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

Mr. Joshua Ramsey
New York State Department of Environmental Conservation
6274 Avon-Lima Road
Avon, New York 14414-9519

Date: November 13, 2023
Our Ref: 30005202
Subject: Semiannual Groundwater Monitoring and Reporting
Crossman 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. (Arcadis) has prepared this letter report to update the New York State Department of Environmental Conservation (NYSDEC) on the results of the semiannual groundwater sampling event conducted in October 2023 at the Crosman site, located in East Bloomfield, New York (site).

The groundwater monitoring program at the site was performed as detailed in the Monitoring and Sampling Plan within the April 2021 Site Management Plan (SMP), which the NYSDEC approved in a letter dated August 2, 2021. The groundwater monitoring program includes semiannual sampling of monitoring wells PW-1, MW-4, MW-5, MW-13, MW-14, and MW-15 (conducted in April and October) and annual sampling of monitoring wells MW-3A, MW-17, MW-18, MW-19, and MW-20 (conducted in April).

Groundwater Monitoring

On October 13, 2023, Arcadis collected water-level measurements at all site wells, then collected groundwater quality samples and field parameters from monitoring wells PW-1, MW-4, MW-5, MW-13, MW-14, and MW-15. The groundwater sample at PW-1 was collected from a sample port in the well vault, and the remaining groundwater samples were collected from the deployed passive diffusion bag samplers. Table 1 presents the site-wide water-level measurements, and Attachment 1 presents the field-measured groundwater parameters. Figure 1 represents the groundwater elevation contour map for the October 2023 groundwater sampling event.

ALS Environmental laboratory in Rochester, New York analyzed the groundwater quality samples for volatile organic compounds by United States Environmental Protection Agency Method 8260. Table 2 presents the laboratory analytical results for this event, as well as for the previous sampling events (past 10 years to present). Attachment 2 provides the laboratory report documenting the practical quantitation limits and dilution factors.

Analytical data from October 2023 reflects little change in levels of trichloroethene (TCE); overall changes observed at select wells are consistent with historical fluctuations. In addition, monitoring wells located at the perimeter of the contaminant plume continue to show that the plume is not migrating offsite. Below is a summary of the findings, which are consistent with historical trends and fluctuations:

- A continued non-detectable concentration in monitoring wells MW-4, MW-5, and MW-15.
- A slight increase in concentration in production well PW-1 – from 19 parts per billion (ppb) in April 2023 to 55 ppb in October 2023.

- A slight increase in concentration in monitoring well MW-13 – from 96 ppb in October 2022 to 130 ppb in October 2023.
- A slight increase in concentration in monitoring well MW-14 – from a non-detectable concentration in April 2023 to 9.9 ppb in October 2023.

Figure 2 provides a map depicting TCE concentrations in groundwater over time (past 10 years to present). For clarity purposes, only data for the groundwater monitoring wells included in the present monitoring program are shown on this figure.

The TCE concentration in the effluent from the cooling pond also remains below the State Pollutant Discharge Elimination System permitted level of 10 ppb.

The electronic data deliverable will be submitted electronically in accordance with NYSDEC guidelines.

Pump Well Operations

Groundwater elevation contours (Figure 1) for the October 2023 groundwater monitoring event show that production well PW-1 continues to influence and capture groundwater flow, thereby maintaining hydraulic control of the site.

In addition, these groundwater monitoring results continue to demonstrate that the state's water quality standard of 5 ppb for TCE is being achieved at the limits of the area of concern to the extent practicable. Therefore, the remedial action objectives originally set forth in the NYSDEC's March 26, 1997 Record of Decision, and restated in the SMP, continue to be achieved. Furthermore, the routine operation of production well PW-1 for manufacturing purposes continues to control the TCE plume onsite; therefore, adding PW-1 operation as an engineering control is not warranted at this time.

The monitoring data presented herein continues to demonstrate a long history of stable contaminant concentrations in groundwater. Therefore, it is recommended that groundwater sampling frequency be reduced from semi-annually to annually, with sampling 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. The next groundwater sampling event is tentatively scheduled for the second week of April 2023. As in the past, upon receipt and review of the analytical data, a report will be prepared and submitted to the NYSDEC.

If you should have any questions, feel free to contact me at 585.662.4022.

Sincerely,
Arcadis of New York, Inc.

William B. Popham
Senior Vice President

Email: william.popham@arcadis.com
Direct Line: 585.662.4022

CC. Justin Deming, New York State Department of Health
David Pratt, New York State Department of Environmental Conservation
Charlotte Theobald, New York State Department of Environmental Conservation
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, Crossman Corporation
Aaron D. Richardson, Arcadis of New York, Inc.

Enclosures:
Tables
Figures
Attachments

Tables

Table 1
Groundwater Elevation Data
Semiannual Groundwater Monitoring and Reporting
Crosman Site
East Bloomfield, New York

Location I.D.	T.O.R. Reference Elevation **	April 9, 2014		October 29, 2014		April 22, 2015		October 21, 2015		April 18, 2016	
		Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation
MW-1	1053.97	6.67	1047.30	13.33	1040.64	6.30	1047.67	12.89	1041.08	8.41	1045.56
MW-1A	1053.86	24.35	1029.51	24.55	1029.31	24.75	1029.11	71.11	982.75	NR	---
MW-2	1020.06	50.45	969.61	50.14	969.92	48.75	971.31	49.75	970.31	49.25	970.81
MW-3	1020.21	25.57	994.64	27.77	992.44	26.63	993.58	27.74	992.47	28.29	991.92
MW-3A	1016.98	50.49	969.22	49.53	970.18	48.71	971.00	49.40	970.31	49.12	970.59
MW-4	978.46	14.79	963.67	20.45	958.01	15.70	962.76	21.55	956.91	17.94	960.52
MW-5	980.91	14.74	966.17	17.19	963.72	14.29	966.62	16.80	964.11	15.70	965.21
MW-6	1017.85	48.20	969.65	47.69	970.16	46.09	971.76	47.16	970.69	46.59	971.26
MW-7	981.19	14.72	966.47	17.71	963.48	14.59	966.60	18.18	963.01	14.15	967.04
MW-8	1027.75	51.23	976.52	49.26	978.49	49.05	978.70	48.61	979.14	49.18	978.57
MW-9	1028.02	54.82	973.20	52.75	975.27	52.59	975.43	51.95	976.07	52.75	975.27
MW-10	1025.68	54.74	970.94	53.33	972.35	52.60	973.08	52.75	972.93	52.93	972.75
MW-11	1018.46	54.55	963.91	54.63	963.83	53.31	965.15	54.43	964.03	54.09	964.37
MW-12	985.18	20.69	963.14	26.11	957.72	21.52	962.31	27.70	956.13	23.82	960.01
MW-13	998.94	31.33	967.61	32.63	966.31	21.33	977.61	28.11	970.83	31.35	967.59
MW-14	1023.58	56.54	967.04	57.14	966.44	55.11	968.47	57.08	966.50	56.00	967.58
MW-15	973.61	12.30	961.31	15.32	958.29	10.59	963.02	15.60	958.01	13.54	960.07
MW-16	1028.80	56.81	971.99	55.14	973.66	54.56	974.24	54.45	974.35	54.80	974.00
MW-17	1025.86	51.92	973.94	50.00	975.86	50.21	975.65	49.55	976.31	50.27	975.59
MW-18	1004.65	13.77	990.88	35.34	969.31	NR	---	34.58	970.07	34.62	970.03
MW-19	981.95	15.45	966.50	22.59	959.36	16.73	965.22	23.29	958.66	20.16	961.79
MW-20 (1)	1027.56	54.44	973.12	52.55	975.01	52.24	975.32	51.71	975.85	52.48	975.08
MW-21	1027.97	--	---	60.87	---	50.71	---	50.91	---	54.15	---
PZ-1	1026.28	53.93	972.35	51.95	974.33	NR	---	51.33	974.95	51.93	974.35
PZ-2	1026.75	56.45	970.30	55.34	971.41	54.45	972.30	54.93	971.82	54.84	971.91
PZ-3	980.30	17.51	962.79	23.19	957.11	18.05	962.25	24.60	955.70	20.70	959.60
PW-1	975.57	12.57	963.00	18.35	957.22	12.68	962.89	19.72	955.85	15.63	959.94

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Table 1
Groundwater Elevation Data
Semiannual Groundwater Monitoring and Reporting
Crosman Site
East Bloomfield, New York

Location I.D.	T.O.R. Reference Elevation **	October 26, 2016		April 19, 2017		October 17, 2017		April 3, 2018		October 26, 2018	
		Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation
MW-1	1053.97	19.50	1034.47	6.97	1047.00	12.71	1041.26	5.59	1048.38	11.52	1042.45
MW-1A	1053.86	NR	---	NR	---	NR	---	NR	---	69.89	983.97
MW-2	1020.06	52.78	967.28	50.25	969.81	48.31	971.75	46.36	973.70	48.68	971.38
MW-3	1020.21	26.39	993.82	26.71	993.50	27.09	993.12	26.33	993.88	28.31	991.90
MW-3A	1016.98	52.07	967.64	50.37	969.34	47.82	971.89	46.14	973.57	47.83	971.88
MW-4	978.46	23.47	954.99	14.80	963.66	14.96	963.50	12.90	965.56	17.24	961.22
MW-5	980.91	20.03	960.88	14.42	966.49	16.00	964.91	11.57	969.34	15.29	965.62
MW-6	1017.85	50.28	967.57	47.56	970.29	45.89	971.96	43.82	974.03	46.22	971.63
MW-7	981.19	20.51	960.68	14.35	966.84	15.05	966.14	11.50	969.69	15.90	965.29
MW-8	1027.75	51.02	976.73	51.24	976.51	48.28	979.47	46.80	980.95	47.54	980.21
MW-9	1028.02	55.78	972.24	54.93	973.09	51.86	976.16	50.74	977.28	51.25	976.77
MW-10	1025.68	55.60	970.08	NR	---	52.08	973.60	50.58	975.10	NR	---
MW-11	1018.46	56.73	961.73	54.48	963.98	53.11	965.35	51.33	967.13	52.93	965.53
MW-12	985.18	29.69	954.14	20.88	962.95	19.72	964.11	19.00	964.83	22.75	961.08
MW-13	998.94	35.45	963.49	31.05	967.89	30.20	968.74	27.70	971.24	30.98	967.96
MW-14	1023.58	59.86	963.72	56.03	967.55	54.95	968.63	52.66	970.92	55.55	968.03
MW-15	973.61	17.60	956.01	13.23	960.38	13.12	960.49	9.25	964.36	13.54	960.07
MW-16	1028.80	57.42	971.38	56.84	971.96	53.93	974.87	52.47	976.33	53.80	975.00
MW-17	1025.86	51.44	974.42	52.25	973.61	49.65	976.21	48.53	977.33	48.43	977.43
MW-18	1004.65	38.28	966.37	34.64	970.01	34.27	970.38	31.69	972.96	33.86	970.79
MW-19	981.95	26.32	955.63	14.88	967.07	19.51	962.44	14.70	967.25	20.00	961.95
MW-20 (1)	1027.56	54.28	973.28	54.85	972.71	51.61	975.95	50.44	977.12	51.02	976.54
MW-21	1027.97	54.35	---	54.45	---	51.80	---	50.59	---	51.13	976.84
PZ-1	1026.28	53.92	972.36	53.93	972.35	50.91	975.37	49.78	976.50	50.57	975.71
PZ-2	1026.75	55.50	971.25	55.38	971.37	53.90	972.85	53.23	973.52	53.99	972.76
PZ-3	980.30	26.83	953.47	17.51	962.79	17.14	963.16	15.13	965.17	19.69	960.61
PW-1	975.57	22.60	952.97	13.08	962.49	12.38	963.19	10.16	965.41	15.30	960.27

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Table 1
Groundwater Elevation Data
Semiannual Groundwater Monitoring and Reporting
Crosman Site
East Bloomfield, New York

Location I.D.	T.O.R. Reference Elevation **	April 23, 2019		October 31, 2019		April 21, 2020		October 28, 2020		April 30, 2021	
		Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation
MW-1	1053.97	6.94	1047.03	13.23	1040.74	7.13	1046.84	abandoned	---	abandoned	---
MW-1A	1053.86	68.02	985.84	69.06	984.80	69.06	984.80	70.52	983.34	72.74	981.12
MW-2	1020.06	46.49	973.57	48.81	971.25	46.97	973.09	abandoned	---	abandoned	---
MW-3	1020.21	27.67	992.54	27.90	992.31	27.77	992.44	abandoned	---	abandoned	---
MW-3A	1016.98	45.91	973.80	48.04	971.67	46.45	973.26	49.51	970.20	50.31	969.40
MW-4	978.46	14.63	963.83	17.82	960.64	14.55	963.91	19.48	958.98	16.35	962.11
MW-5	980.91	12.71	968.20	15.67	965.24	12.99	967.92	17.11	963.80	15.83	965.08
MW-6	1017.85	43.80	974.05	46.26	971.59	44.27	973.58	abandoned	---	abandoned	---
MW-7	981.19	13.15	968.04	16.34	964.85	13.41	967.78	abandoned	---	abandoned	---
MW-8	1027.75	45.82	981.93	46.91	980.84	46.20	981.55	abandoned	---	abandoned	---
MW-9	1028.02	49.70	978.32	50.81	977.21	50.20	977.82	51.95	976.07	53.93	974.09
MW-10	1025.68	50.09	975.59	NR	---	NR	---	abandoned	---	abandoned	---
MW-11	1018.46	51.26	967.20	53.02	965.44	51.52	966.94	abandoned	---	abandoned	---
MW-12	985.18	20.38	963.45	NR	---	NR	---	26.21	958.97	23.36	961.82
MW-13	998.94	28.50	970.44	31.26	967.68	28.50	970.44	32.72	966.22	32.09	966.85
MW-14	1023.58	53.05	970.53	55.72	967.86	53.35	970.23	57.20	966.38	56.88	966.70
MW-15	973.61	10.86	962.75	14.59	959.02	11.04	962.57	15.64	957.97	12.47	961.14
MW-16	1028.80	51.84	976.96	53.42	975.38	52.48	976.32	54.79	974.01	56.35	972.45
MW-17	1025.86	47.31	978.55	47.78	978.08	47.48	978.38	48.93	976.93	50.82	975.04
MW-18	1004.65	31.91	972.74	34.20	970.45	32.13	972.52	35.83	968.82	35.15	969.50
MW-19	981.95	17.55	964.40	20.95	961.00	17.50	964.45	23.48	958.47	19.19	962.76
MW-20 (1)	1027.56	49.42	978.14	50.51	977.05	50.03	977.53	51.76	975.80	53.73	973.83
MW-21	1027.97	49.58	978.39	50.53	977.44	50.12	977.85	abandoned	---	abandoned	---
PZ-1	1026.28	48.91	977.37	50.16	976.12	49.35	976.93	51.24	975.04	52.82	973.46
PZ-2	1026.75	51.95	974.80	53.86	972.89	52.49	974.26	55.20	971.55	56.73	970.02
PZ-3	980.30	16.91	963.39	20.23	960.07	16.72	963.58	21.75	958.55	18.61	961.69
PW-1	975.57	12.30	963.27	15.62	959.95	12.24	963.33	17.25	958.32	13.83	961.74

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Table 1
Groundwater Elevation Data
Semiannual Groundwater Monitoring and Reporting
Crosman Site
East Bloomfield, New York

Location I.D.	T.O.R. Reference Elevation **	October 25, 2021		April 12, 2022		October 26, 2022		April 7, 2023		October 13, 2023	
		Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation
MW-1	1053.97	abandoned	---	abandoned	---	abandoned	---	abandoned	---	abandoned	---
MW-1A	1053.86	72.56	981.30	70.74	983.12	71.02	982.84	72.87	980.99	72.56	981.30
MW-2	1020.06	abandoned	---	abandoned	---	abandoned	---	abandoned	---	abandoned	---
MW-3	1020.21	abandoned	---	abandoned	---	abandoned	---	abandoned	---	abandoned	---
MW-3A	1016.98	49.83	969.88	47.24	972.47	NA	---	46.75	970.23	47.75	969.23
MW-4	978.46	16.42	962.04	13.19	965.27	18.26	960.20	13.91	964.55	18.60	959.86
MW-5	980.91	16.07	964.84	12.72	968.19	16.77	964.14	14.08	966.83	17.70	963.21
MW-6	1017.85	abandoned	---	abandoned	---	abandoned	---	abandoned	---	abandoned	---
MW-7	981.19	abandoned	---	abandoned	---	abandoned	---	abandoned	---	abandoned	---
MW-8	1027.75	abandoned	---	abandoned	---	abandoned	---	abandoned	---	abandoned	---
MW-9	1028.02	53.91	974.11	52.04	975.98	52.43	975.59	54.02	974.00	53.85	974.17
MW-10	1025.68	abandoned	---	abandoned	---	abandoned	---	abandoned	---	abandoned	---
MW-11	1018.46	abandoned	---	abandoned	---	abandoned	---	abandoned	---	abandoned	---
MW-12	985.18	23.12	962.06	20.33	964.85	24.89	960.29	21.06	964.12	26.18	959.00
MW-13	998.94	32.12	966.82	28.92	970.02	32.44	966.50	30.78	968.16	33.33	965.61
MW-14	1023.58	56.84	966.74	53.73	969.85	57.02	966.56	55.84	967.74	57.98	965.60
MW-15	973.61	13.83	959.78	9.78	963.83	15.74	957.87	9.07	964.54	15.50	958.11
MW-16	1028.80	56.04	972.76	53.79	975.01	55.08	973.72	56.18	972.62	56.38	972.42
MW-17	1025.86	51.35	974.51	49.82	976.04	49.44	976.42	51.07	974.79	50.67	975.19
MW-18	1004.65	35.20	969.45	32.54	972.11	35.51	969.14	34.03	970.62	36.40	968.25
MW-19	981.95	19.62	962.33	16.17	965.78	22.91	959.04	16.02	965.93	23.22	958.73
MW-20 (1)	1027.56	53.55	974.01	51.74	975.82	52.22	975.34	53.67	973.89	53.60	973.96
MW-21	1027.97	abandoned	---	abandoned	---	abandoned	---	abandoned	---	abandoned	---
PZ-1	1026.28	53.17	973.11	50.98	975.30	51.71	974.57	50.19	976.09	52.73	973.55
PZ-2	1026.75	56.01	970.74	53.61	973.14	55.46	971.29	55.86	970.89	56.52	970.23
PZ-3	980.30	18.55	961.75	15.41	964.89	20.49	959.81	16.06	964.24	21.52	958.78
PW-1	975.57	14.25	961.32	10.73	964.84	16.47	959.10	11.44	964.13	16.70	958.87

Notes:
All data are expressed in feet.
Wells MW-17, MW-18, MW-19, IRM-1, PZ-1, and PZ-2 were installed during October and November 1994.
MW-21 was installed July 31, 2000 through August 3, 2000.
PZ-3 was installed on May 14, 2001.
Wells MW-1, MW-2, MW-3, MW-6, MW-7, MW-8, MW-10, MW-11, and MW-21 were abandoned in August 2020, as described in the *Monitoring Well Decommissioning Report,* dated September 2, 2020
** = Reference elevation for all wells re-established with October 2018 survey by Fisher Associates.
MW-12 riser was damaged and repaired in August 2020, with a new reference elevation.
MW-3A riser was damaged and repaired in March 2023, with a new reference elevation.
(1) Monitoring well MW-20 was formerly IRM-1.
--- = not measured
NR = not recorded
T.O.R. = top of polyvinyl chloride riser

Table 2
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-3A									
Date Sampled	9-Apr-14	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
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	280	250	350	260	190	130	220 D	200	220	46
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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

Well I.D.	MW-4									
Date Sampled	9-Apr-14	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
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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Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-4									
Date Sampled	23-Apr-19	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
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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Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
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Well I.D.	MW-5									
Date Sampled	**9-Apr-14**	**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**
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
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	7.9	8.7	5.7	6.4	-	6.1	5.0	17	11	11
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 2
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-5									
Date Sampled	23-Apr-19	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
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	9.5	9.4	8.5	8.3	6.7	21	20	13	22	20
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	9.5	9.1	7.8	6.8	6.7	-	-	5.3	-	-
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 2
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-13									
Date Sampled	9-Apr-14	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
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	310	190	180	400 D	130	96	250 D	110	51	140
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 2
Program Monitoring Wells
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Well I.D.	MW-13									
Date Sampled	23-Apr-19	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
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	34	58	340 D	29	-	140	130	160	96	130
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 2
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-14									
Date Sampled	9-Apr-14	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
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 2
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-14									
Date Sampled	23-Apr-19	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
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 2
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-15									
Date Sampled	9-Apr-14	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
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 2
Program Monitoring Wells
Groundwater Analytical Results
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East Bloomfield, New York

Well I.D.	MW-15									
Date Sampled	23-Apr-19	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
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 2
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-17									
Date Sampled	**9-Apr-14**	**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**
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	15	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	440	400	340	500 D	470	440	440	350	390	230
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Table 2
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-18									
Date Sampled	9-Apr-14	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
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	-	-	-	-	-	-	-	-	-	-
Notes on page 20.	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

Notes on page 18.

Table 2
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-19									
Date Sampled	9-Apr-14	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
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	-	-	-	-	-	-	-	-	-	-
Notes on page 20.	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

Notes on page 18.

Table 2
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	PW-1									
Date Sampled	9-Apr-14	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
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	120	110	69	98	79	92	41	14	22	15
Notes on page 20.	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

Notes on page 18.

Table 2
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	PW-1								
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
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	14	42	37	23	11	35	19	55
Notes on page 20.	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-

Notes on page 18.

Table 2
Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
East Bloomfield, New York

Well I.D.	MW-20									
Date Sampled	9-Apr-14	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
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	170	110	120	160	120	150	180	92	150	23
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

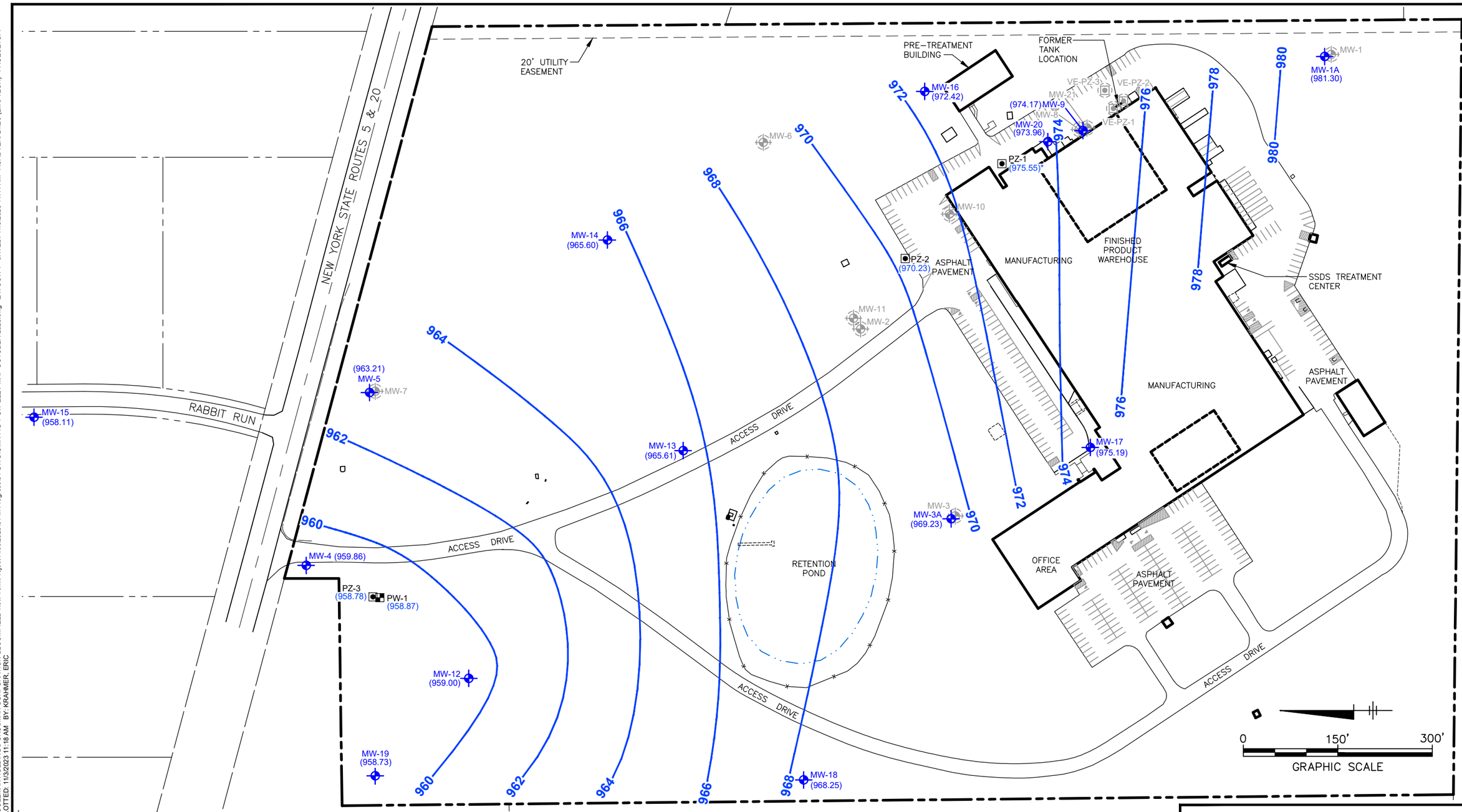
Notes on page 18.

Table 2
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:

- GROUNDWATER MONITORING WELL
- ABANDONED GROUNDWATER MONITORING WELL
- PRODUCTION WELL
- PIEZOMETER
- ABANDONED PIEZOMETER
- APPROXIMATE PROPERTY BOUNDARY
- (965.78) GROUNDWATER ELEVATION (FEET AMSL)
- 966 GROUNDWATER ELEVATION CONTOUR (FEET AMSL) (DASHED WHERE INFERRED)
- * NOT USED FOR CONTOURING

NOTES:

1. BASE MAP REFERENCE:
   1.1. SURVEY BY FISHER ASSOCIATES, ROCHESTER, NY. COMPLETED NOVEMBER 27, 2018
2. PROJECT BENCHMARK AT TOP OF CASING ON MW-7, ASSUMED LABELLA DATUM ELEV.= 979.71' ABOVE MEAN SEA LEVEL.
3. MONITORING WELL ELEVATIONS SURVEYED BY FISHER ASSOCIATES IN OCTOBER 2018.
4. AMSL = ABOVE MEAN SEA LEVEL.

CROSMAN CORPORATION SITE
EAST BLOOMFIELD, NEW YORK

GROUNDWATER MONITORING REPORT

GROUNDWATER ELEVATION CONTOUR MAP - OCTOBER 13, 2023

ARCADIS

FIGURE 1

MW-5				
Apr-14	Oct-14	Apr-15	Oct-15	Apr-16
7.9	8.7	5.7	6.4	ND
Oct-16	Apr-17	Oct-17	Apr-18	Oct-18
6.1	5.0	17	11	11
Apr-19	Oct-19	Apr-20	Oct-20	Apr-21
9.5	9.1	7.8	6.8	6.7
Oct-21	Apr-22	Oct-22	Apr-23	Oct-23
ND	ND	5.3	ND	ND

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

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

MW-20				
Apr-14	Apr-15	Apr-16	Apr-17	Apr-18
170	110	120	160	120
Apr-19	Apr-20	Apr-21	Apr-22	Apr-23
150	180	92	150	23

MW-13				
Apr-14	Oct-14	Apr-15	Oct-15	Apr-16
310	190	180	400 D	130
Oct-16	Apr-17	Oct-17	Apr-18	Oct-18
96	250 D	110	51	140
Apr-19	Oct-19	Apr-20	Oct-20	Apr-21
34	58	340 D	29	ND
Oct-21	Apr-22	Oct-22	Apr-23	Oct-23
140	130	160	96	130

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

PW-1				
Apr-14	Oct-14	Apr-15	Oct-15	Apr-16
120	110	69	98	79
Oct-16	Apr-17	Apr-18	Oct-18	Apr-19
92	41	14	22	15
Oct-19	Apr-20	Oct-20	Apr-21	Oct-21
38	14	42	37	23
Apr-22	Oct-22	Apr-23	Oct-23	
11	35	19	55	

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

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

MW-17				
Apr-14	Apr-15	Apr-16	Apr-17	Apr-18
440	400	340	500 D	470
Apr-19	Apr-20	Apr-21	Apr-22	Apr-23
440	440	350	390	230

MW-3A				
Apr-14	Apr-15	Apr-16	Apr-17	Apr-18
280	250	350	260	190
Apr-19	Apr-20	Apr-21	Apr-22	Apr-23
130	220 D	200	220	46

NEW YORK STATE ROUTES 5 & 20
RABBIT RUN
ACCESS DRIVE
PRE-TREATMENT BUILDING
FORMER TANK LOCATION
MANUFACTURING
FINISHED PRODUCT WAREHOUSE
SSDS TREATMENT CENTER
ASPHALT PAVEMENT
RETENTION POND
OFFICE AREA
MW-1A
MW-1*
MW-2
MW-3*
MW-3A
MW-4
MW-5
MW-6
MW-7
MW-8*
MW-9
MW-10
MW-11*
MW-12
MW-13
MW-14
MW-15
MW-16
MW-17
MW-18
MW-19
MW-20
MW-21
PZ-1
PZ-2
PZ-3
PW-1
VE-PZ-1
VE-PZ-2
VE-PZ-3

0 150' 300'
GRAPHIC SCALE

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

Attachment 1

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

Attachment 2

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

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:** 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
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

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
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:** 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

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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