		G26					G26				
12	34001033	-03	-03	0		G26	4/26/24	1005	—	21.0	G26	↓	↓	↓	↓

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL 4/5/24

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Revie
34001033	~~4/3/24~~	~~59761~~ ~~59763~~	~~ABL~~			XXXXXX			~~4/3/24~~ 4/5/24	
↓	4/5/24	59801	ABL						4/5/24	JPB

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-72871-1

SDG No.:

Client Sample ID: 34000803 Lab Sample ID: 200-72871-11

Matrix: Air Lab File ID: 59762_005.D

Analysis Method: TO-15 Date Collected: 03/31/2024 00:00

Sample wt/vol: 200(mL) Date Analyzed: 04/02/2024 10:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 202555 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.50	U	0.50	0.50
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.40	U	0.40	0.40
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-72871-1

SDG No.:

Client Sample ID: 34000803 Lab Sample ID: 200-72871-11

Matrix: Air Lab File ID: 59762_005.D

Analysis Method: TO-15 Date Collected: 03/31/2024 00:00

Sample wt/vol: 200(mL) Date Analyzed: 04/02/2024 10:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 202555 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.70	U	0.70	0.70
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-72871-1

SDG No.:

Client Sample ID: 34000803 Lab Sample ID: 200-72871-11

Matrix: Air Lab File ID: 59762_005.D

Analysis Method: TO-15 Date Collected: 03/31/2024 00:00

Sample wt/vol: 200(mL) Date Analyzed: 04/02/2024 10:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 202555 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20240402-59762.b\59762_005.D
Lims ID: 200-72871-A-11
Client ID: 34000803
Sample Type: Client
Inject. Date: 02-Apr-2024 10:46:08 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0059762-005
Misc. Info.: 72871-11
Operator ID: wrd Instrument ID: CHAN.i

Method: \\chromfs\Burlington\ChromData\CHAN.i\20240402-59762.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 03-Apr-2024 11:28:49 Calib Date: 15-Feb-2024 23:57:24
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20240215-59096.b\59096_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1659

First Level Reviewer: YWL8 Date: 03-Apr-2024 11:32:04

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41		4.385				ND	7
	2 Dichlorodifluoromethane	85		4.487				ND	
	3 Chlorodifluoromethane	51		4.535				ND	
	4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.856				ND	
	5 Chloromethane	50		4.974				ND	7
	6 Vinyl chloride	62		5.273				ND	
	7 Butane	43		5.273				ND	7
	8 Butadiene	54		5.391				ND	
	9 Bromomethane	94		6.113				ND	
	10 Chloroethane	64		6.386				ND	
	13 Vinyl bromide	106		6.814				ND	
	14 Trichlorofluoromethane	101		6.975				ND	
	16 Ethanol	45		7.365				ND	
	20 1,1-Dichloroethene	96		8.039				ND	
	21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.077				ND	
	22 Acetone	43		8.119				ND	
	23 Isopropyl alcohol	45		8.419				ND	7
	24 Carbon disulfide	76		8.440				ND	
	26 3-Chloro-1-propene	41		8.735				ND	
	27 Methylene Chloride	49		8.965				ND	7
	28 2-Methyl-2-propanol	59		9.179				ND	
	30 trans-1,2-Dichloroethene	61		9.462				ND	
	31 Methyl tert-butyl ether	73		9.468				ND	
	32 Hexane	57		9.970				ND	
S	35 1,2-Dichloroethene, Total	61		10.200				ND	7
	33 1,1-Dichloroethane	63		10.233				ND	
	34 Vinyl acetate	43		10.243				ND	
	36 2-Butanone (MEK)	72		11.206				ND	
	37 cis-1,2-Dichloroethene	96		11.233				ND	
	38 Ethyl acetate	88		11.286				ND	
*	39 Chlorobromomethane	128	11.645	11.640	0.005	92	129246	10.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	40 Tetrahydrofuran	42		11.682				ND	
	41 Chloroform	83		11.821				ND	
	42 1,1,1-Trichloroethane	97		12.126				ND	
	43 Cyclohexane	84		12.260				ND	
	44 Carbon tetrachloride	117		12.399				ND	
	45 Benzene	78		12.752				ND	7
	46 1,2-Dichloroethane	62		12.827				ND	
	47 Isooctane	57		12.966				ND	
	48 n-Heptane	43		13.271				ND	7
*	49 1,4-Difluorobenzene	114	13.485	13.485	0.000	98	683998	10.0	
	51 Trichloroethene	95		13.919				ND	
	53 1,2-Dichloropropane	63		14.373				ND	
	54 Methyl methacrylate	69		14.459				ND	
	55 1,4-Dioxane	88		14.496				ND	
	57 Dibromomethane	174		14.534				ND	
	58 Dichlorobromomethane	83		14.844				ND	
	59 cis-1,3-Dichloropropene	75		15.647				ND	
	61 4-Methyl-2-pentanone (MIBK)	43		15.903				ND	
	62 Toluene	92		16.283				ND	
	66 trans-1,3-Dichloropropene	75		16.695				ND	
	67 1,1,2-Trichloroethane	83		17.075				ND	
	68 Tetrachloroethene	166		17.268				ND	
	69 2-Hexanone	43		17.481				ND	
	70 Chlorodibromomethane	129		17.808				ND	
	71 Ethylene Dibromide	107		18.049				ND	
*	73 Chlorobenzene-d5	117	18.958	18.958	0.000	95	591264	10.0	
	74 Chlorobenzene	112		19.017				ND	
	75 Ethylbenzene	91		19.209				ND	
	76 m-Xylene & p-Xylene	106		19.472				ND	
S	80 Xylenes, Total	106		20.100				ND	7
	78 o-Xylene	106		20.237				ND	
	79 Styrene	104		20.274				ND	
	81 Bromoform	173		20.611				ND	
	82 Isopropylbenzene	105		20.916				ND	
	83 1,1,2,2-Tetrachloroethane	83		21.430				ND	7
	85 N-Propylbenzene	91		21.622				ND	
	86 2-Chlorotoluene	91		21.767				ND	
	87 4-Ethyltoluene	105		21.815				ND	
	88 1,3,5-Trimethylbenzene	105		21.906				ND	
	91 tert-Butylbenzene	119		22.382				ND	
	92 1,2,4-Trimethylbenzene	105		22.467				ND	
	93 sec-Butylbenzene	105		22.703				ND	
	94 1,3-Dichlorobenzene	146		22.879				ND	
	95 4-Isopropyltoluene	119		22.917				ND	
	96 1,4-Dichlorobenzene	146		23.019				ND	
	97 Benzyl chloride	91		23.168				ND	
	98 n-Butylbenzene	91		23.473				ND	
	99 1,2-Dichlorobenzene	146		23.511				ND	
	102 1,2,4-Trichlorobenzene	180		25.977				ND	
	103 Hexachlorobutadiene	225		26.223				ND	
	104 Naphthalene	128		26.464				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15CISs_00012 Amount Added: 20.00 Units: mL Run Reagent

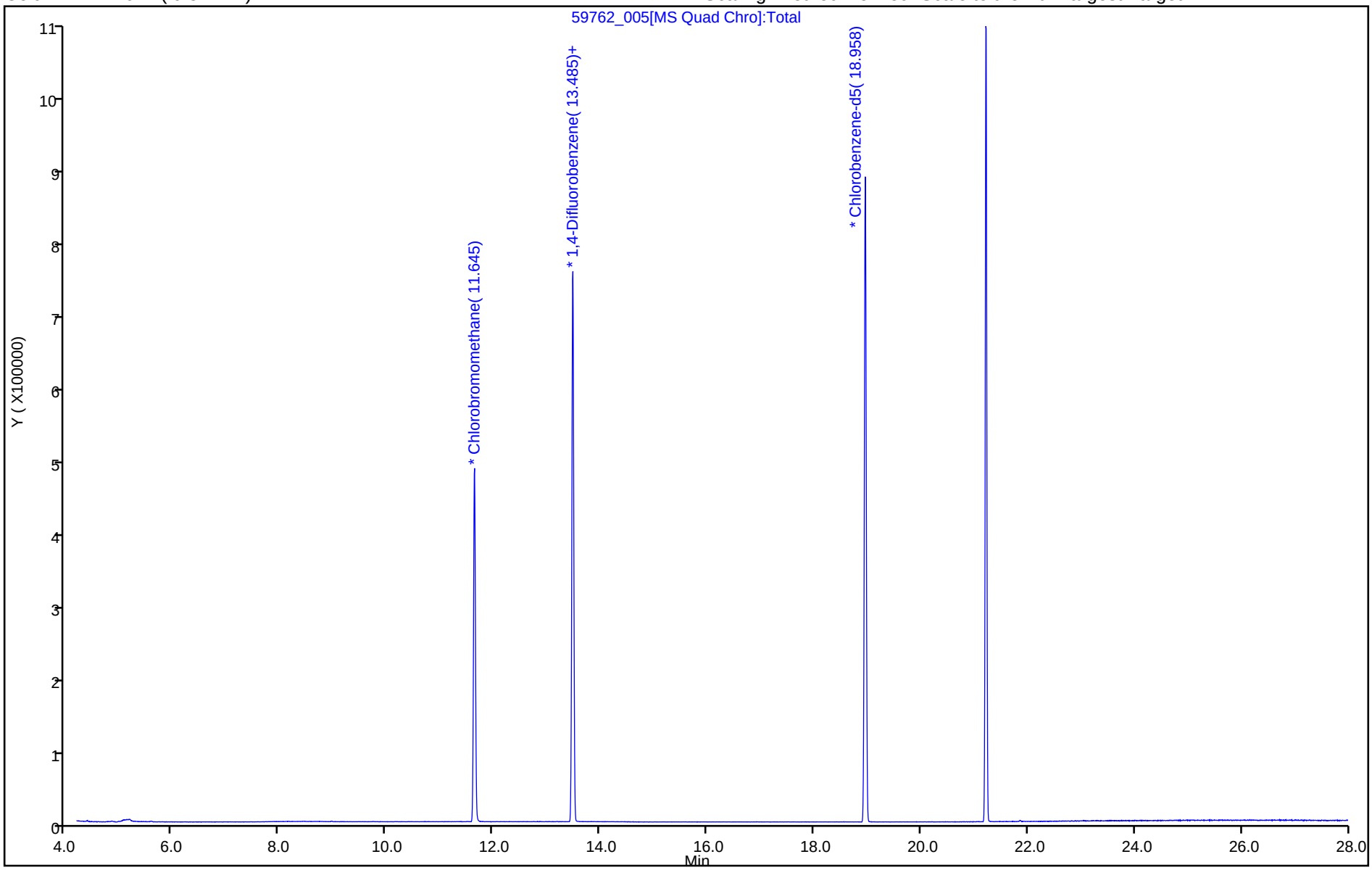
Report Date: 03-Apr-2024 11:32:04 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20240402-59762.b\59762_005.D

Injection Date:	02-Apr-2024 10:46:08	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	200-72871-A-11	Lab Sample ID:	200-72871-11	Worklist Smp#:	5
Client ID:	34000803				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-72878-1

SDG No.:

Client Sample ID: 34001033 Lab Sample ID: 200-72878-12

Matrix: Air Lab File ID: 59801_007.D

Analysis Method: TO-15 Date Collected: 04/01/2024 00:00

Sample wt/vol: 200(mL) Date Analyzed: 04/04/2024 12:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 202670 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.50	U	0.50	0.50
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.40	U	0.40	0.40
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-72878-1

SDG No.:

Client Sample ID: 34001033 Lab Sample ID: 200-72878-12

Matrix: Air Lab File ID: 59801_007.D

Analysis Method: TO-15 Date Collected: 04/01/2024 00:00

Sample wt/vol: 200(mL) Date Analyzed: 04/04/2024 12:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 202670 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.70	U	0.70	0.70
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-72878-1

SDG No.:

Client Sample ID: 34001033 Lab Sample ID: 200-72878-12

Matrix: Air Lab File ID: 59801_007.D

Analysis Method: TO-15 Date Collected: 04/01/2024 00:00

Sample wt/vol: 200(mL) Date Analyzed: 04/04/2024 12:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 202670 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20240404-59801.b\59801_007.D
Lims ID: 200-72878-A-12
Client ID: 34001033
Sample Type: Client
Inject. Date: 04-Apr-2024 12:58:29 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0059801-007
Misc. Info.: 72878-12
Operator ID: wrd Instrument ID: CHAN.i

Method: \\chromfs\Burlington\ChromData\CHAN.i\20240404-59801.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 05-Apr-2024 08:11:16 Calib Date: 15-Feb-2024 23:57:24
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20240215-59096.b\59096_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: F7XK Date: 05-Apr-2024 08:11:16

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41		4.385				ND	7
	2 Dichlorodifluoromethane	85		4.487				ND	
	3 Chlorodifluoromethane	51		4.535				ND	
	4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.856				ND	
	5 Chloromethane	50		4.974				ND	
	6 Vinyl chloride	62		5.273				ND	
	7 Butane	43		5.273				ND	7
	8 Butadiene	54		5.391				ND	
	9 Bromomethane	94		6.113				ND	
	10 Chloroethane	64		6.391				ND	
	13 Vinyl bromide	106		6.809				ND	
	14 Trichlorofluoromethane	101		6.969				ND	
	16 Ethanol	45		7.365				ND	
	20 1,1-Dichloroethene	96		8.039				ND	
	21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.077				ND	
	22 Acetone	43		8.119				ND	
	23 Isopropyl alcohol	45		8.414				ND	
	24 Carbon disulfide	76		8.440				ND	7
	26 3-Chloro-1-propene	41		8.735				ND	
	27 Methylene Chloride	49	8.964	8.964	-0.001	79	704	0.0232	7M
	28 2-Methyl-2-propanol	59		9.179				ND	
	30 trans-1,2-Dichloroethene	61		9.462				ND	
	31 Methyl tert-butyl ether	73		9.467				ND	
	32 Hexane	57		9.970				ND	
S	35 1,2-Dichloroethene, Total	61		10.200				ND	7
	33 1,1-Dichloroethane	63		10.232				ND	
	34 Vinyl acetate	43		10.238				ND	
	36 2-Butanone (MEK)	72		11.206				ND	
	37 cis-1,2-Dichloroethene	96		11.233				ND	
	38 Ethyl acetate	88		11.281				ND	
*	39 Chlorobromomethane	128	11.645	11.645	0.000	93	110234	10.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	40 Tetrahydrofuran	42		11.677				ND	
	41 Chloroform	83		11.821				ND	
	42 1,1,1-Trichloroethane	97		12.126				ND	
	43 Cyclohexane	84		12.260				ND	
	44 Carbon tetrachloride	117		12.399				ND	
	45 Benzene	78		12.752				ND	
	46 1,2-Dichloroethane	62		12.827				ND	
	47 Isooctane	57		12.961				ND	
	48 n-Heptane	43		13.271				ND	
*	49 1,4-Difluorobenzene	114	13.485	13.485	0.000	98	577373	10.0	
	51 Trichloroethene	95		13.913				ND	
	53 1,2-Dichloropropane	63		14.373				ND	
	54 Methyl methacrylate	69		14.459				ND	
	55 1,4-Dioxane	88		14.496				ND	
	57 Dibromomethane	174		14.534				ND	
	58 Dichlorobromomethane	83		14.844				ND	
	59 cis-1,3-Dichloropropene	75		15.641				ND	
	61 4-Methyl-2-pentanone (MIBK)	43		15.903				ND	
	62 Toluene	92		16.283				ND	
	66 trans-1,3-Dichloropropene	75		16.695				ND	
	67 1,1,2-Trichloroethane	83		17.069				ND	
	68 Tetrachloroethene	166		17.267				ND	
	69 2-Hexanone	43		17.481				ND	
	70 Chlorodibromomethane	129		17.808				ND	
	71 Ethylene Dibromide	107		18.048				ND	
*	73 Chlorobenzene-d5	117	18.958	18.958	0.000	95	495156	10.0	
	74 Chlorobenzene	112		19.017				ND	
	75 Ethylbenzene	91		19.204				ND	MU
	76 m-Xylene & p-Xylene	106		19.472				ND	
S	80 Xylenes, Total	106		20.100				ND	7
	78 o-Xylene	106		20.242				ND	
	79 Styrene	104		20.274				ND	
	81 Bromoform	173		20.611				ND	
	82 Isopropylbenzene	105		20.916				ND	
	83 1,1,2,2-Tetrachloroethane	83		21.430				ND	7
	85 N-Propylbenzene	91		21.622				ND	
	86 2-Chlorotoluene	91		21.767				ND	
	87 4-Ethyltoluene	105		21.815				ND	
	88 1,3,5-Trimethylbenzene	105		21.906				ND	
	91 tert-Butylbenzene	119		22.387				ND	
	92 1,2,4-Trimethylbenzene	105		22.473				ND	
	93 sec-Butylbenzene	105		22.708				ND	
	94 1,3-Dichlorobenzene	146		22.879				ND	
	95 4-Isopropyltoluene	119		22.917				ND	
	96 1,4-Dichlorobenzene	146		23.018				ND	
	97 Benzyl chloride	91		23.168				ND	
	98 n-Butylbenzene	91		23.479				ND	
	99 1,2-Dichlorobenzene	146		23.516				ND	
	102 1,2,4-Trichlorobenzene	180		25.982				ND	
	103 Hexachlorobutadiene	225		26.228				ND	
	104 Naphthalene	128		26.469				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15CISs_00012	Amount Added: 20.00	Units: mL	Run Reagent

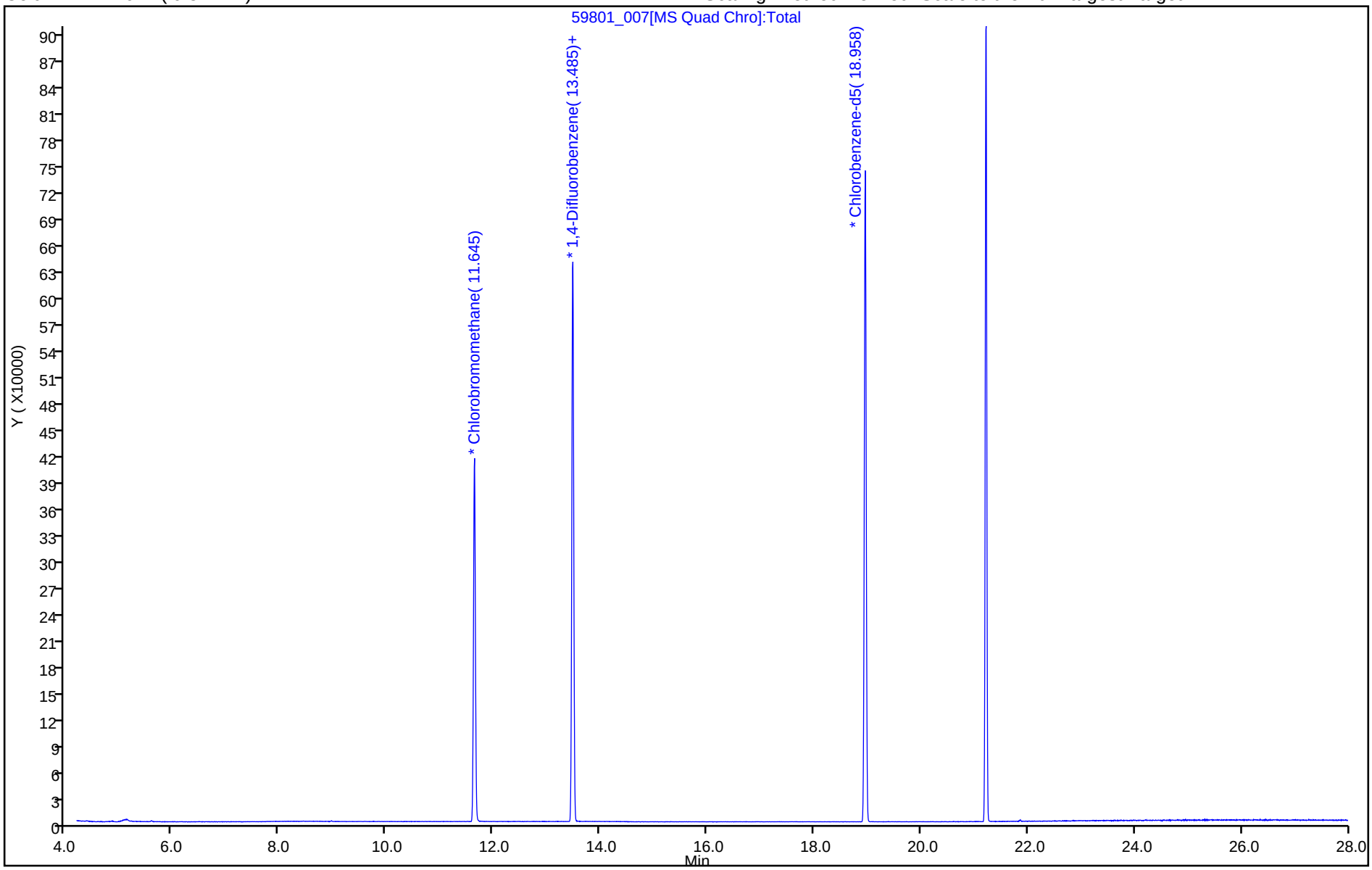
Report Date: 05-Apr-2024 08:11:16 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20240404-59801.b\59801_007.D

Injection Date:	04-Apr-2024 12:58:29	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	200-72878-A-12	Lab Sample ID:	200-72878-12	Worklist Smp#:	7
Client ID:	34001033				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

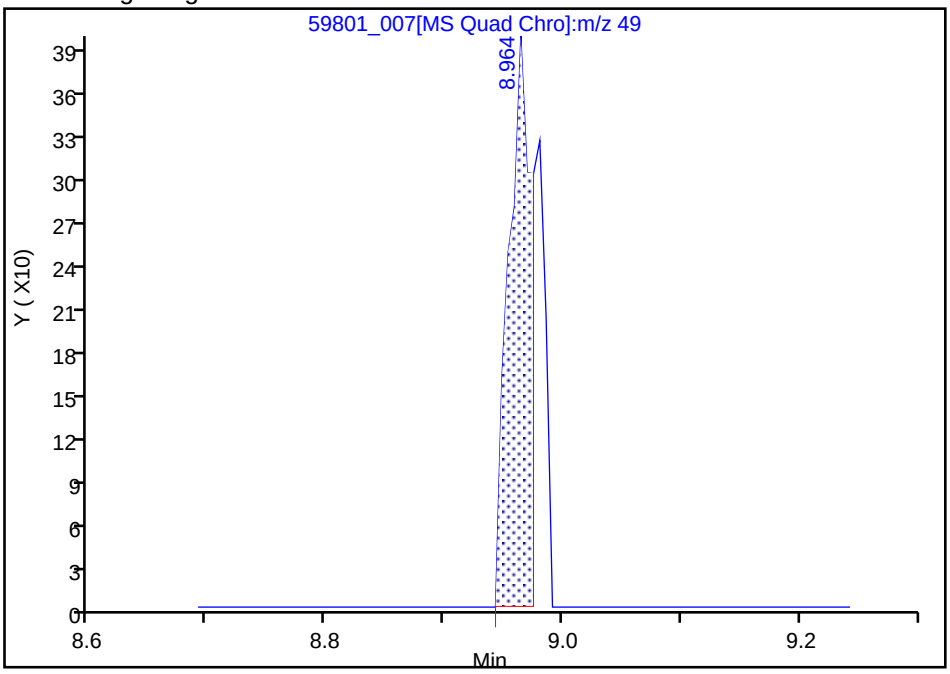
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20240404-59801.b\59801_007.D				
Injection Date:	04-Apr-2024 12:58:29	Instrument ID:	CHAN.i		
Lims ID:	200-72878-A-12	Lab Sample ID:	200-72878-12		
Client ID:	34001033				
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

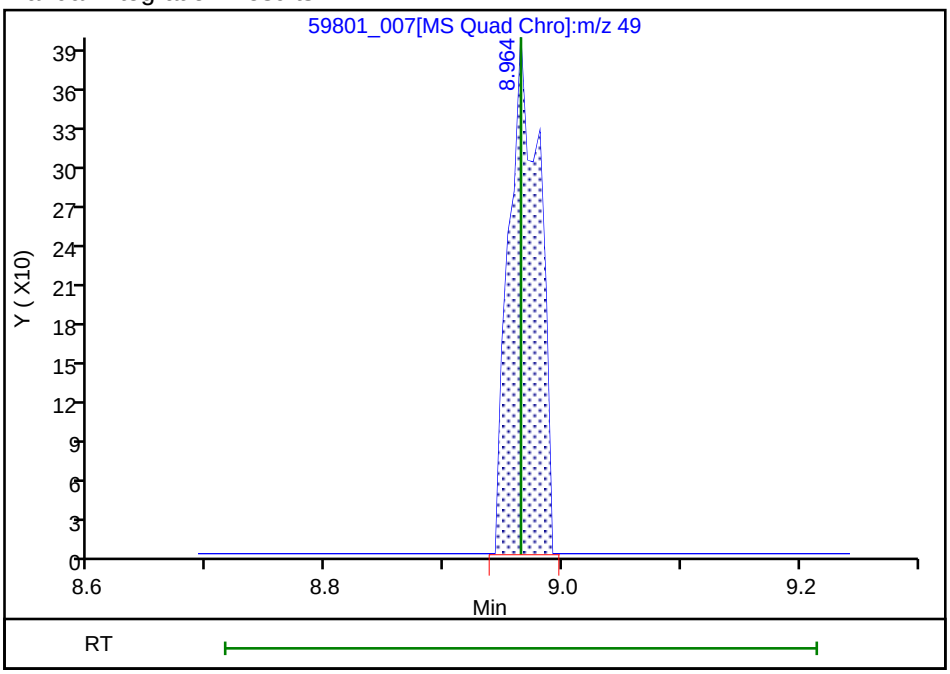
Processing Integration Results

RT: 8.96
Area: 537
Amount: 0.017720
Amount Units: ppb v/v



Manual Integration Results

RT: 8.96
Area: 704
Amount: 0.023230
Amount Units: ppb v/v



Reviewer: F7XK, 05-Apr-2024 08:09:55 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

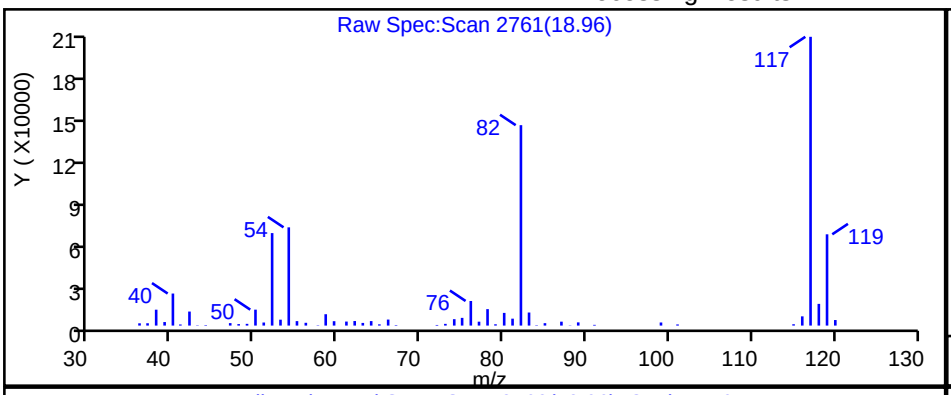
User Disabled Compound Report

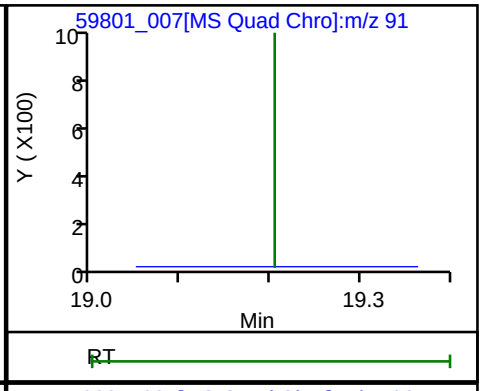
Eurofins Burlington

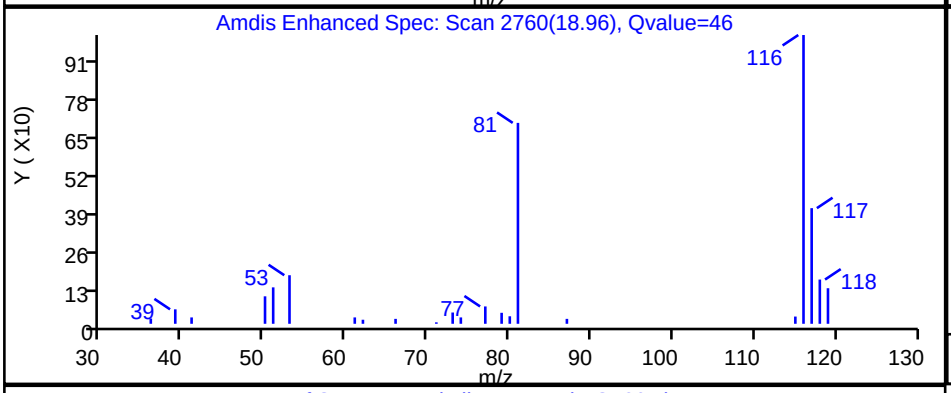
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20240404-59801.b\59801_007.D				
Injection Date:	04-Apr-2024 12:58:29	Instrument ID:	CHAN.i		
Lims ID:	200-72878-A-12	Lab Sample ID:	200-72878-12		
Client ID:	34001033				
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

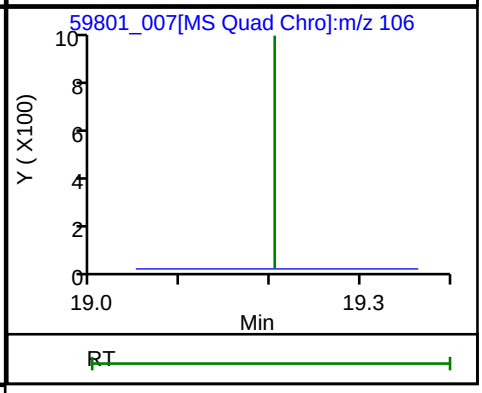
75 Ethylbenzene, CAS: 100-41-4

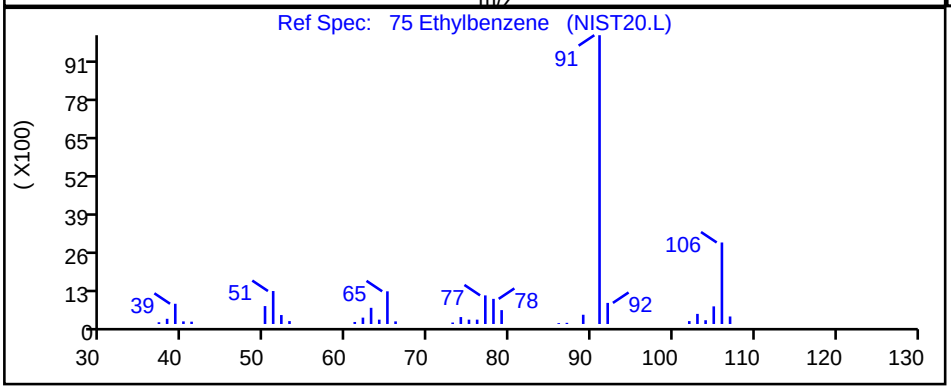
Processing Results











RT	Mass	Response	Amount
18.96	91.00	1085	0.011300
19.20	106.00	0	

Reviewer: F7XK, 05-Apr-2024 08:10:48 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Summa Canister Dilution Worksheet

Client: Arcadis U.S., Inc.
Project/Site: Crosman Vapor

Job No.: 200-73398-1
SDG No.: 200-73398-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
200-73398-1	1	-8.4	0.72	0.72	41.8	3.84	3.84		5.34	5.34	g20	05/08/24 12:19	VTP
200-73398-1	1	0	1.00	1.00	44.8	4.05	4.05		4.05	21.63	g20	05/08/24 12:19	VTP
200-73398-2	1	0	1.00	1.00	38.3	3.61	3.61		3.61	3.61	g20	05/08/24 12:32	VTP
200-73398-2	1	0	1.00	1.00	22.7	2.54	2.54		2.54	9.17	g20	05/08/24 12:32	VTP
200-73398-3	1	0	1.00	1.00	45.8	4.12	4.12		4.12	4.12	g20	05/08/24 12:47	VTP
200-73398-3	1	0	1.00	1.00	23.1	2.57	2.57		2.57	10.58	g20	05/08/24 12:55	VTP
200-73398-4	1	-8.3	0.72	0.72	49.7	4.38	4.38		6.06	6.06	g20	05/09/24 14:02	VTP

Formulae:

Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg
Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig)* Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

Appendix F

Groundwater Monitoring Logs and Laboratory Reports

Groundwater Parameter Log (Fall)
Crosman Site
East Bloomfield, NY

Sampling Personnel: BKW & KCF
Event: Fall 2023

		Passive Diffusion Bag Samplers			Sampling Parameters									
Date	**Sample ID**	**Deployment Date**	**Deployment Depth (ft bgs)**	**PDB Size (diameter x length)**	**Sample Time**	**DTW (ft BTIC)**	**Temp (°C)**	**Dissolved Oxygen (mg/L)**	**Specific Conductivity (mS/cm**	**pH (SU)**	**ORP (mV)**	**Turbidity (NTU)**	**# of Bottles**	**Notes**
10/13/2013	PW-1	NA	NA	NA	950	16.70	10.3	7.24	1.741	6.98	234.7	1.57	**3**	
10/13/2013	MW-4	4/7/2023	30.6	1.7" x 24"	900	18.60	9.8	3.03	0.015	4.77	205.4	0.48	**3**	
10/13/2013	MW-5	4/7/2023	45.6	1.7" x 24"	905	17.70	9.1	3.78	0.008	4.81	160.7	0.16	**3**	
10/13/2013	MW-13	4/7/2023	63.5	1.7" x 24"	1010	33.33	11.4	5.06	0.101	5.92	201.9	0.00	**3**	
10/13/2013	MW-14	4/7/2023	85.0	1.7" x 24"	920	57.98	9.1	7.09	0.007	4.67	254.4	0.09	**3**	
10/13/2013	MW-15	4/7/2023	26.0	1.7" x 24"	845	15.50	9.2	3.78	0.062	5.65	128.1	1.53	**3**	

Notes:
Samples submitted for VOC analysis via Method 8260 (3 - 40 mL vials/sample)
bgs - below ground surface
BTIC - below top of inner casing

October 24, 2023 Service Request No:R2309475

Mr. Aaron Richardson
ARCADIS
100 Chestnut St., Suite 100
Rochester, NY 14604

Laboratory Results for: Crosman

Dear Mr.Richardson,

Enclosed are the results of the sample(s) submitted to our laboratory October 13, 2023
For your reference, these analyses have been assigned our service request number **R2309475.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: ARCADIS U.S., Inc. (formerly ARCADIS of New York) **Service Request:** R2309475
Project: Crosman **Date Received:** 10/13/2023
Sample Matrix: Water

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Seven water samples were received for analysis at ALS Environmental on 10/13/2023. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Sampling was performed by ALS personnel in accordance with ALS Field Sampling SOPs or by client specifications.

Volatiles by GC/MS:

Method 8260C, 10/20/2023: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Approved by _____ Date 10/24/2023

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-5			Lab ID: R2309475-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	20			5.0	ug/L	8260C

CLIENT ID: MW-14			Lab ID: R2309475-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene	9.9			5.0	ug/L	8260C

CLIENT ID: PW-1			Lab ID: R2309475-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene	55			5.0	ug/L	8260C

CLIENT ID: MW-13			Lab ID: R2309475-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene	130			5.0	ug/L	8260C

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: ARCADIS U.S., Inc. (formerly ARCADIS of New York) **Service Request:**R2309475
Project: Crosman/3005202

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2309475-001	MW-15	10/13/2023	0845
R2309475-002	MW-4	10/13/2023	0900
R2309475-003	MW-5	10/13/2023	0905
R2309475-004	MW-14	10/13/2023	0920
R2309475-005	PW-1	10/13/2023	0950
R2309475-006	MW-13	10/13/2023	1010
R2309475-007	Trip Blank	10/13/2023	

Chain of Custody / Analytical Request Form

76163

SR#:

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: Arcadis	Project Name: Crosman
Contact: Aaron Richardson	Project Number: 3005202
Email: Aaron.Richardson@arcadis.com	ALS Quote #:
Phone: 585 - 202 - 4393	Sampler's Signature: Kaitlyn Fl
Address: 100 chestnut st	Email CC:
Suite 1020	Email CC:
Rochester, NY 14604	State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other:

Preservative: 1

0. None
1. HCl
2. HNO3
3. H2SO4
4. NAOH
5. Zn Acet.
6. MeOH
7. NaHSO4
8. Other

Lab ID (ALS)	Sample Collection Information: Sample ID:	Date	Time	Matrix (GW WW SW DW S L NA)	Number of Containers	MS/MSD?	GC/MS VOA - 8260•624•524•TCLP	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	Notes:
	MW-15	10/13/23	0845	GW	3	N	X							
	MW-4	10/13/23	0900	GW	3	N	X							
	MW-5	10/13/23	0905	GW	3	N	X							
	MW-14	10/13/23	0920	GW	3	N	X							
	PW-1	10/13/23	0950	GW	3	N	X							
	MW-13	10/13/23	1010	GW	3	N	X							
	Trip Blank	—	—	DI	3	N	X							

Special Instructions / Comments:

Turnaround Requirements

____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
X Standard (10 Business Days)
Date Required:

Report Requirements

____Tier II/Cat A -Results/QC
X Tier IV/Cat B - Data Validation Report w/. Data
EDD: ____Yes ____No
EDD Type:

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (□ Same as Report To)

PO #:
Company:
Contact:
Email:
Phone:
Address:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Kaitlyn Fl					
Printed Name	Kaitlyn Fleming	Randy Dow				
Company	Arcadis	ALS				
Date/Time	10/13/2023 1340	10/13/23 1340				

R2309475 5
ARCADIS
Crosman

Distribution: White - Lab Copy; Yellow - Return to Originator

R2309475 5
ARCADIS Crosman

Cooler Receipt and Preservation Check

Project/Client Arcadis Folder Number

Cooler received on 6/13/23 by: RDH

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y	N
2	**Custody papers** properly completed (ink, signed)?	Y	N
3	Did all bottles arrive in good **condition** (unbroken)?	Y	N
4	Circle: **Wet Ice** **Dry Ice** **Gel packs** present?	Y	N

5a	**Perchlorate** samples have required headspace?	Y	N	NA
5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y	N	NA
6	Where did the bottles originate?	ALS/ROC	CLIENT	
7	Soil VOA received as:	Bulk	Encore	5035set NA

8. Temperature Readings Date: 10/13/23 Time: 1350 ID: IR#12 IR#14 From: Temp Blank Sample Bottle

Observed Temp (°C)	4.8						
Within 0-6°C?	Y N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: Standing Approval Client aware at drop-off Client notified by:

All samples held in storage location: Rack by RDH on 10/13/23 at 1356
5035 samples placed in storage location: by on at within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 10/16/23 Time: 0920 by: HE

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? YES NO
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO N/A
13. Were dissolved metals filtered in the field? YES NO N/A
14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-						
		HCl	**	**	23040119	03/26				

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 082623-3AXH

Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: HE

PC Secondary Review: MS 10/23/23 *significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Miscellaneous Forms

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REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory. To verify NH accredited analytes, go to https://www4.des.state.nh.us/CertifiedLabs/Certified-Method.aspx.

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: ARCADIS U.S., Inc. (formerly ARCADIS of New York) **Service Request:** R2309475
Project: Crosman/3005202

Sample Name: MW-15 **Date Collected:** 10/13/23
Lab Code: R2309475-001 **Date Received:** 10/13/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-4 **Date Collected:** 10/13/23
Lab Code: R2309475-002 **Date Received:** 10/13/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-5 **Date Collected:** 10/13/23
Lab Code: R2309475-003 **Date Received:** 10/13/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-14 **Date Collected:** 10/13/23
Lab Code: R2309475-004 **Date Received:** 10/13/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: PW-1 **Date Collected:** 10/13/23
Lab Code: R2309475-005 **Date Received:** 10/13/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202		

Sample Name:	MW-13	**Date Collected:**	10/13/23
Lab Code:	R2309475-006	**Date Received:**	10/13/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	Trip Blank	**Date Collected:**	10/13/23
Lab Code:	R2309475-007	**Date Received:**	10/13/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	10/13/23 08:45
Sample Matrix:	Water	**Date Received:**	10/13/23 13:40
Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	R2309475-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	10/20/23 15:22	
Benzene	ND U	5.0	1	10/20/23 15:22	
Bromodichloromethane	ND U	5.0	1	10/20/23 15:22	
Bromoform	ND U	5.0	1	10/20/23 15:22	
Bromomethane	ND U	5.0	1	10/20/23 15:22	
2-Butanone (MEK)	ND U	10	1	10/20/23 15:22	
Carbon Disulfide	ND U	10	1	10/20/23 15:22	
Carbon Tetrachloride	ND U	5.0	1	10/20/23 15:22	
Chlorobenzene	ND U	5.0	1	10/20/23 15:22	
Chloroethane	ND U	5.0	1	10/20/23 15:22	
Chloroform	ND U	5.0	1	10/20/23 15:22	
Chloromethane	ND U	5.0	1	10/20/23 15:22	
Dibromochloromethane	ND U	5.0	1	10/20/23 15:22	
1,1-Dichloroethane	ND U	5.0	1	10/20/23 15:22	
1,2-Dichloroethane	ND U	5.0	1	10/20/23 15:22	
1,1-Dichloroethene	ND U	5.0	1	10/20/23 15:22	
cis-1,2-Dichloroethene	ND U	5.0	1	10/20/23 15:22	
trans-1,2-Dichloroethene	ND U	5.0	1	10/20/23 15:22	
1,2-Dichloropropane	ND U	5.0	1	10/20/23 15:22	
cis-1,3-Dichloropropene	ND U	5.0	1	10/20/23 15:22	
trans-1,3-Dichloropropene	ND U	5.0	1	10/20/23 15:22	
Ethylbenzene	ND U	5.0	1	10/20/23 15:22	
2-Hexanone	ND U	10	1	10/20/23 15:22	
Methylene Chloride	ND U	5.0	1	10/20/23 15:22	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	10/20/23 15:22	
Styrene	ND U	5.0	1	10/20/23 15:22	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	10/20/23 15:22	
Tetrachloroethene	ND U	5.0	1	10/20/23 15:22	
Toluene	ND U	5.0	1	10/20/23 15:22	
1,1,1-Trichloroethane	ND U	5.0	1	10/20/23 15:22	
1,1,2-Trichloroethane	ND U	5.0	1	10/20/23 15:22	
Trichloroethene	ND U	5.0	1	10/20/23 15:22	
Vinyl Chloride	ND U	5.0	1	10/20/23 15:22	
o-Xylene	ND U	5.0	1	10/20/23 15:22	
m,p-Xylenes	ND U	5.0	1	10/20/23 15:22	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	10/13/23 08:45
Sample Matrix:	Water	**Date Received:**	10/13/23 13:40
Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	R2309475-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	10/20/23 15:22	
Toluene-d8	98	87 - 121	10/20/23 15:22	
Dibromofluoromethane	98	80 - 116	10/20/23 15:22	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	10/13/23 09:00
Sample Matrix:	Water	**Date Received:**	10/13/23 13:40
Sample Name:	MW-4	**Units:**	ug/L
Lab Code:	R2309475-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	10/20/23 14:13	
Benzene	ND U	5.0	1	10/20/23 14:13	
Bromodichloromethane	ND U	5.0	1	10/20/23 14:13	
Bromoform	ND U	5.0	1	10/20/23 14:13	
Bromomethane	ND U	5.0	1	10/20/23 14:13	
2-Butanone (MEK)	ND U	10	1	10/20/23 14:13	
Carbon Disulfide	ND U	10	1	10/20/23 14:13	
Carbon Tetrachloride	ND U	5.0	1	10/20/23 14:13	
Chlorobenzene	ND U	5.0	1	10/20/23 14:13	
Chloroethane	ND U	5.0	1	10/20/23 14:13	
Chloroform	ND U	5.0	1	10/20/23 14:13	
Chloromethane	ND U	5.0	1	10/20/23 14:13	
Dibromochloromethane	ND U	5.0	1	10/20/23 14:13	
1,1-Dichloroethane	ND U	5.0	1	10/20/23 14:13	
1,2-Dichloroethane	ND U	5.0	1	10/20/23 14:13	
1,1-Dichloroethene	ND U	5.0	1	10/20/23 14:13	
cis-1,2-Dichloroethene	ND U	5.0	1	10/20/23 14:13	
trans-1,2-Dichloroethene	ND U	5.0	1	10/20/23 14:13	
1,2-Dichloropropane	ND U	5.0	1	10/20/23 14:13	
cis-1,3-Dichloropropene	ND U	5.0	1	10/20/23 14:13	
trans-1,3-Dichloropropene	ND U	5.0	1	10/20/23 14:13	
Ethylbenzene	ND U	5.0	1	10/20/23 14:13	
2-Hexanone	ND U	10	1	10/20/23 14:13	
Methylene Chloride	ND U	5.0	1	10/20/23 14:13	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	10/20/23 14:13	
Styrene	ND U	5.0	1	10/20/23 14:13	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	10/20/23 14:13	
Tetrachloroethene	ND U	5.0	1	10/20/23 14:13	
Toluene	ND U	5.0	1	10/20/23 14:13	
1,1,1-Trichloroethane	ND U	5.0	1	10/20/23 14:13	
1,1,2-Trichloroethane	ND U	5.0	1	10/20/23 14:13	
Trichloroethene	ND U	5.0	1	10/20/23 14:13	
Vinyl Chloride	ND U	5.0	1	10/20/23 14:13	
o-Xylene	ND U	5.0	1	10/20/23 14:13	
m,p-Xylenes	ND U	5.0	1	10/20/23 14:13	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	10/13/23 09:00
Sample Matrix:	Water	**Date Received:**	10/13/23 13:40
Sample Name:	MW-4	**Units:**	ug/L
Lab Code:	R2309475-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	10/20/23 14:13	
Toluene-d8	100	87 - 121	10/20/23 14:13	
Dibromofluoromethane	98	80 - 116	10/20/23 14:13	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	10/13/23 09:05
Sample Matrix:	Water	**Date Received:**	10/13/23 13:40
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2309475-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	10/20/23 14:36	
Benzene	ND U	5.0	1	10/20/23 14:36	
Bromodichloromethane	ND U	5.0	1	10/20/23 14:36	
Bromoform	ND U	5.0	1	10/20/23 14:36	
Bromomethane	ND U	5.0	1	10/20/23 14:36	
2-Butanone (MEK)	ND U	10	1	10/20/23 14:36	
Carbon Disulfide	ND U	10	1	10/20/23 14:36	
Carbon Tetrachloride	ND U	5.0	1	10/20/23 14:36	
Chlorobenzene	ND U	5.0	1	10/20/23 14:36	
Chloroethane	ND U	5.0	1	10/20/23 14:36	
Chloroform	ND U	5.0	1	10/20/23 14:36	
Chloromethane	ND U	5.0	1	10/20/23 14:36	
Dibromochloromethane	ND U	5.0	1	10/20/23 14:36	
1,1-Dichloroethane	ND U	5.0	1	10/20/23 14:36	
1,2-Dichloroethane	ND U	5.0	1	10/20/23 14:36	
1,1-Dichloroethene	ND U	5.0	1	10/20/23 14:36	
cis-1,2-Dichloroethene	**20**	5.0	1	10/20/23 14:36	
trans-1,2-Dichloroethene	ND U	5.0	1	10/20/23 14:36	
1,2-Dichloropropane	ND U	5.0	1	10/20/23 14:36	
cis-1,3-Dichloropropene	ND U	5.0	1	10/20/23 14:36	
trans-1,3-Dichloropropene	ND U	5.0	1	10/20/23 14:36	
Ethylbenzene	ND U	5.0	1	10/20/23 14:36	
2-Hexanone	ND U	10	1	10/20/23 14:36	
Methylene Chloride	ND U	5.0	1	10/20/23 14:36	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	10/20/23 14:36	
Styrene	ND U	5.0	1	10/20/23 14:36	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	10/20/23 14:36	
Tetrachloroethene	ND U	5.0	1	10/20/23 14:36	
Toluene	ND U	5.0	1	10/20/23 14:36	
1,1,1-Trichloroethane	ND U	5.0	1	10/20/23 14:36	
1,1,2-Trichloroethane	ND U	5.0	1	10/20/23 14:36	
Trichloroethene	ND U	5.0	1	10/20/23 14:36	
Vinyl Chloride	ND U	5.0	1	10/20/23 14:36	
o-Xylene	ND U	5.0	1	10/20/23 14:36	
m,p-Xylenes	ND U	5.0	1	10/20/23 14:36	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	10/13/23 09:05
Sample Matrix:	Water	**Date Received:**	10/13/23 13:40
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2309475-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	106	85 - 122	10/20/23 14:36	
Toluene-d8	101	87 - 121	10/20/23 14:36	
Dibromofluoromethane	99	80 - 116	10/20/23 14:36	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	10/13/23 09:20
Sample Matrix:	Water	**Date Received:**	10/13/23 13:40
Sample Name:	MW-14	**Units:**	ug/L
Lab Code:	R2309475-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	10/20/23 14:59	
Benzene	ND U	5.0	1	10/20/23 14:59	
Bromodichloromethane	ND U	5.0	1	10/20/23 14:59	
Bromoform	ND U	5.0	1	10/20/23 14:59	
Bromomethane	ND U	5.0	1	10/20/23 14:59	
2-Butanone (MEK)	ND U	10	1	10/20/23 14:59	
Carbon Disulfide	ND U	10	1	10/20/23 14:59	
Carbon Tetrachloride	ND U	5.0	1	10/20/23 14:59	
Chlorobenzene	ND U	5.0	1	10/20/23 14:59	
Chloroethane	ND U	5.0	1	10/20/23 14:59	
Chloroform	ND U	5.0	1	10/20/23 14:59	
Chloromethane	ND U	5.0	1	10/20/23 14:59	
Dibromochloromethane	ND U	5.0	1	10/20/23 14:59	
1,1-Dichloroethane	ND U	5.0	1	10/20/23 14:59	
1,2-Dichloroethane	ND U	5.0	1	10/20/23 14:59	
1,1-Dichloroethene	ND U	5.0	1	10/20/23 14:59	
cis-1,2-Dichloroethene	ND U	5.0	1	10/20/23 14:59	
trans-1,2-Dichloroethene	ND U	5.0	1	10/20/23 14:59	
1,2-Dichloropropane	ND U	5.0	1	10/20/23 14:59	
cis-1,3-Dichloropropene	ND U	5.0	1	10/20/23 14:59	
trans-1,3-Dichloropropene	ND U	5.0	1	10/20/23 14:59	
Ethylbenzene	ND U	5.0	1	10/20/23 14:59	
2-Hexanone	ND U	10	1	10/20/23 14:59	
Methylene Chloride	ND U	5.0	1	10/20/23 14:59	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	10/20/23 14:59	
Styrene	ND U	5.0	1	10/20/23 14:59	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	10/20/23 14:59	
Tetrachloroethene	ND U	5.0	1	10/20/23 14:59	
Toluene	ND U	5.0	1	10/20/23 14:59	
1,1,1-Trichloroethane	ND U	5.0	1	10/20/23 14:59	
1,1,2-Trichloroethane	ND U	5.0	1	10/20/23 14:59	
Trichloroethene	**9.9**	5.0	1	10/20/23 14:59	
Vinyl Chloride	ND U	5.0	1	10/20/23 14:59	
o-Xylene	ND U	5.0	1	10/20/23 14:59	
m,p-Xylenes	ND U	5.0	1	10/20/23 14:59	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	10/13/23 09:20
Sample Matrix:	Water	**Date Received:**	10/13/23 13:40
Sample Name:	MW-14	**Units:**	ug/L
Lab Code:	R2309475-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	10/20/23 14:59	
Toluene-d8	102	87 - 121	10/20/23 14:59	
Dibromofluoromethane	103	80 - 116	10/20/23 14:59	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	10/13/23 09:50
Sample Matrix:	Water	**Date Received:**	10/13/23 13:40
Sample Name:	PW-1	**Units:**	ug/L
Lab Code:	R2309475-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	10/20/23 13:28	
Benzene	ND U	5.0	1	10/20/23 13:28	
Bromodichloromethane	ND U	5.0	1	10/20/23 13:28	
Bromoform	ND U	5.0	1	10/20/23 13:28	
Bromomethane	ND U	5.0	1	10/20/23 13:28	
2-Butanone (MEK)	ND U	10	1	10/20/23 13:28	
Carbon Disulfide	ND U	10	1	10/20/23 13:28	
Carbon Tetrachloride	ND U	5.0	1	10/20/23 13:28	
Chlorobenzene	ND U	5.0	1	10/20/23 13:28	
Chloroethane	ND U	5.0	1	10/20/23 13:28	
Chloroform	ND U	5.0	1	10/20/23 13:28	
Chloromethane	ND U	5.0	1	10/20/23 13:28	
Dibromochloromethane	ND U	5.0	1	10/20/23 13:28	
1,1-Dichloroethane	ND U	5.0	1	10/20/23 13:28	
1,2-Dichloroethane	ND U	5.0	1	10/20/23 13:28	
1,1-Dichloroethene	ND U	5.0	1	10/20/23 13:28	
cis-1,2-Dichloroethene	ND U	5.0	1	10/20/23 13:28	
trans-1,2-Dichloroethene	ND U	5.0	1	10/20/23 13:28	
1,2-Dichloropropane	ND U	5.0	1	10/20/23 13:28	
cis-1,3-Dichloropropene	ND U	5.0	1	10/20/23 13:28	
trans-1,3-Dichloropropene	ND U	5.0	1	10/20/23 13:28	
Ethylbenzene	ND U	5.0	1	10/20/23 13:28	
2-Hexanone	ND U	10	1	10/20/23 13:28	
Methylene Chloride	ND U	5.0	1	10/20/23 13:28	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	10/20/23 13:28	
Styrene	ND U	5.0	1	10/20/23 13:28	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	10/20/23 13:28	
Tetrachloroethene	ND U	5.0	1	10/20/23 13:28	
Toluene	ND U	5.0	1	10/20/23 13:28	
1,1,1-Trichloroethane	ND U	5.0	1	10/20/23 13:28	
1,1,2-Trichloroethane	ND U	5.0	1	10/20/23 13:28	
Trichloroethene	**55**	5.0	1	10/20/23 13:28	
Vinyl Chloride	ND U	5.0	1	10/20/23 13:28	
o-Xylene	ND U	5.0	1	10/20/23 13:28	
m,p-Xylenes	ND U	5.0	1	10/20/23 13:28	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	10/13/23 09:50
Sample Matrix:	Water	**Date Received:**	10/13/23 13:40
Sample Name:	PW-1	**Units:**	ug/L
Lab Code:	R2309475-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	10/20/23 13:28	
Toluene-d8	98	87 - 121	10/20/23 13:28	
Dibromofluoromethane	97	80 - 116	10/20/23 13:28	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	10/13/23 10:10
Sample Matrix:	Water	**Date Received:**	10/13/23 13:40
Sample Name:	MW-13	**Units:**	ug/L
Lab Code:	R2309475-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	10/20/23 13:50	
Benzene	ND U	5.0	1	10/20/23 13:50	
Bromodichloromethane	ND U	5.0	1	10/20/23 13:50	
Bromoform	ND U	5.0	1	10/20/23 13:50	
Bromomethane	ND U	5.0	1	10/20/23 13:50	
2-Butanone (MEK)	ND U	10	1	10/20/23 13:50	
Carbon Disulfide	ND U	10	1	10/20/23 13:50	
Carbon Tetrachloride	ND U	5.0	1	10/20/23 13:50	
Chlorobenzene	ND U	5.0	1	10/20/23 13:50	
Chloroethane	ND U	5.0	1	10/20/23 13:50	
Chloroform	ND U	5.0	1	10/20/23 13:50	
Chloromethane	ND U	5.0	1	10/20/23 13:50	
Dibromochloromethane	ND U	5.0	1	10/20/23 13:50	
1,1-Dichloroethane	ND U	5.0	1	10/20/23 13:50	
1,2-Dichloroethane	ND U	5.0	1	10/20/23 13:50	
1,1-Dichloroethene	ND U	5.0	1	10/20/23 13:50	
cis-1,2-Dichloroethene	ND U	5.0	1	10/20/23 13:50	
trans-1,2-Dichloroethene	ND U	5.0	1	10/20/23 13:50	
1,2-Dichloropropane	ND U	5.0	1	10/20/23 13:50	
cis-1,3-Dichloropropene	ND U	5.0	1	10/20/23 13:50	
trans-1,3-Dichloropropene	ND U	5.0	1	10/20/23 13:50	
Ethylbenzene	ND U	5.0	1	10/20/23 13:50	
2-Hexanone	ND U	10	1	10/20/23 13:50	
Methylene Chloride	ND U	5.0	1	10/20/23 13:50	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	10/20/23 13:50	
Styrene	ND U	5.0	1	10/20/23 13:50	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	10/20/23 13:50	
Tetrachloroethene	ND U	5.0	1	10/20/23 13:50	
Toluene	ND U	5.0	1	10/20/23 13:50	
1,1,1-Trichloroethane	ND U	5.0	1	10/20/23 13:50	
1,1,2-Trichloroethane	ND U	5.0	1	10/20/23 13:50	
Trichloroethene	**130**	5.0	1	10/20/23 13:50	
Vinyl Chloride	ND U	5.0	1	10/20/23 13:50	
o-Xylene	ND U	5.0	1	10/20/23 13:50	
m,p-Xylenes	ND U	5.0	1	10/20/23 13:50	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	10/13/23 10:10
Sample Matrix:	Water	**Date Received:**	10/13/23 13:40
Sample Name:	MW-13	**Units:**	ug/L
Lab Code:	R2309475-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	10/20/23 13:50	
Toluene-d8	98	87 - 121	10/20/23 13:50	
Dibromofluoromethane	96	80 - 116	10/20/23 13:50	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	10/13/23
Sample Matrix:	Water	**Date Received:**	10/13/23 13:40
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2309475-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	10/20/23 13:05	
Benzene	ND U	5.0	1	10/20/23 13:05	
Bromodichloromethane	ND U	5.0	1	10/20/23 13:05	
Bromoform	ND U	5.0	1	10/20/23 13:05	
Bromomethane	ND U	5.0	1	10/20/23 13:05	
2-Butanone (MEK)	ND U	10	1	10/20/23 13:05	
Carbon Disulfide	ND U	10	1	10/20/23 13:05	
Carbon Tetrachloride	ND U	5.0	1	10/20/23 13:05	
Chlorobenzene	ND U	5.0	1	10/20/23 13:05	
Chloroethane	ND U	5.0	1	10/20/23 13:05	
Chloroform	ND U	5.0	1	10/20/23 13:05	
Chloromethane	ND U	5.0	1	10/20/23 13:05	
Dibromochloromethane	ND U	5.0	1	10/20/23 13:05	
1,1-Dichloroethane	ND U	5.0	1	10/20/23 13:05	
1,2-Dichloroethane	ND U	5.0	1	10/20/23 13:05	
1,1-Dichloroethene	ND U	5.0	1	10/20/23 13:05	
cis-1,2-Dichloroethene	ND U	5.0	1	10/20/23 13:05	
trans-1,2-Dichloroethene	ND U	5.0	1	10/20/23 13:05	
1,2-Dichloropropane	ND U	5.0	1	10/20/23 13:05	
cis-1,3-Dichloropropene	ND U	5.0	1	10/20/23 13:05	
trans-1,3-Dichloropropene	ND U	5.0	1	10/20/23 13:05	
Ethylbenzene	ND U	5.0	1	10/20/23 13:05	
2-Hexanone	ND U	10	1	10/20/23 13:05	
Methylene Chloride	ND U	5.0	1	10/20/23 13:05	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	10/20/23 13:05	
Styrene	ND U	5.0	1	10/20/23 13:05	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	10/20/23 13:05	
Tetrachloroethene	ND U	5.0	1	10/20/23 13:05	
Toluene	ND U	5.0	1	10/20/23 13:05	
1,1,1-Trichloroethane	ND U	5.0	1	10/20/23 13:05	
1,1,2-Trichloroethane	ND U	5.0	1	10/20/23 13:05	
Trichloroethene	ND U	5.0	1	10/20/23 13:05	
Vinyl Chloride	ND U	5.0	1	10/20/23 13:05	
o-Xylene	ND U	5.0	1	10/20/23 13:05	
m,p-Xylenes	ND U	5.0	1	10/20/23 13:05	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	10/13/23
Sample Matrix:	Water	**Date Received:**	10/13/23 13:40
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2309475-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	10/20/23 13:05	
Toluene-d8	98	87 - 121	10/20/23 13:05	
Dibromofluoromethane	95	80 - 116	10/20/23 13:05	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: ARCADIS U.S., Inc. (formerly ARCADIS of New York) **Service Request:** R2309475
Project: Crosman/3005202
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

		4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
Sample Name	**Lab Code**	**85 - 122**	**80 - 116**	**87 - 121**
MW-15	R2309475-001	101	98	98
MW-4	R2309475-002	103	98	100
MW-5	R2309475-003	106	99	101
MW-14	R2309475-004	104	103	102
PW-1	R2309475-005	101	97	98
MW-13	R2309475-006	104	96	98
Trip Blank	R2309475-007	99	95	98
Lab Control Sample	RQ2313739-03	97	91	94
Method Blank	RQ2313739-04	99	96	96
PW-1 MS	RQ2313739-05	100	96	97
PW-1 DMS	RQ2313739-06	97	93	96

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	10/13/23
Sample Matrix:	Water	**Date Received:**	10/13/23
		Date Analyzed:	10/20/23
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	PW-1	**Units:**	ug/L
Lab Code:	R2309475-005	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2313739-05			**Duplicate Matrix Spike** RQ2313739-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Acetone	ND U	31.4	50.0	63	31.9	50.0	64	35-183	2	30
Benzene	ND U	49.4	50.0	99	49.4	50.0	99	76-129	<1	30
Bromodichloromethane	ND U	45.7	50.0	91	48.2	50.0	96	78-133	5	30
Bromoform	ND U	50.2	50.0	100	51.9	50.0	104	58-133	3	30
Bromomethane	ND U	32.2	50.0	64	30.7	50.0	61	10-184	5	30
2-Butanone (MEK)	ND U	32.6	50.0	65	34.3	50.0	69	61-137	5	30
Carbon Disulfide	ND U	42.8	50.0	86	44.4	50.0	89	59-140	4	30
Carbon Tetrachloride	ND U	44.4	50.0	89	50.5	50.0	101	65-135	13	30
Chlorobenzene	ND U	49.2	50.0	98	49.6	50.0	99	76-125	<1	30
Chloroethane	ND U	31.8	50.0	64	33.3	50.0	67	48-146	5	30
Chloroform	ND U	48.1	50.0	96	48.0	50.0	96	75-130	<1	30
Chloromethane	ND U	44.6	50.0	89	43.1	50.0	86	55-160	3	30
Dibromochloromethane	ND U	47.8	50.0	96	49.5	50.0	99	72-128	4	30
1,1-Dichloroethane	ND U	49.1	50.0	98	49.9	50.0	100	74-132	2	30
1,2-Dichloroethane	ND U	42.8	50.0	86	42.5	50.0	85	68-130	<1	30
1,1-Dichloroethene	ND U	48.8	50.0	98	48.8	50.0	98	71-118	<1	30
cis-1,2-Dichloroethene	ND U	49.2	50.0	98	49.9	50.0	100	77-127	1	30
trans-1,2-Dichloroethene	ND U	50.4	50.0	101	52.2	50.0	104	73-118	3	30
1,2-Dichloropropane	ND U	44.9	50.0	90	45.7	50.0	91	79-124	2	30
cis-1,3-Dichloropropene	ND U	45.9	50.0	92	48.2	50.0	96	52-134	5	30
trans-1,3-Dichloropropene	ND U	43.3	50.0	87	46.9	50.0	94	71-133	8	30
Ethylbenzene	ND U	50.9	50.0	102	51.5	50.0	103	72-134	1	30
2-Hexanone	ND U	37.0	50.0	74	39.0	50.0	78	56-132	5	30
Methylene Chloride	ND U	48.8	50.0	98	48.5	50.0	97	73-122	<1	30
4-Methyl-2-pentanone (MIBK)	ND U	39.2	50.0	78	40.8	50.0	82	60-141	4	30
Styrene	ND U	50.0	50.0	100	50.1	50.0	100	74-136	<1	30
1,1,2,2-Tetrachloroethane	ND U	49.6	50.0	99	47.2	50.0	94	72-122	5	30
Tetrachloroethene	ND U	52.6	50.0	105	51.9	50.0	104	72-125	1	30
Toluene	ND U	50.0	50.0	100	49.5	50.0	99	79-119	1	30
1,1,1-Trichloroethane	ND U	45.5	50.0	91	48.4	50.0	97	74-127	6	30
1,1,2-Trichloroethane	ND U	46.8	50.0	94	46.1	50.0	92	82-121	1	30
Trichloroethene	55	102	50.0	93	101	50.0	92	74-122	<1	30
Vinyl Chloride	ND U	37.2	50.0	74	35.8	50.0	72 *	74-159	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	10/13/23
Sample Matrix:	Water	**Date Received:**	10/13/23
		Date Analyzed:	10/20/23
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	PW-1	**Units:**	ug/L
Lab Code:	R2309475-005	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2313739-05			Duplicate Matrix Spike RQ2313739-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
o-Xylene	ND U	49.0	50.0	98	50.0	50.0	100	79-123	2	30
m,p-Xylenes	ND U	105	100	105	106	100	106	80-126	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2313739-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	10/20/23 11:57	
Benzene	ND U	5.0	1	10/20/23 11:57	
Bromodichloromethane	ND U	5.0	1	10/20/23 11:57	
Bromoform	ND U	5.0	1	10/20/23 11:57	
Bromomethane	ND U	5.0	1	10/20/23 11:57	
2-Butanone (MEK)	ND U	10	1	10/20/23 11:57	
Carbon Disulfide	ND U	10	1	10/20/23 11:57	
Carbon Tetrachloride	ND U	5.0	1	10/20/23 11:57	
Chlorobenzene	ND U	5.0	1	10/20/23 11:57	
Chloroethane	ND U	5.0	1	10/20/23 11:57	
Chloroform	ND U	5.0	1	10/20/23 11:57	
Chloromethane	ND U	5.0	1	10/20/23 11:57	
Dibromochloromethane	ND U	5.0	1	10/20/23 11:57	
1,1-Dichloroethane	ND U	5.0	1	10/20/23 11:57	
1,2-Dichloroethane	ND U	5.0	1	10/20/23 11:57	
1,1-Dichloroethene	ND U	5.0	1	10/20/23 11:57	
cis-1,2-Dichloroethene	ND U	5.0	1	10/20/23 11:57	
trans-1,2-Dichloroethene	ND U	5.0	1	10/20/23 11:57	
1,2-Dichloropropane	ND U	5.0	1	10/20/23 11:57	
cis-1,3-Dichloropropene	ND U	5.0	1	10/20/23 11:57	
trans-1,3-Dichloropropene	ND U	5.0	1	10/20/23 11:57	
Ethylbenzene	ND U	5.0	1	10/20/23 11:57	
2-Hexanone	ND U	10	1	10/20/23 11:57	
Methylene Chloride	ND U	5.0	1	10/20/23 11:57	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	10/20/23 11:57	
Styrene	ND U	5.0	1	10/20/23 11:57	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	10/20/23 11:57	
Tetrachloroethene	ND U	5.0	1	10/20/23 11:57	
Toluene	ND U	5.0	1	10/20/23 11:57	
1,1,1-Trichloroethane	ND U	5.0	1	10/20/23 11:57	
1,1,2-Trichloroethane	ND U	5.0	1	10/20/23 11:57	
Trichloroethene	ND U	5.0	1	10/20/23 11:57	
Vinyl Chloride	ND U	5.0	1	10/20/23 11:57	
o-Xylene	ND U	5.0	1	10/20/23 11:57	
m,p-Xylenes	ND U	5.0	1	10/20/23 11:57	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2309475
Project:	Crosman/3005202	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2313739-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	10/20/23 11:57	
Toluene-d8	96	87 - 121	10/20/23 11:57	
Dibromofluoromethane	96	80 - 116	10/20/23 11:57	

Client: ARCADIS U.S., Inc. (formerly ARCADIS of New York) **Service Request:** R2309475
Project: Crosman/3005202 **Date Analyzed:** 10/20/23
Sample Matrix: Water

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2313739-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Acetone	8260C	12.0	20.0	60	40-161
Benzene	8260C	19.5	20.0	98	79-119
Bromodichloromethane	8260C	18.7	20.0	94	81-123
Bromoform	8260C	21.1	20.0	105	65-146
Bromomethane	8260C	17.9	20.0	90	42-166
2-Butanone (MEK)	8260C	12.9	20.0	65	61-137
Carbon Disulfide	8260C	17.8	20.0	89	66-128
Carbon Tetrachloride	8260C	19.8	20.0	99	70-127
Chlorobenzene	8260C	19.7	20.0	99	80-121
Chloroethane	8260C	13.2	20.0	66	62-131
Chloroform	8260C	19.0	20.0	95	79-120
Chloromethane	8260C	17.6	20.0	88	72-179
Dibromochloromethane	8260C	19.1	20.0	96	72-128
1,1-Dichloroethane	8260C	19.1	20.0	96	80-124
1,2-Dichloroethane	8260C	17.4	20.0	87	71-127
1,1-Dichloroethene	8260C	18.7	20.0	93	69-142
cis-1,2-Dichloroethene	8260C	18.8	20.0	94	80-121
trans-1,2-Dichloroethene	8260C	19.5	20.0	98	73-118
1,2-Dichloropropane	8260C	18.5	20.0	92	80-119
cis-1,3-Dichloropropene	8260C	20.3	20.0	102	77-122
trans-1,3-Dichloropropene	8260C	20.4	20.0	102	71-133
Ethylbenzene	8260C	20.0	20.0	100	76-120
2-Hexanone	8260C	14.1	20.0	70	63-124
Methylene Chloride	8260C	19.0	20.0	95	73-122
4-Methyl-2-pentanone (MIBK)	8260C	16.4	20.0	82	66-124
Styrene	8260C	20.2	20.0	101	80-124
1,1,2,2-Tetrachloroethane	8260C	18.4	20.0	92	78-126
Tetrachloroethene	8260C	20.5	20.0	103	72-125
Toluene	8260C	20.2	20.0	101	79-119
1,1,1-Trichloroethane	8260C	18.7	20.0	94	75-125
1,1,2-Trichloroethane	8260C	18.9	20.0	94	82-121
Trichloroethene	8260C	18.9	20.0	95	74-122
Vinyl Chloride	8260C	14.7	20.0	74	74-159

Client: ARCADIS U.S., Inc. (formerly ARCADIS of New York)
Project: Crosman/3005202
Sample Matrix: Water

Service Request: R2309475
Date Analyzed: 10/20/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2313739-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
o-Xylene	8260C	19.3	20.0	97	79-123
m,p-Xylenes	8260C	43.0	40.0	107	80-126

Groundwater Parameter Log (Spring)
Crosman Site
East Bloomfield, NY

Sampling Personnel: BKW/AJS
Event: Spring 2024

		Passive Diffusion Bag Samplers			Sampling Parameters									
Date	**Sample ID**	**Deployment Date**	**Deployment Depth (ft bgs)**	**PDB Size (diameter x length)**	**Sample Time**	**DTW (ft BTIC)**	**Temp (°C)**	**Dissolved Oxygen (mg/L)**	**Specific Conductivity (mS/cm**	**pH (SU)**	**ORP (mV)**	**Turbidity (NTU)**	**# of Bottles**	**Notes**
4/18/2024	PW-1	NA	NA	NA	1225	12.65	11.9	6.68	1.648	6.84	235.7	0.00	3	
4/18/2024	MW-3A	4/7/2023	70.5	1.7" x 24"	1125	47.53	12.3	8.06	0.010	4.50	265.3	0.00	3	
4/18/2024	MW-4	10/13/2023	30.6	1.7" x 24"	1020	15.48	12.4	4.80	0.005	4.95	222.0	0.00	3	
4/18/2024	MW-5	10/13/2023	45.6	1.7" x 24"	1030	15.00	10.8	3.24	0.005	4.79	227.7	0.00	3	
4/18/2024	MW-13	10/13/2023	63.5	1.7" x 24"	1105	31.68	12.0	5.87	0.008	4.68	250.3	0.00	3	
4/18/2024	MW-14	10/13/2023	85.0	1.7" x 24"	1040	56.57	10.6	4.43	0.004	4.90	225.3	0.87	3	
4/18/2024	MW-15	10/13/2023	30.0	1.7" x 24"	1000	11.46	11.9	5.69	0.005	5.64	185.1	0.00	3	
4/18/2024	MW-17	4/7/2023	30.9	1.7" x 24"	1115	51.60	14.2	4.41	0.006	4.81	245.2	0.00	3	
4/18/2024	MW-18	4/7/2023	68.1	1.7" x 24"	0925	34.88	12.0	5.12	0.012	7.82	104.9	4.22	3	
4/18/2024	MW-19	4/7/2023	32.5	1.7" x 24"	0945	17.52	11.1	7.21	0.007	6.12	169.2	0.00	3	
4/18/2024	MW-20	4/7/2023	57.0	1.7" x 24"	1200	54.25	13.6	9.83	0.007	4.79	263.8	0.00	3	

Notes:
Samples submitted for VOC analysis via Method 8260 (3 - 40 mL vials/sample)
bgs - below ground surface
BTIC - below top of inner casing

April 29, 2024 Service Request No:R2403211

Mr. Aaron Richardson
ARCADIS
100 Chestnut St., Suite 100
Rochester, NY 14604

Laboratory Results for: Crosman

Dear Mr.Richardson,

Enclosed are the results of the sample(s) submitted to our laboratory April 18, 2024
For your reference, these analyses have been assigned our service request number **R2403211.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: ARCADIS U.S., Inc. (formerly ARCADIS of New York) **Service Request:** R2403211
Project: Crosman **Date Received:** 04/18/2024
Sample Matrix: Water

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Twelve water samples were received for analysis at ALS Environmental on 04/18/2024. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

Method 8260C, 04/25/2024: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Approved by _____ Date 04/29/2024

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-5			Lab ID: R2403211-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	22			5.0	ug/L	8260C

CLIENT ID: MW-17			Lab ID: R2403211-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
trans-1,2-Dichloroethene	17			10	ug/L	8260C
Trichloroethene	240			10	ug/L	8260C

CLIENT ID: PW-1			Lab ID: R2403211-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene	28			5.0	ug/L	8260C

CLIENT ID: MW-3A			Lab ID: R2403211-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene	150			5.0	ug/L	8260C

CLIENT ID: MW-13			Lab ID: R2403211-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene	80			5.0	ug/L	8260C

CLIENT ID: MW-20			Lab ID: R2403211-011			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene	100			5.0	ug/L	8260C

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: ARCADIS U.S., Inc. (formerly ARCADIS of New York) **Service Request:**R2403211
Project: Crosman/30005202

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2403211-001	PW-1	4/18/2024	1225
R2403211-002	MW-3A	4/18/2024	1125
R2403211-003	MW-4	4/18/2024	1020
R2403211-004	MW-5	4/18/2024	1030
R2403211-005	MW-13	4/18/2024	1105
R2403211-006	MW-14	4/18/2024	1040
R2403211-007	MW-15	4/18/2024	1000
R2403211-008	MW-17	4/18/2024	1115
R2403211-009	MW-18	4/18/2024	0925
R2403211-010	MW-19	4/18/2024	0945
R2403211-011	MW-20	4/18/2024	1200
R2403211-012	Trip Blank	4/18/2024	

ALS Environmental

1565 Jefferson Rd, Bldg 300 Ste 360, Rochester, NY 146 585-288-5380 FAX 585-288-8475

SR# _____

Project Name: Crosman **Project Number:** 30005202

Project Manager: Aaron Richardson **Company:** Arcadis of New York, Inc.

Company/Address: 100 Chestnut Street **Phone:** 585-662-4057

City, State, Zip: Rochester, NY 14604 **Email:** Aaron.Richardson@Arcadis.com

Sampler's Name and Signature:

Sample I.D.	Date	Time	LAB ID	Matrix	Number of Containers	Analysis Requested: VOCs	REMARKS
PW-1	4/18/2023	1225		GW	3	X	
MW-3A	4/18/2023	1125		GW	3	X	
MW-4	4/18/2023	1020		GW	3	X	
MW-5	4/18/2023	1030		GW	3	X	
MW-13	4/18/2023	1105		GW	3	X	
MW-14	4/18/2023	1040		GW	3	X	
MW-15	4/18/2023	1000		GW	3	X	
MW-17	4/18/2023	1115		GW	3	X	
MW-18	4/18/2023	0925		GW	3	X	
MW-19	4/18/2023	0945		GW	3	X	
MW-20	4/18/2023	1200		GW	3	X	
TRIP BLANK	--	--		W	3	X	

URNAROUND REQUIREMENTS

____ 24 hr* ____ 48 hr* ____3BD* ____ 5 BD*

* RUSH TAT additional surcharges apply

X Standard (10 BD)

Requested Report Date:_____

Invoice Information

P.O. # _____

Bill to: _____

REPORT REQUIREMENTS

_____ I. Routine Report: Results and Method Blank (Surrogate, as required)

_____ II. Results w/ QC (Dup., MS, MSD as req)

_____ III. Results (with QC and Calibration Summaries)

X IV. ASP-B Package

_____ EDD?

EDD Type:

Comments/Special Instructions:

RELINQUISHED BY:

Signature: [signature]

Printed Name: B. Kudla-Williams

Firm: Arcadis

Date/Time: 4/18/24 1345

RECEIVED BY:

Signature: [signature]

Printed Name: Remy Rubin

Firm: ALS

Date/Time: 4/18/24 1345

RELINQUISHED BY:

Signature: _____

Printed Name: _____

Firm: _____

Date/Time: _____

RECEIVED BY:

Signature: _____

Printed Name: _____

Firm: _____

Date/Time: _____

R2403211 5

ARCADIS

Crosman

Cooler Receipt and Preservat

R2403211 5
ARCADIS
Crosman

Project/Client Arcadis Folder Number

Cooler received on 4/18/24 by: RR

COURIER: ALS UPS FEDEX VELOCITY (CLIENT)

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk, or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (Wet Ice) **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 4/18/24 Time: 1347 ID: IR#12 (IR#11) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	14.5						
Within 0-6°C?	Y (N)	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) (Same Day Rule)

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: SMO by RR on 4/18 at 1350
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 4/18/24 Time: 1428 by: RR

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Were dissolved metals filtered in the field? YES NO (N/A)
14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-						
		HCl	**	**	24001661	04/26				

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 112723-3AXH
Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: ME
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory. To verify NH accredited analytes, go to https://www4.des.state.nh.us/CertifiedLabs/Certified-Method.aspx.

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: ARCADIS U.S., Inc. (formerly ARCADIS of New York) **Service Request:** R2403211
Project: Crosman/30005202

Sample Name: PW-1 **Date Collected:** 04/18/24
Lab Code: R2403211-001 **Date Received:** 04/18/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-3A **Date Collected:** 04/18/24
Lab Code: R2403211-002 **Date Received:** 04/18/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-4 **Date Collected:** 04/18/24
Lab Code: R2403211-003 **Date Received:** 04/18/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-5 **Date Collected:** 04/18/24
Lab Code: R2403211-004 **Date Received:** 04/18/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-13 **Date Collected:** 04/18/24
Lab Code: R2403211-005 **Date Received:** 04/18/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Client: ARCADIS U.S., Inc. (formerly ARCADIS of New York) **Service Request:** R2403211
Project: Crosman/30005202

Sample Name: MW-14 **Date Collected:** 04/18/24
Lab Code: R2403211-006 **Date Received:** 04/18/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-15 **Date Collected:** 04/18/24
Lab Code: R2403211-007 **Date Received:** 04/18/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-17 **Date Collected:** 04/18/24
Lab Code: R2403211-008 **Date Received:** 04/18/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-18 **Date Collected:** 04/18/24
Lab Code: R2403211-009 **Date Received:** 04/18/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-19 **Date Collected:** 04/18/24
Lab Code: R2403211-010 **Date Received:** 04/18/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202		

Sample Name:	MW-20	**Date Collected:**	04/18/24
Lab Code:	R2403211-011	**Date Received:**	04/18/24
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	Trip Blank	**Date Collected:**	04/18/24
Lab Code:	R2403211-012	**Date Received:**	04/18/24
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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www.alsglobal.com

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 12:25
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	PW-1	**Units:**	ug/L
Lab Code:	R2403211-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	04/25/24 03:24	
Benzene	ND U	5.0	1	04/25/24 03:24	
Bromodichloromethane	ND U	5.0	1	04/25/24 03:24	
Bromoform	ND U	5.0	1	04/25/24 03:24	
Bromomethane	ND U	5.0	1	04/25/24 03:24	
2-Butanone (MEK)	ND U	10	1	04/25/24 03:24	
Carbon Disulfide	ND U	10	1	04/25/24 03:24	
Carbon Tetrachloride	ND U	5.0	1	04/25/24 03:24	
Chlorobenzene	ND U	5.0	1	04/25/24 03:24	
Chloroethane	ND U	5.0	1	04/25/24 03:24	
Chloroform	ND U	5.0	1	04/25/24 03:24	
Chloromethane	ND U	5.0	1	04/25/24 03:24	
Dibromochloromethane	ND U	5.0	1	04/25/24 03:24	
1,1-Dichloroethane	ND U	5.0	1	04/25/24 03:24	
1,2-Dichloroethane	ND U	5.0	1	04/25/24 03:24	
1,1-Dichloroethene	ND U	5.0	1	04/25/24 03:24	
cis-1,2-Dichloroethene	ND U	5.0	1	04/25/24 03:24	
trans-1,2-Dichloroethene	ND U	5.0	1	04/25/24 03:24	
1,2-Dichloropropane	ND U	5.0	1	04/25/24 03:24	
cis-1,3-Dichloropropene	ND U	5.0	1	04/25/24 03:24	
trans-1,3-Dichloropropene	ND U	5.0	1	04/25/24 03:24	
Ethylbenzene	ND U	5.0	1	04/25/24 03:24	
2-Hexanone	ND U	10	1	04/25/24 03:24	
Methylene Chloride	ND U	5.0	1	04/25/24 03:24	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	04/25/24 03:24	
Styrene	ND U	5.0	1	04/25/24 03:24	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	04/25/24 03:24	
Tetrachloroethene	ND U	5.0	1	04/25/24 03:24	
Toluene	ND U	5.0	1	04/25/24 03:24	
1,1,1-Trichloroethane	ND U	5.0	1	04/25/24 03:24	
1,1,2-Trichloroethane	ND U	5.0	1	04/25/24 03:24	
Trichloroethene	**28**	5.0	1	04/25/24 03:24	
Vinyl Chloride	ND U	5.0	1	04/25/24 03:24	
o-Xylene	ND U	5.0	1	04/25/24 03:24	
m,p-Xylenes	ND U	5.0	1	04/25/24 03:24	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 12:25
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	PW-1	**Units:**	ug/L
Lab Code:	R2403211-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	04/25/24 03:24	
Toluene-d8	100	87 - 121	04/25/24 03:24	
Dibromofluoromethane	96	80 - 116	04/25/24 03:24	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 11:25
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-3A	**Units:**	ug/L
Lab Code:	R2403211-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	04/25/24 03:46	
Benzene	ND U	5.0	1	04/25/24 03:46	
Bromodichloromethane	ND U	5.0	1	04/25/24 03:46	
Bromoform	ND U	5.0	1	04/25/24 03:46	
Bromomethane	ND U	5.0	1	04/25/24 03:46	
2-Butanone (MEK)	ND U	10	1	04/25/24 03:46	
Carbon Disulfide	ND U	10	1	04/25/24 03:46	
Carbon Tetrachloride	ND U	5.0	1	04/25/24 03:46	
Chlorobenzene	ND U	5.0	1	04/25/24 03:46	
Chloroethane	ND U	5.0	1	04/25/24 03:46	
Chloroform	ND U	5.0	1	04/25/24 03:46	
Chloromethane	ND U	5.0	1	04/25/24 03:46	
Dibromochloromethane	ND U	5.0	1	04/25/24 03:46	
1,1-Dichloroethane	ND U	5.0	1	04/25/24 03:46	
1,2-Dichloroethane	ND U	5.0	1	04/25/24 03:46	
1,1-Dichloroethene	ND U	5.0	1	04/25/24 03:46	
cis-1,2-Dichloroethene	ND U	5.0	1	04/25/24 03:46	
trans-1,2-Dichloroethene	ND U	5.0	1	04/25/24 03:46	
1,2-Dichloropropane	ND U	5.0	1	04/25/24 03:46	
cis-1,3-Dichloropropene	ND U	5.0	1	04/25/24 03:46	
trans-1,3-Dichloropropene	ND U	5.0	1	04/25/24 03:46	
Ethylbenzene	ND U	5.0	1	04/25/24 03:46	
2-Hexanone	ND U	10	1	04/25/24 03:46	
Methylene Chloride	ND U	5.0	1	04/25/24 03:46	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	04/25/24 03:46	
Styrene	ND U	5.0	1	04/25/24 03:46	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	04/25/24 03:46	
Tetrachloroethene	ND U	5.0	1	04/25/24 03:46	
Toluene	ND U	5.0	1	04/25/24 03:46	
1,1,1-Trichloroethane	ND U	5.0	1	04/25/24 03:46	
1,1,2-Trichloroethane	ND U	5.0	1	04/25/24 03:46	
Trichloroethene	**150**	5.0	1	04/25/24 03:46	
Vinyl Chloride	ND U	5.0	1	04/25/24 03:46	
o-Xylene	ND U	5.0	1	04/25/24 03:46	
m,p-Xylenes	ND U	5.0	1	04/25/24 03:46	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 11:25
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-3A	**Units:**	ug/L
Lab Code:	R2403211-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	04/25/24 03:46	
Toluene-d8	100	87 - 121	04/25/24 03:46	
Dibromofluoromethane	95	80 - 116	04/25/24 03:46	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 10:20
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-4	**Units:**	ug/L
Lab Code:	R2403211-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	04/25/24 04:09	
Benzene	ND U	5.0	1	04/25/24 04:09	
Bromodichloromethane	ND U	5.0	1	04/25/24 04:09	
Bromoform	ND U	5.0	1	04/25/24 04:09	
Bromomethane	ND U	5.0	1	04/25/24 04:09	
2-Butanone (MEK)	ND U	10	1	04/25/24 04:09	
Carbon Disulfide	ND U	10	1	04/25/24 04:09	
Carbon Tetrachloride	ND U	5.0	1	04/25/24 04:09	
Chlorobenzene	ND U	5.0	1	04/25/24 04:09	
Chloroethane	ND U	5.0	1	04/25/24 04:09	
Chloroform	ND U	5.0	1	04/25/24 04:09	
Chloromethane	ND U	5.0	1	04/25/24 04:09	
Dibromochloromethane	ND U	5.0	1	04/25/24 04:09	
1,1-Dichloroethane	ND U	5.0	1	04/25/24 04:09	
1,2-Dichloroethane	ND U	5.0	1	04/25/24 04:09	
1,1-Dichloroethene	ND U	5.0	1	04/25/24 04:09	
cis-1,2-Dichloroethene	ND U	5.0	1	04/25/24 04:09	
trans-1,2-Dichloroethene	ND U	5.0	1	04/25/24 04:09	
1,2-Dichloropropane	ND U	5.0	1	04/25/24 04:09	
cis-1,3-Dichloropropene	ND U	5.0	1	04/25/24 04:09	
trans-1,3-Dichloropropene	ND U	5.0	1	04/25/24 04:09	
Ethylbenzene	ND U	5.0	1	04/25/24 04:09	
2-Hexanone	ND U	10	1	04/25/24 04:09	
Methylene Chloride	ND U	5.0	1	04/25/24 04:09	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	04/25/24 04:09	
Styrene	ND U	5.0	1	04/25/24 04:09	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	04/25/24 04:09	
Tetrachloroethene	ND U	5.0	1	04/25/24 04:09	
Toluene	ND U	5.0	1	04/25/24 04:09	
1,1,1-Trichloroethane	ND U	5.0	1	04/25/24 04:09	
1,1,2-Trichloroethane	ND U	5.0	1	04/25/24 04:09	
Trichloroethene	ND U	5.0	1	04/25/24 04:09	
Vinyl Chloride	ND U	5.0	1	04/25/24 04:09	
o-Xylene	ND U	5.0	1	04/25/24 04:09	
m,p-Xylenes	ND U	5.0	1	04/25/24 04:09	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 10:20
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-4	**Units:**	ug/L
Lab Code:	R2403211-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	04/25/24 04:09	
Toluene-d8	100	87 - 121	04/25/24 04:09	
Dibromofluoromethane	95	80 - 116	04/25/24 04:09	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 10:30
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2403211-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	04/25/24 04:31	
Benzene	ND U	5.0	1	04/25/24 04:31	
Bromodichloromethane	ND U	5.0	1	04/25/24 04:31	
Bromoform	ND U	5.0	1	04/25/24 04:31	
Bromomethane	ND U	5.0	1	04/25/24 04:31	
2-Butanone (MEK)	ND U	10	1	04/25/24 04:31	
Carbon Disulfide	ND U	10	1	04/25/24 04:31	
Carbon Tetrachloride	ND U	5.0	1	04/25/24 04:31	
Chlorobenzene	ND U	5.0	1	04/25/24 04:31	
Chloroethane	ND U	5.0	1	04/25/24 04:31	
Chloroform	ND U	5.0	1	04/25/24 04:31	
Chloromethane	ND U	5.0	1	04/25/24 04:31	
Dibromochloromethane	ND U	5.0	1	04/25/24 04:31	
1,1-Dichloroethane	ND U	5.0	1	04/25/24 04:31	
1,2-Dichloroethane	ND U	5.0	1	04/25/24 04:31	
1,1-Dichloroethene	ND U	5.0	1	04/25/24 04:31	
cis-1,2-Dichloroethene	**22**	5.0	1	04/25/24 04:31	
trans-1,2-Dichloroethene	ND U	5.0	1	04/25/24 04:31	
1,2-Dichloropropane	ND U	5.0	1	04/25/24 04:31	
cis-1,3-Dichloropropene	ND U	5.0	1	04/25/24 04:31	
trans-1,3-Dichloropropene	ND U	5.0	1	04/25/24 04:31	
Ethylbenzene	ND U	5.0	1	04/25/24 04:31	
2-Hexanone	ND U	10	1	04/25/24 04:31	
Methylene Chloride	ND U	5.0	1	04/25/24 04:31	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	04/25/24 04:31	
Styrene	ND U	5.0	1	04/25/24 04:31	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	04/25/24 04:31	
Tetrachloroethene	ND U	5.0	1	04/25/24 04:31	
Toluene	ND U	5.0	1	04/25/24 04:31	
1,1,1-Trichloroethane	ND U	5.0	1	04/25/24 04:31	
1,1,2-Trichloroethane	ND U	5.0	1	04/25/24 04:31	
Trichloroethene	ND U	5.0	1	04/25/24 04:31	
Vinyl Chloride	ND U	5.0	1	04/25/24 04:31	
o-Xylene	ND U	5.0	1	04/25/24 04:31	
m,p-Xylenes	ND U	5.0	1	04/25/24 04:31	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 10:30
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2403211-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	04/25/24 04:31	
Toluene-d8	100	87 - 121	04/25/24 04:31	
Dibromofluoromethane	95	80 - 116	04/25/24 04:31	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 11:05
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-13	**Units:**	ug/L
Lab Code:	R2403211-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	04/25/24 04:53	
Benzene	ND U	5.0	1	04/25/24 04:53	
Bromodichloromethane	ND U	5.0	1	04/25/24 04:53	
Bromoform	ND U	5.0	1	04/25/24 04:53	
Bromomethane	ND U	5.0	1	04/25/24 04:53	
2-Butanone (MEK)	ND U	10	1	04/25/24 04:53	
Carbon Disulfide	ND U	10	1	04/25/24 04:53	
Carbon Tetrachloride	ND U	5.0	1	04/25/24 04:53	
Chlorobenzene	ND U	5.0	1	04/25/24 04:53	
Chloroethane	ND U	5.0	1	04/25/24 04:53	
Chloroform	ND U	5.0	1	04/25/24 04:53	
Chloromethane	ND U	5.0	1	04/25/24 04:53	
Dibromochloromethane	ND U	5.0	1	04/25/24 04:53	
1,1-Dichloroethane	ND U	5.0	1	04/25/24 04:53	
1,2-Dichloroethane	ND U	5.0	1	04/25/24 04:53	
1,1-Dichloroethene	ND U	5.0	1	04/25/24 04:53	
cis-1,2-Dichloroethene	ND U	5.0	1	04/25/24 04:53	
trans-1,2-Dichloroethene	ND U	5.0	1	04/25/24 04:53	
1,2-Dichloropropane	ND U	5.0	1	04/25/24 04:53	
cis-1,3-Dichloropropene	ND U	5.0	1	04/25/24 04:53	
trans-1,3-Dichloropropene	ND U	5.0	1	04/25/24 04:53	
Ethylbenzene	ND U	5.0	1	04/25/24 04:53	
2-Hexanone	ND U	10	1	04/25/24 04:53	
Methylene Chloride	ND U	5.0	1	04/25/24 04:53	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	04/25/24 04:53	
Styrene	ND U	5.0	1	04/25/24 04:53	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	04/25/24 04:53	
Tetrachloroethene	ND U	5.0	1	04/25/24 04:53	
Toluene	ND U	5.0	1	04/25/24 04:53	
1,1,1-Trichloroethane	ND U	5.0	1	04/25/24 04:53	
1,1,2-Trichloroethane	ND U	5.0	1	04/25/24 04:53	
Trichloroethene	**80**	5.0	1	04/25/24 04:53	
Vinyl Chloride	ND U	5.0	1	04/25/24 04:53	
o-Xylene	ND U	5.0	1	04/25/24 04:53	
m,p-Xylenes	ND U	5.0	1	04/25/24 04:53	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 11:05
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-13	**Units:**	ug/L
Lab Code:	R2403211-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	04/25/24 04:53	
Toluene-d8	98	87 - 121	04/25/24 04:53	
Dibromofluoromethane	93	80 - 116	04/25/24 04:53	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 10:40
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-14	**Units:**	ug/L
Lab Code:	R2403211-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	04/25/24 05:16	
Benzene	ND U	5.0	1	04/25/24 05:16	
Bromodichloromethane	ND U	5.0	1	04/25/24 05:16	
Bromoform	ND U	5.0	1	04/25/24 05:16	
Bromomethane	ND U	5.0	1	04/25/24 05:16	
2-Butanone (MEK)	ND U	10	1	04/25/24 05:16	
Carbon Disulfide	ND U	10	1	04/25/24 05:16	
Carbon Tetrachloride	ND U	5.0	1	04/25/24 05:16	
Chlorobenzene	ND U	5.0	1	04/25/24 05:16	
Chloroethane	ND U	5.0	1	04/25/24 05:16	
Chloroform	ND U	5.0	1	04/25/24 05:16	
Chloromethane	ND U	5.0	1	04/25/24 05:16	
Dibromochloromethane	ND U	5.0	1	04/25/24 05:16	
1,1-Dichloroethane	ND U	5.0	1	04/25/24 05:16	
1,2-Dichloroethane	ND U	5.0	1	04/25/24 05:16	
1,1-Dichloroethene	ND U	5.0	1	04/25/24 05:16	
cis-1,2-Dichloroethene	ND U	5.0	1	04/25/24 05:16	
trans-1,2-Dichloroethene	ND U	5.0	1	04/25/24 05:16	
1,2-Dichloropropane	ND U	5.0	1	04/25/24 05:16	
cis-1,3-Dichloropropene	ND U	5.0	1	04/25/24 05:16	
trans-1,3-Dichloropropene	ND U	5.0	1	04/25/24 05:16	
Ethylbenzene	ND U	5.0	1	04/25/24 05:16	
2-Hexanone	ND U	10	1	04/25/24 05:16	
Methylene Chloride	ND U	5.0	1	04/25/24 05:16	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	04/25/24 05:16	
Styrene	ND U	5.0	1	04/25/24 05:16	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	04/25/24 05:16	
Tetrachloroethene	ND U	5.0	1	04/25/24 05:16	
Toluene	ND U	5.0	1	04/25/24 05:16	
1,1,1-Trichloroethane	ND U	5.0	1	04/25/24 05:16	
1,1,2-Trichloroethane	ND U	5.0	1	04/25/24 05:16	
Trichloroethene	ND U	5.0	1	04/25/24 05:16	
Vinyl Chloride	ND U	5.0	1	04/25/24 05:16	
o-Xylene	ND U	5.0	1	04/25/24 05:16	
m,p-Xylenes	ND U	5.0	1	04/25/24 05:16	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 10:40
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-14	**Units:**	ug/L
Lab Code:	R2403211-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	04/25/24 05:16	
Toluene-d8	100	87 - 121	04/25/24 05:16	
Dibromofluoromethane	95	80 - 116	04/25/24 05:16	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 10:00
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	R2403211-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	04/25/24 05:38	
Benzene	ND U	5.0	1	04/25/24 05:38	
Bromodichloromethane	ND U	5.0	1	04/25/24 05:38	
Bromoform	ND U	5.0	1	04/25/24 05:38	
Bromomethane	ND U	5.0	1	04/25/24 05:38	
2-Butanone (MEK)	ND U	10	1	04/25/24 05:38	
Carbon Disulfide	ND U	10	1	04/25/24 05:38	
Carbon Tetrachloride	ND U	5.0	1	04/25/24 05:38	
Chlorobenzene	ND U	5.0	1	04/25/24 05:38	
Chloroethane	ND U	5.0	1	04/25/24 05:38	
Chloroform	ND U	5.0	1	04/25/24 05:38	
Chloromethane	ND U	5.0	1	04/25/24 05:38	
Dibromochloromethane	ND U	5.0	1	04/25/24 05:38	
1,1-Dichloroethane	ND U	5.0	1	04/25/24 05:38	
1,2-Dichloroethane	ND U	5.0	1	04/25/24 05:38	
1,1-Dichloroethene	ND U	5.0	1	04/25/24 05:38	
cis-1,2-Dichloroethene	ND U	5.0	1	04/25/24 05:38	
trans-1,2-Dichloroethene	ND U	5.0	1	04/25/24 05:38	
1,2-Dichloropropane	ND U	5.0	1	04/25/24 05:38	
cis-1,3-Dichloropropene	ND U	5.0	1	04/25/24 05:38	
trans-1,3-Dichloropropene	ND U	5.0	1	04/25/24 05:38	
Ethylbenzene	ND U	5.0	1	04/25/24 05:38	
2-Hexanone	ND U	10	1	04/25/24 05:38	
Methylene Chloride	ND U	5.0	1	04/25/24 05:38	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	04/25/24 05:38	
Styrene	ND U	5.0	1	04/25/24 05:38	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	04/25/24 05:38	
Tetrachloroethene	ND U	5.0	1	04/25/24 05:38	
Toluene	ND U	5.0	1	04/25/24 05:38	
1,1,1-Trichloroethane	ND U	5.0	1	04/25/24 05:38	
1,1,2-Trichloroethane	ND U	5.0	1	04/25/24 05:38	
Trichloroethene	ND U	5.0	1	04/25/24 05:38	
Vinyl Chloride	ND U	5.0	1	04/25/24 05:38	
o-Xylene	ND U	5.0	1	04/25/24 05:38	
m,p-Xylenes	ND U	5.0	1	04/25/24 05:38	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 10:00
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	R2403211-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	04/25/24 05:38	
Toluene-d8	98	87 - 121	04/25/24 05:38	
Dibromofluoromethane	94	80 - 116	04/25/24 05:38	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 11:15
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-17	**Units:**	ug/L
Lab Code:	R2403211-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	2	04/25/24 07:07	
Benzene	ND U	10	2	04/25/24 07:07	
Bromodichloromethane	ND U	10	2	04/25/24 07:07	
Bromoform	ND U	10	2	04/25/24 07:07	
Bromomethane	ND U	10	2	04/25/24 07:07	
2-Butanone (MEK)	ND U	20	2	04/25/24 07:07	
Carbon Disulfide	ND U	20	2	04/25/24 07:07	
Carbon Tetrachloride	ND U	10	2	04/25/24 07:07	
Chlorobenzene	ND U	10	2	04/25/24 07:07	
Chloroethane	ND U	10	2	04/25/24 07:07	
Chloroform	ND U	10	2	04/25/24 07:07	
Chloromethane	ND U	10	2	04/25/24 07:07	
Dibromochloromethane	ND U	10	2	04/25/24 07:07	
1,1-Dichloroethane	ND U	10	2	04/25/24 07:07	
1,2-Dichloroethane	ND U	10	2	04/25/24 07:07	
1,1-Dichloroethene	ND U	10	2	04/25/24 07:07	
cis-1,2-Dichloroethene	ND U	10	2	04/25/24 07:07	
trans-1,2-Dichloroethene	**17**	10	2	04/25/24 07:07	
1,2-Dichloropropane	ND U	10	2	04/25/24 07:07	
cis-1,3-Dichloropropene	ND U	10	2	04/25/24 07:07	
trans-1,3-Dichloropropene	ND U	10	2	04/25/24 07:07	
Ethylbenzene	ND U	10	2	04/25/24 07:07	
2-Hexanone	ND U	20	2	04/25/24 07:07	
Methylene Chloride	ND U	10	2	04/25/24 07:07	
4-Methyl-2-pentanone (MIBK)	ND U	20	2	04/25/24 07:07	
Styrene	ND U	10	2	04/25/24 07:07	
1,1,2,2-Tetrachloroethane	ND U	10	2	04/25/24 07:07	
Tetrachloroethene	ND U	10	2	04/25/24 07:07	
Toluene	ND U	10	2	04/25/24 07:07	
1,1,1-Trichloroethane	ND U	10	2	04/25/24 07:07	
1,1,2-Trichloroethane	ND U	10	2	04/25/24 07:07	
Trichloroethene	**240**	10	2	04/25/24 07:07	
Vinyl Chloride	ND U	10	2	04/25/24 07:07	
o-Xylene	ND U	10	2	04/25/24 07:07	
m,p-Xylenes	ND U	10	2	04/25/24 07:07	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 11:15
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-17	**Units:**	ug/L
Lab Code:	R2403211-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	04/25/24 07:07	
Toluene-d8	97	87 - 121	04/25/24 07:07	
Dibromofluoromethane	92	80 - 116	04/25/24 07:07	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 09:25
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-18	**Units:**	ug/L
Lab Code:	R2403211-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	04/25/24 06:00	
Benzene	ND U	5.0	1	04/25/24 06:00	
Bromodichloromethane	ND U	5.0	1	04/25/24 06:00	
Bromoform	ND U	5.0	1	04/25/24 06:00	
Bromomethane	ND U	5.0	1	04/25/24 06:00	
2-Butanone (MEK)	ND U	10	1	04/25/24 06:00	
Carbon Disulfide	ND U	10	1	04/25/24 06:00	
Carbon Tetrachloride	ND U	5.0	1	04/25/24 06:00	
Chlorobenzene	ND U	5.0	1	04/25/24 06:00	
Chloroethane	ND U	5.0	1	04/25/24 06:00	
Chloroform	ND U	5.0	1	04/25/24 06:00	
Chloromethane	ND U	5.0	1	04/25/24 06:00	
Dibromochloromethane	ND U	5.0	1	04/25/24 06:00	
1,1-Dichloroethane	ND U	5.0	1	04/25/24 06:00	
1,2-Dichloroethane	ND U	5.0	1	04/25/24 06:00	
1,1-Dichloroethene	ND U	5.0	1	04/25/24 06:00	
cis-1,2-Dichloroethene	ND U	5.0	1	04/25/24 06:00	
trans-1,2-Dichloroethene	ND U	5.0	1	04/25/24 06:00	
1,2-Dichloropropane	ND U	5.0	1	04/25/24 06:00	
cis-1,3-Dichloropropene	ND U	5.0	1	04/25/24 06:00	
trans-1,3-Dichloropropene	ND U	5.0	1	04/25/24 06:00	
Ethylbenzene	ND U	5.0	1	04/25/24 06:00	
2-Hexanone	ND U	10	1	04/25/24 06:00	
Methylene Chloride	ND U	5.0	1	04/25/24 06:00	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	04/25/24 06:00	
Styrene	ND U	5.0	1	04/25/24 06:00	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	04/25/24 06:00	
Tetrachloroethene	ND U	5.0	1	04/25/24 06:00	
Toluene	ND U	5.0	1	04/25/24 06:00	
1,1,1-Trichloroethane	ND U	5.0	1	04/25/24 06:00	
1,1,2-Trichloroethane	ND U	5.0	1	04/25/24 06:00	
Trichloroethene	ND U	5.0	1	04/25/24 06:00	
Vinyl Chloride	ND U	5.0	1	04/25/24 06:00	
o-Xylene	ND U	5.0	1	04/25/24 06:00	
m,p-Xylenes	ND U	5.0	1	04/25/24 06:00	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 09:25
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-18	**Units:**	ug/L
Lab Code:	R2403211-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	04/25/24 06:00	
Toluene-d8	100	87 - 121	04/25/24 06:00	
Dibromofluoromethane	94	80 - 116	04/25/24 06:00	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 09:45
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-19	**Units:**	ug/L
Lab Code:	R2403211-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	04/25/24 06:23	
Benzene	ND U	5.0	1	04/25/24 06:23	
Bromodichloromethane	ND U	5.0	1	04/25/24 06:23	
Bromoform	ND U	5.0	1	04/25/24 06:23	
Bromomethane	ND U	5.0	1	04/25/24 06:23	
2-Butanone (MEK)	ND U	10	1	04/25/24 06:23	
Carbon Disulfide	ND U	10	1	04/25/24 06:23	
Carbon Tetrachloride	ND U	5.0	1	04/25/24 06:23	
Chlorobenzene	ND U	5.0	1	04/25/24 06:23	
Chloroethane	ND U	5.0	1	04/25/24 06:23	
Chloroform	ND U	5.0	1	04/25/24 06:23	
Chloromethane	ND U	5.0	1	04/25/24 06:23	
Dibromochloromethane	ND U	5.0	1	04/25/24 06:23	
1,1-Dichloroethane	ND U	5.0	1	04/25/24 06:23	
1,2-Dichloroethane	ND U	5.0	1	04/25/24 06:23	
1,1-Dichloroethene	ND U	5.0	1	04/25/24 06:23	
cis-1,2-Dichloroethene	ND U	5.0	1	04/25/24 06:23	
trans-1,2-Dichloroethene	ND U	5.0	1	04/25/24 06:23	
1,2-Dichloropropane	ND U	5.0	1	04/25/24 06:23	
cis-1,3-Dichloropropene	ND U	5.0	1	04/25/24 06:23	
trans-1,3-Dichloropropene	ND U	5.0	1	04/25/24 06:23	
Ethylbenzene	ND U	5.0	1	04/25/24 06:23	
2-Hexanone	ND U	10	1	04/25/24 06:23	
Methylene Chloride	ND U	5.0	1	04/25/24 06:23	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	04/25/24 06:23	
Styrene	ND U	5.0	1	04/25/24 06:23	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	04/25/24 06:23	
Tetrachloroethene	ND U	5.0	1	04/25/24 06:23	
Toluene	ND U	5.0	1	04/25/24 06:23	
1,1,1-Trichloroethane	ND U	5.0	1	04/25/24 06:23	
1,1,2-Trichloroethane	ND U	5.0	1	04/25/24 06:23	
Trichloroethene	ND U	5.0	1	04/25/24 06:23	
Vinyl Chloride	ND U	5.0	1	04/25/24 06:23	
o-Xylene	ND U	5.0	1	04/25/24 06:23	
m,p-Xylenes	ND U	5.0	1	04/25/24 06:23	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 09:45
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-19	**Units:**	ug/L
Lab Code:	R2403211-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	04/25/24 06:23	
Toluene-d8	98	87 - 121	04/25/24 06:23	
Dibromofluoromethane	93	80 - 116	04/25/24 06:23	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 12:00
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-20	**Units:**	ug/L
Lab Code:	R2403211-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	04/25/24 06:45	
Benzene	ND U	5.0	1	04/25/24 06:45	
Bromodichloromethane	ND U	5.0	1	04/25/24 06:45	
Bromoform	ND U	5.0	1	04/25/24 06:45	
Bromomethane	ND U	5.0	1	04/25/24 06:45	
2-Butanone (MEK)	ND U	10	1	04/25/24 06:45	
Carbon Disulfide	ND U	10	1	04/25/24 06:45	
Carbon Tetrachloride	ND U	5.0	1	04/25/24 06:45	
Chlorobenzene	ND U	5.0	1	04/25/24 06:45	
Chloroethane	ND U	5.0	1	04/25/24 06:45	
Chloroform	ND U	5.0	1	04/25/24 06:45	
Chloromethane	ND U	5.0	1	04/25/24 06:45	
Dibromochloromethane	ND U	5.0	1	04/25/24 06:45	
1,1-Dichloroethane	ND U	5.0	1	04/25/24 06:45	
1,2-Dichloroethane	ND U	5.0	1	04/25/24 06:45	
1,1-Dichloroethene	ND U	5.0	1	04/25/24 06:45	
cis-1,2-Dichloroethene	ND U	5.0	1	04/25/24 06:45	
trans-1,2-Dichloroethene	ND U	5.0	1	04/25/24 06:45	
1,2-Dichloropropane	ND U	5.0	1	04/25/24 06:45	
cis-1,3-Dichloropropene	ND U	5.0	1	04/25/24 06:45	
trans-1,3-Dichloropropene	ND U	5.0	1	04/25/24 06:45	
Ethylbenzene	ND U	5.0	1	04/25/24 06:45	
2-Hexanone	ND U	10	1	04/25/24 06:45	
Methylene Chloride	ND U	5.0	1	04/25/24 06:45	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	04/25/24 06:45	
Styrene	ND U	5.0	1	04/25/24 06:45	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	04/25/24 06:45	
Tetrachloroethene	ND U	5.0	1	04/25/24 06:45	
Toluene	ND U	5.0	1	04/25/24 06:45	
1,1,1-Trichloroethane	ND U	5.0	1	04/25/24 06:45	
1,1,2-Trichloroethane	ND U	5.0	1	04/25/24 06:45	
Trichloroethene	**100**	5.0	1	04/25/24 06:45	
Vinyl Chloride	ND U	5.0	1	04/25/24 06:45	
o-Xylene	ND U	5.0	1	04/25/24 06:45	
m,p-Xylenes	ND U	5.0	1	04/25/24 06:45	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24 12:00
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	MW-20	**Units:**	ug/L
Lab Code:	R2403211-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	04/25/24 06:45	
Toluene-d8	100	87 - 121	04/25/24 06:45	
Dibromofluoromethane	95	80 - 116	04/25/24 06:45	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2403211-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	04/25/24 03:02	
Benzene	ND U	5.0	1	04/25/24 03:02	
Bromodichloromethane	ND U	5.0	1	04/25/24 03:02	
Bromoform	ND U	5.0	1	04/25/24 03:02	
Bromomethane	ND U	5.0	1	04/25/24 03:02	
2-Butanone (MEK)	ND U	10	1	04/25/24 03:02	
Carbon Disulfide	ND U	10	1	04/25/24 03:02	
Carbon Tetrachloride	ND U	5.0	1	04/25/24 03:02	
Chlorobenzene	ND U	5.0	1	04/25/24 03:02	
Chloroethane	ND U	5.0	1	04/25/24 03:02	
Chloroform	ND U	5.0	1	04/25/24 03:02	
Chloromethane	ND U	5.0	1	04/25/24 03:02	
Dibromochloromethane	ND U	5.0	1	04/25/24 03:02	
1,1-Dichloroethane	ND U	5.0	1	04/25/24 03:02	
1,2-Dichloroethane	ND U	5.0	1	04/25/24 03:02	
1,1-Dichloroethene	ND U	5.0	1	04/25/24 03:02	
cis-1,2-Dichloroethene	ND U	5.0	1	04/25/24 03:02	
trans-1,2-Dichloroethene	ND U	5.0	1	04/25/24 03:02	
1,2-Dichloropropane	ND U	5.0	1	04/25/24 03:02	
cis-1,3-Dichloropropene	ND U	5.0	1	04/25/24 03:02	
trans-1,3-Dichloropropene	ND U	5.0	1	04/25/24 03:02	
Ethylbenzene	ND U	5.0	1	04/25/24 03:02	
2-Hexanone	ND U	10	1	04/25/24 03:02	
Methylene Chloride	ND U	5.0	1	04/25/24 03:02	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	04/25/24 03:02	
Styrene	ND U	5.0	1	04/25/24 03:02	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	04/25/24 03:02	
Tetrachloroethene	ND U	5.0	1	04/25/24 03:02	
Toluene	ND U	5.0	1	04/25/24 03:02	
1,1,1-Trichloroethane	ND U	5.0	1	04/25/24 03:02	
1,1,2-Trichloroethane	ND U	5.0	1	04/25/24 03:02	
Trichloroethene	ND U	5.0	1	04/25/24 03:02	
Vinyl Chloride	ND U	5.0	1	04/25/24 03:02	
o-Xylene	ND U	5.0	1	04/25/24 03:02	
m,p-Xylenes	ND U	5.0	1	04/25/24 03:02	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	04/18/24
Sample Matrix:	Water	**Date Received:**	04/18/24 13:45
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2403211-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	04/25/24 03:02	
Toluene-d8	100	87 - 121	04/25/24 03:02	
Dibromofluoromethane	96	80 - 116	04/25/24 03:02	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: ARCADIS U.S., Inc. (formerly ARCADIS of New York) **Service Request:** R2403211
Project: Crosman/30005202
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Dibromofluoromethane 80 - 116	Toluene-d8 87 - 121
PW-1	R2403211-001	96	96	100
MW-3A	R2403211-002	94	95	100
MW-4	R2403211-003	94	95	100
MW-5	R2403211-004	93	95	100
MW-13	R2403211-005	92	93	98
MW-14	R2403211-006	94	95	100
MW-15	R2403211-007	93	94	98
MW-17	R2403211-008	92	92	97
MW-18	R2403211-009	93	94	100
MW-19	R2403211-010	93	93	98
MW-20	R2403211-011	94	95	100
Trip Blank	R2403211-012	94	96	100
Lab Control Sample	RQ2404339-03	100	102	102
Duplicate Lab Control Sample	RQ2404339-04	99	99	101
Method Blank	RQ2404339-05	94	95	99

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2404339-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	04/25/24 00:04	
Benzene	ND U	5.0	1	04/25/24 00:04	
Bromodichloromethane	ND U	5.0	1	04/25/24 00:04	
Bromoform	ND U	5.0	1	04/25/24 00:04	
Bromomethane	ND U	5.0	1	04/25/24 00:04	
2-Butanone (MEK)	ND U	10	1	04/25/24 00:04	
Carbon Disulfide	ND U	10	1	04/25/24 00:04	
Carbon Tetrachloride	ND U	5.0	1	04/25/24 00:04	
Chlorobenzene	ND U	5.0	1	04/25/24 00:04	
Chloroethane	ND U	5.0	1	04/25/24 00:04	
Chloroform	ND U	5.0	1	04/25/24 00:04	
Chloromethane	ND U	5.0	1	04/25/24 00:04	
Dibromochloromethane	ND U	5.0	1	04/25/24 00:04	
1,1-Dichloroethane	ND U	5.0	1	04/25/24 00:04	
1,2-Dichloroethane	ND U	5.0	1	04/25/24 00:04	
1,1-Dichloroethene	ND U	5.0	1	04/25/24 00:04	
cis-1,2-Dichloroethene	ND U	5.0	1	04/25/24 00:04	
trans-1,2-Dichloroethene	ND U	5.0	1	04/25/24 00:04	
1,2-Dichloropropane	ND U	5.0	1	04/25/24 00:04	
cis-1,3-Dichloropropene	ND U	5.0	1	04/25/24 00:04	
trans-1,3-Dichloropropene	ND U	5.0	1	04/25/24 00:04	
Ethylbenzene	ND U	5.0	1	04/25/24 00:04	
2-Hexanone	ND U	10	1	04/25/24 00:04	
Methylene Chloride	ND U	5.0	1	04/25/24 00:04	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	04/25/24 00:04	
Styrene	ND U	5.0	1	04/25/24 00:04	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	04/25/24 00:04	
Tetrachloroethene	ND U	5.0	1	04/25/24 00:04	
Toluene	ND U	5.0	1	04/25/24 00:04	
1,1,1-Trichloroethane	ND U	5.0	1	04/25/24 00:04	
1,1,2-Trichloroethane	ND U	5.0	1	04/25/24 00:04	
Trichloroethene	ND U	5.0	1	04/25/24 00:04	
Vinyl Chloride	ND U	5.0	1	04/25/24 00:04	
o-Xylene	ND U	5.0	1	04/25/24 00:04	
m,p-Xylenes	ND U	5.0	1	04/25/24 00:04	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2403211
Project:	Crosman/30005202	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2404339-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	04/25/24 00:04	
Toluene-d8	99	87 - 121	04/25/24 00:04	
Dibromofluoromethane	95	80 - 116	04/25/24 00:04	

Client: ARCADIS U.S., Inc. (formerly ARCADIS of New York) **Service Request:** R2403211
Project: Crosman/30005202 **Date Analyzed:** 04/24/24
Sample Matrix: Water

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2404339-03			RQ2404339-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Acetone	8260C	20.0	20.0	100	19.7	20.0	99	40-161	1	30
Benzene	8260C	21.4	20.0	107	20.7	20.0	104	79-119	3	30
Bromodichloromethane	8260C	19.6	20.0	98	18.5	20.0	93	81-123	6	30
Bromoform	8260C	17.8	20.0	89	16.9	20.0	84	65-146	5	30
Bromomethane	8260C	12.8	20.0	64	12.1	20.0	61	42-166	6	30
2-Butanone (MEK)	8260C	17.3	20.0	86	18.3	20.0	92	61-137	6	30
Carbon Disulfide	8260C	16.4	20.0	82	15.6	20.0	78	66-128	5	30
Carbon Tetrachloride	8260C	16.9	20.0	85	16.2	20.0	81	70-127	4	30
Chlorobenzene	8260C	20.6	20.0	103	19.5	20.0	98	80-121	6	30
Chloroethane	8260C	14.4	20.0	72	14.2	20.0	71	62-131	1	30
Chloroform	8260C	21.6	20.0	108	20.8	20.0	104	79-120	4	30
Chloromethane	8260C	20.5	20.0	102	19.4	20.0	97	72-179	5	30
Dibromochloromethane	8260C	18.3	20.0	92	17.4	20.0	87	72-128	5	30
1,1-Dichloroethane	8260C	21.3	20.0	107	20.6	20.0	103	80-124	3	30
1,2-Dichloroethane	8260C	21.3	20.0	107	20.7	20.0	103	71-127	3	30
1,1-Dichloroethene	8260C	19.5	20.0	98	19.0	20.0	95	69-142	3	30
cis-1,2-Dichloroethene	8260C	21.3	20.0	107	20.0	20.0	100	80-121	6	30
trans-1,2-Dichloroethene	8260C	19.9	20.0	99	18.5	20.0	92	73-118	7	30
1,2-Dichloropropane	8260C	20.8	20.0	104	19.7	20.0	99	80-119	6	30
cis-1,3-Dichloropropene	8260C	17.9	20.0	89	16.8	20.0	84	77-122	6	30
trans-1,3-Dichloropropene	8260C	15.9	20.0	80	15.1	20.0	75	71-133	6	30
Ethylbenzene	8260C	21.0	20.0	105	20.0	20.0	100	76-120	5	30
2-Hexanone	8260C	18.2	20.0	91	17.9	20.0	89	63-124	2	30
Methylene Chloride	8260C	20.6	20.0	103	19.7	20.0	98	73-122	4	30
4-Methyl-2-pentanone (MIBK)	8260C	18.2	20.0	91	17.6	20.0	88	66-124	3	30
Styrene	8260C	21.3	20.0	106	20.3	20.0	102	80-124	5	30
1,1,2,2-Tetrachloroethane	8260C	20.3	20.0	101	19.5	20.0	98	78-126	4	30
Tetrachloroethene	8260C	19.1	20.0	96	19.0	20.0	95	72-125	<1	30
Toluene	8260C	21.7	20.0	109	20.7	20.0	104	79-119	5	30
1,1,1-Trichloroethane	8260C	19.2	20.0	96	18.6	20.0	93	75-125	3	30
1,1,2-Trichloroethane	8260C	20.5	20.0	102	19.9	20.0	99	82-121	3	30
Trichloroethene	8260C	19.4	20.0	97	18.9	20.0	94	74-122	3	30
Vinyl Chloride	8260C	17.4	20.0	87	17.1	20.0	85	74-159	2	30

Client: ARCADIS U.S., Inc. (formerly ARCADIS of New York)
Project: Crosman/30005202
Sample Matrix: Water

Service Request: R2403211
Date Analyzed: 04/24/24

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2404339-03			RQ2404339-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
o-Xylene	8260C	21.0	20.0	105	20.6	20.0	103	79-123	2	30
m,p-Xylenes	8260C	42.7	40.0	107	40.2	40.0	100	80-126	6	30

Appendix G

Discharge Monitoring Reports

7629 Routes 5 and 20; Bloomfield, NY 14469 (585)-657-6161

June 22, 2023

Ms. Michele L. Vincent
Environmental Engineer, Water Division
NYS DEC, Region 8
6274 East Avon-Lima Rd.
Avon, New York 14414

RE: Discharge Monitoring Report, SPDES Permit # NY-0103039, Outfall Number 001

Dear Ms. Vincent:

On behalf of Crosman Corporation, enclosed is the Discharge Monitoring Report for the month of July 2023 (6 01 23 to 6 30 23). The table below summarizes the sampling dates and the analytical results for the month. Please see the attached report for the periodic test results of TTO and Cn, if performed during the month.

Date	Time	Temp (F)	Flow GPM	pH	Turbidity	TCE ug/L
6/14/23	6:45 AM	48	37	8.06	22.6	ND<2.00
LIMITS:		90°F Daily Max	Monitor	6.0 – 9.0		10 ppb action level

NA = No Analysis

I certify that the above results were obtained by approved sampling and analytical procedures, are representative of normal discharge conditions, and comply with all permit limits.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or need additional information, please contact me at (585) 657-3120.

Sincerely,

Gina D. Thomas, CHMM
EHS Director
Crosman Corporation

Enclosures

CC: Mr. Joshua Ramsey, NYS DEC, Region 8
Mr. Aaron Richardson, ARCADIS of NY, Inc.

7629 Routes 5 and 20; Bloomfield, NY 14469 (585)-657-6161

August 3, 2023

Ms. Michele L. Vincent
Environmental Engineer, Water Division
NYS DEC, Region 8
6274 East Avon-Lima Rd.
Avon, New York 14414

RE: Discharge Monitoring Report, SPDES Permit # NY-0103039, Outfall Number 001

Dear Ms. Vincent:

On behalf of Crosman Corporation, enclosed is the Discharge Monitoring Report for the month of August 2023 (7 01 23 to 7 31 23). The table below summarizes the sampling dates and the analytical results for the month. Please see the attached report for the periodic test results of TTO and Cn, if performed during the month.

Date	Time	Temp (F)	Flow GPM	pH	Turbidity	TCE ug/L
7/26/23	6:22 AM	55	12	7.91	20.7	ND<2.00
LIMITS:		90°F Daily Max	Monitor	6.0 – 9.0		10 ppb action level

NA = No Analysis

I certify that the above results were obtained by approved sampling and analytical procedures, are representative of normal discharge conditions, and comply with all permit limits.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or need additional information, please contact me at (585) 657-3120.

Sincerely,

Gina D. Thomas, CHMM
EHS Director
Crosman Corporation

Enclosures

CC: Mr. Joshua Ramsey, NYS DEC, Region 8
Mr. Aaron Richardson, ARCADIS of NY, Inc.

VELOCITY OUTDOOR

7629 Routes 5 and 20; Bloomfield, NY 14469 (585)-657-6161

August 24, 2023

Ms. Michele L. Vincent
Environmental Engineer, Water Division
NYS DEC, Region 8
6274 East Avon-Lima Rd.
Avon, New York 14414

RE: Discharge Monitoring Report, SPDES Permit # NY-0103039, Outfall Number 001

Dear Ms. Vincent:

On behalf of Crosman Corporation, enclosed is the Discharge Monitoring Report for the month of July 2023 (6 01 23 to 6 30 23). The table below summarizes the sampling dates and the analytical results for the month. Please see the attached report for the periodic test results of TTO and Cn, if performed during the month.

Date	Time	Temp (F)	Flow GPM	pH	Turbidity	TCE ug/L
8/22/23	7:14 AM	55	204	8.11	22.6	ND<2.00
LIMITS:		90°F Daily Max	Monitor	6.0 – 9.0		10 ppb action level

NA = No Analysis

I certify that the above results were obtained by approved sampling and analytical procedures, are representative of normal discharge conditions, and comply with all permit limits.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or need additional information, please contact me at (585) 657-3120.

Sincerely,

Gina D. Thomas, CHMM
EHS Director
Crosman Corporation

Enclosures

CC: Mr. Joshua Ramsey, NYS DEC, Region 8
Mr. Aaron Richardson, ARCADIS of NY, Inc.

7629 Routes 5 and 20; Bloomfield, NY 14469 (585)-657-6161

September 21, 2023

Ms. Michele L. Vincent
Environmental Engineer, Water Division
NYS DEC, Region 8
6274 East Avon-Lima Rd.
Avon, New York 14414

RE: Discharge Monitoring Report, SPDES Permit # NY-0103039, Outfall Number 001

Dear Ms. Vincent:

On behalf of Crosman Corporation, enclosed is the Discharge Monitoring Report for the month of October 2023 (9 01 23 to 9 30 23). The table below summarizes the sampling dates and the analytical results for the month. Please see the attached report for the periodic test results of TTO and Cn, if performed during the month.

Date	Time	Temp (F)	Flow GPM	pH	Turbidity	TCE ug/L
9/13/23	6:13 AM	52	17	7.91	33.3	ND<2.00
LIMITS:		90°F Daily Max	Monitor	6.0 – 9.0		10 ppb action level

NA = No Analysis

I certify that the above results were obtained by approved sampling and analytical procedures, are representative of normal discharge conditions, and comply with all permit limits.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or need additional information, please contact me at (585) 657-3120.

Sincerely,

Gina D. Thomas, CHMM
EHS Director
Crosman Corporation

Enclosures

CC: Mr. Joshua Ramsey, NYS DEC, Region 8
Mr. Aaron Richardson, ARCADIS of NY, Inc.

7629 Routes 5 and 20; Bloomfield, NY 14469 (585)-657-6161

October 23, 2023

Ms. Michele L. Vincent
Environmental Engineer, Water Division
NYS DEC, Region 8
6274 East Avon-Lima Rd.
Avon, New York 14414

RE: Discharge Monitoring Report, SPDES Permit # NY-0103039, Outfall Number 001

Dear Ms. Vincent:

On behalf of Crosman Corporation, enclosed is the Discharge Monitoring Report for the month of November 2023 (10 01 23 to 10 31 23). The table below summarizes the sampling dates and the analytical results for the month. Please see the attached report for the periodic test results of TTO and Cn, if performed during the month.

Date	Time	Temp (F)	Flow GPM	pH	Turbidity	TCE ug/L
10/11/23	6:25 AM	45	12	7.85	11.5	ND<2.00
LIMITS:		90°F Daily Max	Monitor	6.0 – 9.0		10 ppb action level

NA = No Analysis

I certify that the above results were obtained by approved sampling and analytical procedures, are representative of normal discharge conditions, and comply with all permit limits.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or need additional information, please contact me at (585) 657-3120.

Sincerely,

Gina D. Thomas, CHMM
EHS Director
Crosman Corporation

Enclosures

CC: Mr. Joshua Ramsey, NYS DEC, Region 8
Mr. Aaron Richardson, ARCADIS of NY, Inc.

VELOCITY OUTDOOR

7629 Routes 5 and 20; Bloomfield, NY 14469 (585)-657-6161

November 28, 2023

Ms. Michele L. Vincent
Environmental Engineer, Water Division
NYS DEC, Region 8
6274 East Avon-Lima Rd.
Avon, New York 14414

RE: Discharge Monitoring Report, SPDES Permit # NY-0103039, Outfall Number 001

Dear Ms. Vincent:

On behalf of Crosman Corporation, enclosed is the Discharge Monitoring Report for the month of December 2023 (11 01 23 to 11 30 23). The table below summarizes the sampling dates and the analytical results for the month. Please see the attached report for the periodic test results of TTO and Cn, if performed during the month.

Date	Time	Temp (F)	Flow GPM	pH	Turbidity	TCE ug/L
11/15/23	7:08 AM	35	9	8.03	4.38	ND<2.00
LIMITS:		90°F Daily Max	Monitor	6.0 – 9.0		10 ppb action level

NA = No Analysis

I certify that the above results were obtained by approved sampling and analytical procedures, are representative of normal discharge conditions, and comply with all permit limits.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or need additional information, please contact me at (585) 657-3120.

Sincerely,

Gina D. Thomas, CHMM
EHS Director
Crosman Corporation

Enclosures

CC: Mr. Joshua Ramsey, NYS DEC, Region 8
Mr. Aaron Richardson, ARCADIS of NY, Inc.

VELOCITY OUTDOOR

7629 Routes 5 and 20; Bloomfield, NY 14469 (585)-657-6161

December 20, 2023

Ms. Michele L. Vincent
Environmental Engineer, Water Division
NYS DEC, Region 8
6274 East Avon-Lima Rd.
Avon, New York 14414

RE: Discharge Monitoring Report, SPDES Permit # NY-0103039, Outfall Number 001

Dear Ms. Vincent:

On behalf of Crosman Corporation, enclosed is the Discharge Monitoring Report for the month of January 2024 (12 01 23 to 12 31 23). The table below summarizes the sampling dates and the analytical results for the month. Please see the attached report for the periodic test results of TTO and Cn, if performed during the month.

Date	Time	Temp (F)	Flow GPM	pH	Turbidity	TCE ug/L
12/13/23	6:50 AM	30	9	8.09	1.64	ND<2.00
LIMITS:		90°F Daily Max	Monitor	6.0 – 9.0		10 ppb action level

NA = No Analysis

I certify that the above results were obtained by approved sampling and analytical procedures, are representative of normal discharge conditions, and comply with all permit limits.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or need additional information, please contact me at (585) 657-3120.

Sincerely,

Gina D. Thomas, CHMM
EHS Director
Crosman Corporation

Enclosures

CC: Mr. Todd Caffoe, P.E., NYS DEC, Region 8
Mr. Aaron Richardson, ARCADIS of NY, Inc.

VELOCITY OUTDOOR

7629 Routes 5 and 20; Bloomfield, NY 14469 (585)-657-6161

January 24, 2024

Ms. Michele L. Vincent
Environmental Engineer, Water Division
NYS DEC, Region 8
6274 East Avon-Lima Rd.
Avon, New York 14414

RE: Discharge Monitoring Report, SPDES Permit # NY-0103039, Outfall Number 001

Dear Ms. Vincent:

On behalf of Crosman Corporation, enclosed is the Discharge Monitoring Report for the month of February 2024 (1 01 24 to 1 31 24). The table below summarizes the sampling dates and the analytical results for the month. Please see the attached report for the periodic test results of TTO and Cn, if performed during the month.

Date	Time	Temp (F)	Flow GPM	pH	Turbidity	TCE ug/L
1/17/24	7:09 AM	20	12	7.95	2.40	ND<2.00
LIMITS:		90°F Daily Max	Monitor	6.0 – 9.0		10 ppb action level

NA = No Analysis

I certify that the above results were obtained by approved sampling and analytical procedures, are representative of normal discharge conditions, and comply with all permit limits.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or need additional information, please contact me at (585) 657-3120.

Sincerely,

Gina D. Thomas, CHMM
EHS Director
Crosman Corporation

Enclosures

CC: Mr. Jashua Ramsey NYS DEC, Region 8
Mr. Aaron Richardson, ARCADIS of NY, Inc.

VELOCITY OUTDOOR

7629 Routes 5 and 20; Bloomfield, NY 14469 (585)-657-6161

February 27, 2024

Ms. Michele L. Vincent
Environmental Engineer, Water Division
NYS DEC, Region 8
6274 East Avon-Lima Rd.
Avon, New York 14414

RE: Discharge Monitoring Report, SPDES Permit # NY-0103039, Outfall Number 001

Dear Ms. Vincent:

On behalf of Crosman Corporation, enclosed is the Discharge Monitoring Report for the month of March 2024 (2 01 24 to 2 29 24). The table below summarizes the sampling dates and the analytical results for the month. Please see the attached report for the periodic test results of TTO and Cn, if performed during the month.

Date	Time	Temp (F)	Flow GPM	pH	Turbidity	TCE ug/L
2/14/24	7:29 AM	42	12	8.03	2.62	ND<2.00
LIMITS:		90°F Daily Max	Monitor	6.0 – 9.0		10 ppb action level

NA = No Analysis

I certify that the above results were obtained by approved sampling and analytical procedures, are representative of normal discharge conditions, and comply with all permit limits.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or need additional information, please contact me at (585) 657-3120.

Sincerely,

Gina D. Thomas, CHMM
EHS Director
Crosman Corporation

Enclosures

CC: Mr. Jashua Ramsey NYS DEC, Region 8
Mr. Aaron Richardson, ARCADIS of NY, Inc.

VELOCITY OUTDOOR

7629 Routes 5 and 20; Bloomfield, NY 14469 (585)-657-6161

March 21, 2024

Ms. Michele L. Vincent
Environmental Engineer, Water Division
NYS DEC, Region 8
6274 East Avon-Lima Rd.
Avon, New York 14414

RE: Discharge Monitoring Report, SPDES Permit # NY-0103039, Outfall Number 001

Dear Ms. Vincent:

On behalf of Crosman Corporation, enclosed is the Discharge Monitoring Report for the month of April 2024 (3 01 24 to 3 31 24). The table below summarizes the sampling dates and the analytical results for the month. Please see the attached report for the periodic test results of TTO and Cn, if performed during the month.

Date	Time	Temp (F)	Flow GPM	pH	Turbidity	TCE ug/L
3/13/24	8:16 AM	50	12	8.16	2.62	ND<2.00
LIMITS:		90°F Daily Max	Monitor	6.0 – 9.0		10 ppb action level

NA = No Analysis

I certify that the above results were obtained by approved sampling and analytical procedures, are representative of normal discharge conditions, and comply with all permit limits.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or need additional information, please contact me at (585) 657-3120.

Sincerely,

Gina D. Thomas, CHMM
EHS Director
Crosman Corporation

Enclosures

CC: Mr. Jashua Ramsey NYS DEC, Region 8
Mr. Aaron Richardson, ARCADIS of NY, Inc.

VELOCITY OUTDOOR

7629 Routes 5 and 20; Bloomfield, NY 14469 (585)-657-6161

April 23, 2024

Ms. Michele L. Vincent
Environmental Engineer, Water Division
NYS DEC, Region 8
6274 East Avon-Lima Rd.
Avon, New York 14414

RE: Discharge Monitoring Report, SPDES Permit # NY-0103039, Outfall Number 001

Dear Ms. Vincent:

On behalf of Crosman Corporation, enclosed is the Discharge Monitoring Report for the month of May 2024 (4 01 24 to 4 30 24). The table below summarizes the sampling dates and the analytical results for the month. Please see the attached report for the periodic test results of TTO and Cn, if performed during the month.

Date	Time	Temp (F)	Flow GPM	pH	Turbidity	TCE ug/L
4/10/24	7:02 AM	55	12	8.15	5.98	ND<2.00
LIMITS:		90°F Daily Max	Monitor	6.0 – 9.0		10 ppb action level

NA = No Analysis

I certify that the above results were obtained by approved sampling and analytical procedures, are representative of normal discharge conditions, and comply with all permit limits.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or need additional information, please contact me at (585) 657-3120.

Sincerely,

Gina D. Thomas, CHMM
EHS Director
Crosman Corporation

Enclosures

CC: Mr. Jashua Ramsey NYS DEC, Region 8
Mr. Aaron Richardson, ARCADIS of NY, Inc.

7629 Routes 5 and 20; Bloomfield, NY 14469 (585)-657-6161

May 15, 2024

Ms. Michele L. Vincent
Environmental Engineer, Water Division
NYS DEC, Region 8
6274 East Avon-Lima Rd.
Avon, New York 14414

RE: Discharge Monitoring Report, SPDES Permit # NY-0103039, Outfall Number 001

Dear Ms. Vincent:

On behalf of Crosman Corporation, enclosed is the Discharge Monitoring Report for the month of June 2024 (5 01 24 to 5 31 24). The table below summarizes the sampling dates and the analytical results for the month. Please see the attached report for the periodic test results of TTO and Cn, if performed during the month.

Date	Time	Temp (F)	Flow GPM	pH	Turbidity	TCE ug/L
5/8/24	6:55 AM	62	24	8.27	1.63	ND<2.00
LIMITS:		90°F Daily Max	Monitor	6.0 – 9.0		10 ppb action level

NA = No Analysis

I certify that the above results were obtained by approved sampling and analytical procedures, are representative of normal discharge conditions, and comply with all permit limits.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or need additional information, please contact me at (585) 657-3120.

Sincerely,

Gina D. Thomas, CHMM
EHS Director
Crosman Corporation

Enclosures

CC: Mr. Jashua Ramsey NYS DEC, Region 8
Mr. Aaron Richardson, ARCADIS of NY, Inc.

Appendix H

Institutional and 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. 835012

Site Name Crosman Corp. (formerly Crosman Arms)

Site Address: 7629 Routes 5 & Route 20 Zip Code: 14469
City/Town: Bloomfield
County: Ontario
Site Acreage: 49.684

Reporting Period: June 15, 2023 to June 15, 2024

	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? 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

SITE NO. 835012 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
80.00-1-4.00	Crosman Corporation	Landuse Restriction Ground Water Use Restriction Monitoring Plan Site Management Plan O&M Plan Soil Management Plan IC/EC Plan

Groundwater use as a potable source is restricted
Land use is restricted to commercial or industrial
A Site Management Plan is in place which includes a groundwater monitoring plan, an O&M plan for the SSDS, an excavation work plan, and provisions for periodic certification.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
80.00-1-4.00	Vapor Mitigation Groundwater Containment

Continued Operation and monitoring of sub-slab depressurization system
Continued operation of pumping well used for non-contact cooling water within the facility

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. 835012

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 Aaron Richardson (print name) at Arcadis, 100 Chestnut Street, Rochester, NY (print business address),

am certifying as (Designated Representative of) Remedial Party (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

July 5, 2024
Date

EC CERTIFICATIONS

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 Joseph Molina III at Arcadis, 100 Chestnut Street, Rochester, NY,
print name print business address

am certifying as a Qualified Environmental Professional for the (Designated Representative of) Remedial Party
(Owner or Remedial Party)

Joseph Molina III

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

Stamp (Required for PE)

July 5, 2024

Date

Arcadis of New York, Inc.
100 Chestnut Street, Suite 1020
Rochester
New York 14604
Phone: 585 385 0090
Fax: 585 546 1973
www.arcadis.com