Mr. Todd Caffoe
Regional Hazardous Waste Remediation Engineer
New York State Department of Environmental Conservation
6274 Avon-Lima Road
Avon, New York 14414-9519

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Subject:
Semiannual Groundwater Monitoring and Reporting
Crosman Site
East Bloomfield, New York

Date:
December 10, 2020

Contact:
William B. Popham

Phone:
585 662 4022

Email:
bill.popham@arcadis.com

Our ref:
30005202

Dear Mr. Caffoe:

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 2020 at the Crosman site, located in East Bloomfield, New York (site).

The groundwater monitoring program at the site has changed several times since its inception. Presently, as requested in the Semiannual Groundwater Monitoring Report, dated December 22, 2010, and approved by the NYSDEC, the groundwater program currently 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 28, 2020, Arcadis collected water-level measurement at all site wells, then collected groundwater quality samples from monitoring wells PW-1, MW-4, MW-5, MW-13, MW-14, and MW-15. Table 1 presents the site-wide water-level measurements. Figure 1 represents the groundwater elevation contour map for the October 2020 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 previous sampling events (past 10 years to present). Attachment 1 provides the laboratory report documenting the practical quantitation limits and dilution factors. [Note that the sample collected at monitoring well MW-15 was erroneously labeled as MW-16 and is, therefore, reported in the laboratory report as MW-16.]

Analytical data from October 2020 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:

- A continued non-detectable concentration in monitoring wells MW-4 and MW-15.
- An increase in concentration in production well PW-1 – from 14 parts per billion (ppb) in April 2020 to 42 ppb in October 2020.
- A decrease in concentration in monitoring well MW-5 – from 7.8 ppb in April 2020 to 6.8 ppb in October 2020.
- A decrease in concentration in monitoring well MW-13 – from 340 ppb in April 2020 to 29 ppb in October 2020.
- An increase in concentration in monitoring well MW-14 – from non-detectable in April 2020 to 15 ppb in October 2020. While this monitoring well has been non-detect for the previous 10+ years of data as presented in Table 2, the concentration observed in October 2020 is consistent with concentrations observed in 2009 and previous years. Arcadis will continue to monitor this location to ensure that this current fluctuation is not indicative of a trend.

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 the NYSDEC guidelines.

PUMP WELL OPERATIONS

Groundwater elevation contours (Figure 1) for the groundwater monitoring event show that production well PW-1 continues to influence and capture groundwater flow, thereby maintaining hydraulic control of the site. Therefore, operation of PW-1 continued to maintain hydraulic control of the TCE plume contained in the groundwater system and to demonstrably abate the potential for direct human exposure. Following the October 2020 sampling event, Crosman personnel reported that the well pump in PW-1 stopped operating on November 6, 2020. Crosman is currently working on replacing the pump. As reported in Arcadis' Semiannual Groundwater Monitoring Report, dated December 15, 2017, the pump well has remained off for extended periods of time in the past (August 16 to December 12, 2017). And during

these extended periods of downtime, the long-term history of pumping at this well continued to influence groundwater dynamics at 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 NYSDEC's March 26, 1997 Record of Decision remedial goals and the remedial action objectives set forth in the Remedial Design/Remedial Action Work Plan (Blasland, Bouck & Lee, Inc., May 1997) continue to be achieved.

The first semiannual groundwater sampling event for 2021 is tentatively scheduled for the third week of April 2021. 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

Copies:
Justin Deming, New York State Department of Health
Timothy S. Martin, Esq., New Coleman Holdings, Inc.
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Thomas F. Walsh, Esq., Barclay Damon, LLP
Gina Thomas, Crosman Corporation
Aaron D. Richardson, Arcadis of New York, Inc.

Enclosures:

Tables

1 Groundwater Elevation Data

2 Groundwater Analytical Results

Figures

1 Groundwater Elevation Contour Map – October 28, 2020

2 Map of Trichloroethylene Concentrations in Groundwater

Attachments

1 Laboratory Data

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 **	T.O.R. Reference Elevation **	April 21, 2011		October 20, 2011		April 16, 2012		October 10, 2012		April 8, 2013	
			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	6.02	1046.07	15.31	1038.66	8.59	1045.38	18.25	1035.72	8.97	1045.00
MW-1A		1053.86	72.12	979.74	71.15	982.71	71.60	982.26	72.08	981.78	24.39	1029.47
MW-2		1020.06	48.64	969.36	50.57	969.49	51.18	968.88	51.70	968.36	51.15	968.91
MW-3		1020.21	26.40	991.91	27.01	993.2	28.72	991.49	27.98	992.23	27.81	992.40
MW-3A		1019.71	48.51	969.3	49.43	970.28	48.79	970.92	50.49	969.22	50.98	968.73
MW-4		978.46	14.34	962.08	21.80	956.66	18.24	960.22	22.80	955.66	18.37	960.09
MW-5		980.91	19.23	959.7	17.87	963.04	15.76	965.15	19.10	961.81	20.05	960.86
MW-6		1017.85	46.27	969.68	48.08	969.77	46.54	971.31	49.22	968.63	48.80	969.05
MW-7		981.19	13.60	965.71	18.59	962.6	16.52	964.67	19.76	961.43	17.57	963.62
MW-8		1027.75	49.84	975.78	NR	---	49.05	978.70	49.85	977.90	24.31	1003.44
MW-9		1028.02	53.59	972.5	52.50	975.52	52.76	975.26	53.57	974.45	34.89	993.13
MW-10		1025.68	53.08	970.79	53.29	972.39	52.79	972.89	54.51	971.17	55.09	970.59
MW-11		1018.46	53.48	963	54.72	963.74	54.05	964.41	55.88	962.58	55.05	963.41
MW-12	983.83	985.18	20.12	961.72	27.54	956.29	23.87	959.96	29.14	954.69	24.01	959.82
MW-13		998.94	29.85	967.12	33.34	965.6	31.41	967.53	34.49	964.45	38.94	960.00
MW-14		1023.58	54.70	966.96	57.75	965.83	56.02	967.56	58.88	964.70	57.72	965.86
MW-15		973.61	10.13	961.77	19.39	954.22	14.09	959.52	16.71	956.90	18.12	955.49
MW-16		1028.80	55.42	971.46	55.22	973.58	55.81	972.99	56.31	972.49	57.12	971.68
MW-17		1025.86	53.83	970.34	49.59	976.27	53.09	972.77	50.59	975.27	52.09	973.77
MW-18		1004.65	37.42	965.22	36.15	968.5	37.95	966.70	36.92	967.73	38.35	966.30
MW-19		981.95	16.13	963.68	24.35	957.6	20.60	961.35	25.50	956.45	21.80	960.15
MW-20 (1)		1027.56	53.29	972.8	52.34	975.22	52.44	975.12	53.39	974.17	54.81	972.75
MW-21		1027.97	53.52	---	48.85	---	-	---	53.59	---	54.95	---
PZ-1		1026.28	52.78	971.55	51.98	974.3	51.92	974.36	52.96	973.32	54.23	972.05
PZ-2		1026.75	54.87	970.02	55.62	971.13	54.68	972.07	56.66	970.09	56.87	969.88
PZ-3		980.30	16.54	962.69	24.40	955.9	21.03	959.27	26.07	954.23	20.94	959.36
PW-1		975.57	12.09	959.76	20.22	955.35	16.43	959.14	21.19	954.38	16.81	958.76

Notes on page 4.

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

Location I.D.	T.O.R. Reference Elevation **	T.O.R. Reference Elevation **	October 16, 2013		April 9, 2014		October 29, 2014		April 22, 2015		October 21, 2015	
			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	15.55	1038.42	6.67	1047.30	13.33	1040.64	6.30	1047.67	12.89	1041.08
MW-1A		1053.86	24.37	1029.49	24.35	1029.51	24.55	1029.31	24.75	1029.11	71.11	982.75
MW-2		1020.06	50.80	969.26	50.45	969.61	50.14	969.92	48.75	971.31	49.75	970.31
MW-3		1020.21	27.95	992.26	25.57	994.64	27.77	992.44	26.63	993.58	27.74	992.47
MW-3A		1019.71	50.13	969.58	50.49	969.22	49.53	970.18	48.71	971.00	49.40	970.31
MW-4		978.46	18.60	959.86	14.79	963.67	20.45	958.01	15.70	962.76	21.55	956.91
MW-5		980.91	15.35	965.56	14.74	966.17	17.19	963.72	14.29	966.62	16.80	964.11
MW-6		1017.85	48.34	969.51	48.20	969.65	47.69	970.16	46.09	971.76	47.16	970.69
MW-7		981.19	17.75	963.44	14.72	966.47	17.71	963.48	14.59	966.60	18.18	963.01
MW-8		1027.75	50.15	977.60	51.23	976.52	49.26	978.49	49.05	978.70	48.61	979.14
MW-9		1028.02	53.67	974.35	54.82	973.20	52.75	975.27	52.59	975.43	51.95	976.07
MW-10		1025.68	54.23	971.45	54.74	970.94	53.33	972.35	52.60	973.08	52.75	972.93
MW-11		1018.46	55.22	963.24	54.55	963.91	54.63	963.83	53.31	965.15	54.43	964.03
MW-12	983.83	985.18	24.73	959.10	20.69	963.14	26.11	957.72	21.52	962.31	27.70	956.13
MW-13		998.94	32.68	966.26	31.33	967.61	32.63	966.31	21.33	977.61	28.11	970.83
MW-14		1023.58	57.34	966.24	56.54	967.04	57.14	966.44	55.11	968.47	57.08	966.50
MW-15		973.61	13.96	959.65	12.30	961.31	15.32	958.29	10.59	963.02	15.60	958.01
MW-16		1028.80	56.11	972.69	56.81	971.99	55.14	973.66	54.56	974.24	54.45	974.35
MW-17		1025.86	50.84	975.02	51.92	973.94	50.00	975.86	50.21	975.65	49.55	976.31
MW-18		1004.65	35.59	969.06	13.77	990.88	35.34	969.31	NR	---	34.58	970.07
MW-19		981.95	22.33	959.62	15.45	966.50	22.59	959.36	16.73	965.22	23.29	958.66
MW-20 (1)		1027.56	53.49	974.07	54.44	973.12	52.55	975.01	52.24	975.32	51.71	975.85
MW-21		1027.97	53.59	---	--	---	60.87	---	50.71	---	50.91	---
PZ-1		1026.28	53.03	973.25	53.93	972.35	51.95	974.33	NR	---	51.33	974.95
PZ-2		1026.75	56.18	970.57	56.45	970.30	55.34	971.41	54.45	972.30	54.93	971.82
PZ-3		980.30	21.82	958.48	17.51	962.79	23.19	957.11	18.05	962.25	24.60	955.70
PW-1		975.57	17.55	958.02	12.57	963.00	18.35	957.22	12.68	962.89	19.72	955.85

Notes on page 4.

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

Location I.D.	T.O.R. Reference Elevation **	T.O.R. Reference Elevation **	April 18, 2016		October 26, 2016		April 19, 2017		October 17, 2017		April 3, 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	8.41	1045.56	19.50	1034.47	6.97	1047.00	12.71	1041.26	5.59	1048.38
MW-1A		1053.86	NR	---	NR	---	NR	---	NR	---	NR	---
MW-2		1020.06	49.25	970.81	52.78	967.28	50.25	969.81	48.31	971.75	46.36	973.70
MW-3		1020.21	28.29	991.92	26.39	993.82	26.71	993.50	27.09	993.12	26.33	993.88
MW-3A		1019.71	49.12	970.59	52.07	967.64	50.37	969.34	47.82	971.89	46.14	973.57
MW-4		978.46	17.94	960.52	23.47	954.99	14.80	963.66	14.96	963.50	12.90	965.56
MW-5		980.91	15.70	965.21	20.03	960.88	14.42	966.49	16.00	964.91	11.57	969.34
MW-6		1017.85	46.59	971.26	50.28	967.57	47.56	970.29	45.89	971.96	43.82	974.03
MW-7		981.19	14.15	967.04	20.51	960.68	14.35	966.84	15.05	966.14	11.50	969.69
MW-8		1027.75	49.18	978.57	51.02	976.73	51.24	976.51	48.28	979.47	46.80	980.95
MW-9		1028.02	52.75	975.27	55.78	972.24	54.93	973.09	51.86	976.16	50.74	977.28
MW-10		1025.68	52.93	972.75	55.60	970.08	NR	---	52.08	973.60	50.58	975.10
MW-11		1018.46	54.09	964.37	56.73	961.73	54.48	963.98	53.11	965.35	51.33	967.13
MW-12	983.83	985.18	23.82	960.01	29.69	954.14	20.88	962.95	19.72	964.11	19.00	964.83
MW-13		998.94	31.35	967.59	35.45	963.49	31.05	967.89	30.20	968.74	27.70	971.24
MW-14		1023.58	56.00	967.58	59.86	963.72	56.03	967.55	54.95	968.63	52.66	970.92
MW-15		973.61	13.54	960.07	17.60	956.01	13.23	960.38	13.12	960.49	9.25	964.36
MW-16		1028.80	54.80	974.00	57.42	971.38	56.84	971.96	53.93	974.87	52.47	976.33
MW-17		1025.86	50.27	975.59	51.44	974.42	52.25	973.61	49.65	976.21	48.53	977.33
MW-18		1004.65	34.62	970.03	38.28	966.37	34.64	970.01	34.27	970.38	31.69	972.96
MW-19		981.95	20.16	961.79	26.32	955.63	14.88	967.07	19.51	962.44	14.70	967.25
MW-20 (1)		1027.56	52.48	975.08	54.28	973.28	54.85	972.71	51.61	975.95	50.44	977.12
MW-21		1027.97	54.15	---	54.35	---	54.45	---	51.80	---	50.59	---
PZ-1		1026.28	51.93	974.35	53.92	972.36	53.93	972.35	50.91	975.37	49.78	976.50
PZ-2		1026.75	54.84	971.91	55.50	971.25	55.38	971.37	53.90	972.85	53.23	973.52
PZ-3		980.30	20.70	959.60	26.83	953.47	17.51	962.79	17.14	963.16	15.13	965.17
PW-1		975.57	15.63	959.94	22.60	952.97	13.08	962.49	12.38	963.19	10.16	965.41

Notes on page 4.

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

Location I.D.	T.O.R. Reference Elevation **	T.O.R. Reference Elevation **	October 26, 2018		April 23, 2019		October 31, 2019		April 21, 2020		October 28, 2020	
			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	11.52	1042.45	6.94	1047.03	13.23	1040.74	7.13	1046.84	abandoned	---
MW-1A		1053.86	69.89	983.97	68.02	985.84	69.06	984.80	69.06	984.80	70.52	983.34
MW-2		1020.06	48.68	971.38	46.49	973.57	48.81	971.25	46.97	973.09	abandoned	---
MW-3		1020.21	28.31	991.90	27.67	992.54	27.90	992.31	27.77	992.44	abandoned	---
MW-3A		1019.71	47.83	971.88	45.91	973.80	48.04	971.67	46.45	973.26	49.51	970.20
MW-4		978.46	17.24	961.22	14.63	963.83	17.82	960.64	14.55	963.91	19.48	958.98
MW-5		980.91	15.29	965.62	12.71	968.20	15.67	965.24	12.99	967.92	17.11	963.80
MW-6		1017.85	46.22	971.63	43.80	974.05	46.26	971.59	44.27	973.58	abandoned	---
MW-7		981.19	15.90	965.29	13.15	968.04	16.34	964.85	13.41	967.78	abandoned	---
MW-8		1027.75	47.54	980.21	45.82	981.93	46.91	980.84	46.20	981.55	abandoned	---
MW-9		1028.02	51.25	976.77	49.70	978.32	50.81	977.21	50.20	977.82	51.95	976.07
MW-10		1025.68	NR	---	50.09	975.59	NR	---	NR	---	abandoned	---
MW-11		1018.46	52.93	965.53	51.26	967.20	53.02	965.44	51.52	966.94	abandoned	---
MW-12	983.83	985.18	22.75	961.08	20.38	963.45	NR	---	NR	---	26.21	958.97
MW-13		998.94	30.98	967.96	28.50	970.44	31.26	967.68	28.50	970.44	32.72	966.22
MW-14		1023.58	55.55	968.03	53.05	970.53	55.72	967.86	53.35	970.23	57.20	966.38
MW-15		973.61	13.54	960.07	10.86	962.75	14.59	959.02	11.04	962.57	15.64	957.97
MW-16		1028.80	53.80	975.00	51.84	976.96	53.42	975.38	52.48	976.32	54.79	974.01
MW-17		1025.86	48.43	977.43	47.31	978.55	47.78	978.08	47.48	978.38	48.93	976.93
MW-18		1004.65	33.86	970.79	31.91	972.74	34.20	970.45	32.13	972.52	35.83	968.82
MW-19		981.95	20.00	961.95	17.55	964.40	20.95	961.00	17.50	964.45	23.48	958.47
MW-20 (1)		1027.56	51.02	976.54	49.42	978.14	50.51	977.05	50.03	977.53	51.76	975.80
MW-21		1027.97	51.13	976.84	49.58	978.39	50.53	977.44	50.12	977.85	abandoned	---
PZ-1		1026.28	50.57	975.71	48.91	977.37	50.16	976.12	49.35	976.93	51.24	975.04
PZ-2		1026.75	53.99	972.76	51.95	974.80	53.86	972.89	52.49	974.26	55.20	971.55
PZ-3		980.30	19.69	960.61	16.91	963.39	20.23	960.07	16.72	963.58	21.75	958.55
PW-1		975.57	15.30	960.27	12.30	963.27	15.62	959.95	12.24	963.33	17.25	958.32

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.
(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	21-Apr-11	16-Apr-12	8-Apr-13	9-Apr-14	22-Apr-15	18-Apr-16	19-Apr-17	3-Apr-18	23-Apr-19	21-Apr-20
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	240	210	190	280	250	350	260	190	130	220 D
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	20-Oct-11	16-Apr-12	10-Oct-12	8-Apr-13	16-Oct-13	9-Apr-14	29-Oct-14	22-Apr-15	21-Oct-15
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	-	-	-	4.06	-	-	-	-	-
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-4 (cont.)									
Date Sampled	**18-Apr-16**	**26-Oct-16**	**19-Apr-17**	**17-Oct-17**	**3-Apr-18**	**26-Oct-18**	**23-Apr-19**	**31-Oct-19**	**21-Apr-20**	**28-Oct-20**
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
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Well I.D.	MW-5									
Date Sampled	21-Apr-11	20-Oct-11	16-Apr-12	10-Oct-12	8-Apr-13	16-Oct-13	9-Apr-14	29-Oct-14	22-Apr-15	21-Oct-15
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	6.28	9.6	-	8.8	17	15
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	29	27	23	33	16.4	19	7.9	8.7	5.7	6.4
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 (cont.)									
Date Sampled	18-Apr-16	26-Oct-16	19-Apr-17	17-Oct-17	3-Apr-18	26-Oct-18	23-Apr-19	31-Oct-19	21-Apr-20	28-Oct-20
Volatiles										
Acetone	-	-	-	-	-	12	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	14	9.4	8.8	9.6	11	8.0	9.5	9.4	8.5	8.3
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	6.1	5.0	17	11	11	9.5	9.1	7.8	6.8
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Program Monitoring Wells
Groundwater Analytical Results
Crosman Site
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Well I.D.	MW-13									
Date Sampled	21-Apr-11	20-Oct-11	16-Apr-12	10-Oct-12	8-Apr-13	16-Oct-13	9-Apr-14	29-Oct-14	22-Apr-15	22-Apr-15
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	29	-	28	28	19.2	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	590	610	460	640	381	480	310	190	180	180
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 (cont.)										
Date Sampled	**21-Oct-15**	**18-Apr-16**	**26-Oct-16**	**19-Apr-17**	**17-Oct-17**	**3-Apr-18**	**26-Oct-18**	**23-Apr-19**	**31-Oct-19**	**21-Apr-20**	**28-Oct-20**
Volatiles											
Acetone	-	-	-	-	-	-	16	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	29	-	13	16	-	-	15	-	-	19	32
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	400 D	130	96	250 D	110	51	140	34	58	340 D	29
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	21-Apr-11	20-Oct-11	16-Apr-12	10-Oct-12	8-Apr-13	16-Oct-13	9-Apr-14	29-Oct-14	22-Apr-15	21-Oct-15
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
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Well I.D.	MW-14 (cont.)									
Date Sampled	18-Apr-16	26-Oct-16	19-Apr-17	17-Oct-17	3-Apr-18	26-Oct-18	23-Apr-19	31-Oct-19	21-Apr-20	28-Oct-20
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	15
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

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Program Monitoring Wells
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Crosman Site
East Bloomfield, New York

Well I.D.	MW-15									
Date Sampled	21-Apr-11	20-Oct-11	16-Apr-12	10-Oct-12	8-Apr-13	16-Oct-13	9-Apr-14	29-Oct-14	22-Apr-15	21-Oct-15
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-15 (cont.)									
Date Sampled	**18-Apr-16**	**26-Oct-16**	**19-Apr-17**	**17-Oct-17**	**3-Apr-18**	**26-Oct-18**	**23-Apr-19**	**31-Oct-19**	**21-Apr-20**	**28-Oct-20**
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-17									
Date Sampled	**21-Apr-11**	**16-Apr-12**	**8-Apr-13**	**9-Apr-14**	**22-Apr-15**	**18-Apr-16**	**19-Apr-17**	**3-Apr-18**	**23-Apr-19**	**21-Apr-20**
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	6.48	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	25	13.4	-	-	-	-	-	15	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	510	370	324	440	400	340	500 D	470	440	440
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

Notes on page 20.

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

Well I.D.	MW-18					
Date Sampled	**22-Oct-10**	**21-Apr-11**	**20-Oct-11**	**16-Apr-12**	**8-Apr-13**	**9-Apr-14**
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 20.

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

Well I.D.	MW-18 (cont.)					
Date Sampled	**22-Apr-15**	**18-Apr-16**	**19-Apr-17**	**3-Apr-18**	**23-Apr-19**	**21-Apr-20**
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 20.

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

Well I.D.	MW-19					
Date Sampled	22-Oct-10	21-Apr-11	20-Oct-11	16-Apr-12	8-Apr-13	9-Apr-14
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 20.

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

Well I.D.	MW-19 (cont.)					
Date Sampled	**22-Apr-15**	**18-Apr-16**	**19-Apr-17**	**3-Apr-18**	**23-Apr-19**	**21-Apr-20**
Volatiles						
Acetone	-	-	-	-	-	-
Benzene	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-
2-Butanone	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-
1,2-Dichloroethene (total)	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-
4-Methyl-2-pentanone	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-
Notes on page 20.	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-

Notes on page 20.

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

Well I.D.	PW-1									
Date Sampled	21-Apr-11	20-Oct-11	16-Apr-12	10-Oct-12	8-Apr-13	16-Oct-13	9-Apr-14	29-Oct-14	27-Apr-15	21-Oct-15
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	92	160	130	150	105	140	120	110	69	98
Notes on page 20.	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

Notes on page 20.

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

Well I.D.	PW-1 (cont.)								
Date Sampled	**18-Apr-16**	**26-Oct-16**	**19-Apr-17**	**3-Apr-18**	**26-Oct-18**	**23-Apr-19**	**31-Oct-19**	**21-Apr-20**	**28-Oct-20**
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	79	92	41	14	22	15	15	14	42
Notes on page 20.	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-

Notes on page 20.

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

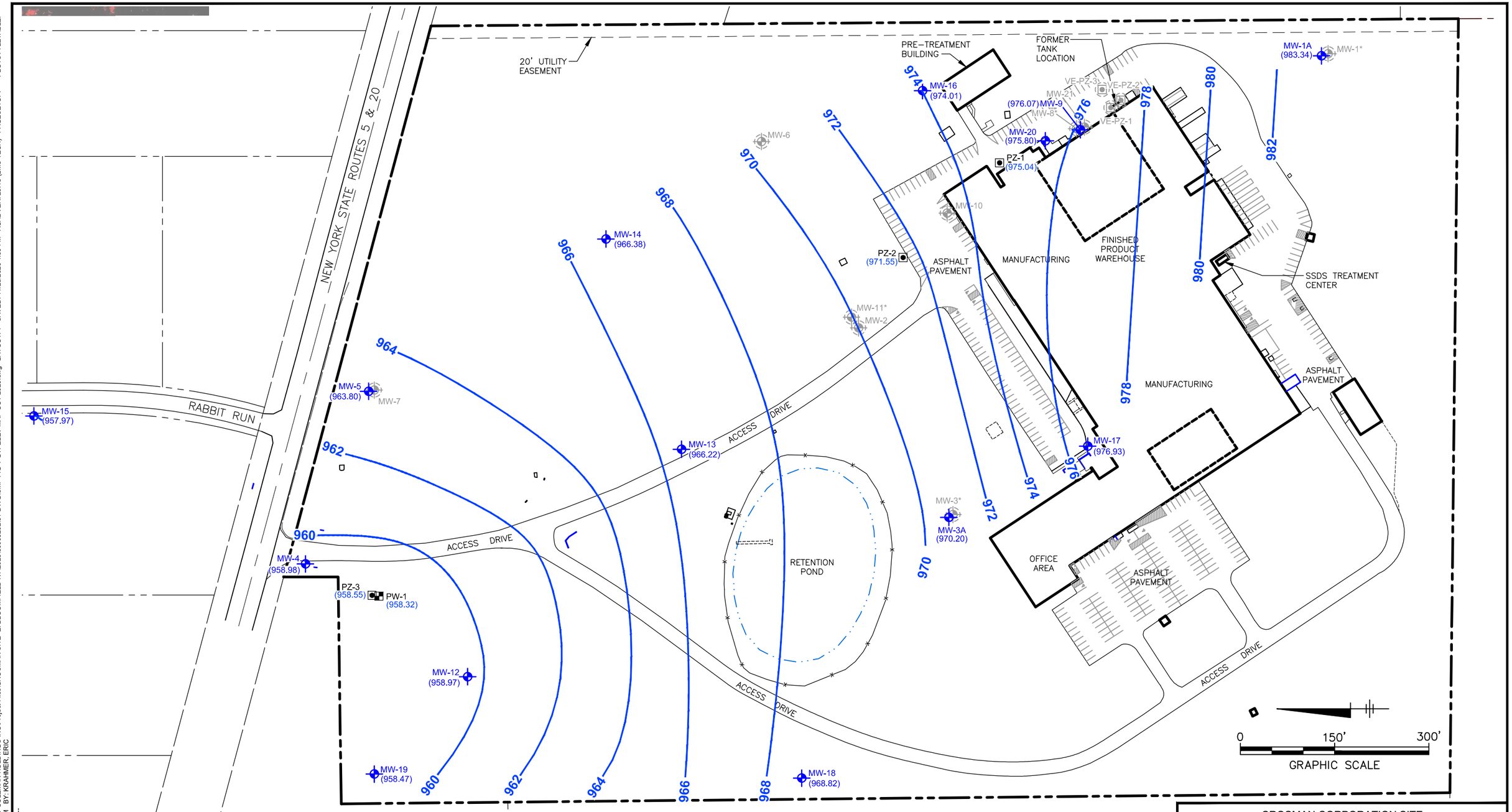
Well I.D.	MW-20 (formerly IRM-1)									
Date Sampled	21-Apr-11	16-Apr-12	8-Apr-13	9-Apr-14	22-Apr-15	18-Apr-16	19-Apr-17	3-Apr-18	23-Apr-19	21-Apr-20
Volatiles										
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Carbon 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	150	130	138	170	110	120	160	120	150	180
Toluene	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-	-

Notes on page 20.

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
- (958.97) GROUNDWATER ELEVATION (FEET AMSL)
- 966 GROUNDWATER ELEVATION CONTOUR (FEET AMSL) (DASHED WHERE INFERRED)

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. * MONITORING WELLS MW-1, MW-3, MW-5, MW-8, AND MW-11 WERE NOT USED IN CONTOURING.
5. AMSL = ABOVE MEAN SEA LEVEL.

CROSMAN CORPORATION SITE
EAST BLOOMFIELD, NEW YORK

SITE MANAGEMENT PLAN

GROUNDWATER ELEVATION CONTOUR MAP - OCTOBER 28, 2020

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1

MW-5				
Apr-11	Oct-11	Apr-12	Oct-12	Apr-13
29	27	23	33	16.4
Oct-13	Apr-14	Oct-14	Apr-15	Oct-15
19	7.9	8.7	5.7	6.4
Apr-16	Oct-16	Apr-17	Oct-17	Apr-18
ND	6.1	5.0	17	11
Oct-18	Apr-19	Oct-19	Apr-20	Oct-20
11	9.5	9.1	7.8	6.8

MW-14				
Apr-11	Oct-11	Apr-12	Oct-12	Apr-13
ND	ND	ND	ND	ND
Oct-13	Apr-14	Oct-14	Apr-15	Oct-15
ND	ND	ND	ND	ND
Apr-16	Oct-16	Apr-17	Oct-17	Apr-18
ND	ND	ND	ND	ND
Oct-18	Apr-19	Oct-19	Apr-20	Oct-20
ND	ND	ND	ND	15

MW-20				
Apr-11	Apr-12	Apr-13	Apr-14	Apr-15
150	130	138	170	110
Apr-16	Apr-17	Apr-18	Apr-19	Apr-20
120	160	120	150	180

MW-15				
Apr-11	Oct-11	Apr-12	Oct-12	Apr-13
ND	ND	ND	ND	ND
Oct-13	Apr-14	Oct-14	Apr-15	Oct-15
ND	ND	ND	ND	ND
Apr-16	Oct-16	Apr-17	Oct-17	Apr-18
ND	ND	ND	ND	ND
Oct-18	Apr-19	Oct-19	Apr-20	Oct-20
ND	ND	ND	ND	ND

MW-4				
Apr-11	Oct-11	Apr-12	Oct-12	Apr-13
ND	ND	ND	ND	4.06
Oct-13	Apr-14	Oct-14	Apr-15	Oct-15
ND	4.06	ND	ND	ND
Apr-16	Oct-16	Apr-17	Oct-17	Apr-18
ND	ND	ND	ND	ND
Oct-18	Apr-19	Oct-19	Apr-20	Oct-20
ND	ND	ND	ND	ND

MW-13				
Apr-11	Oct-11	Apr-12	Oct-12	Apr-13
590	610	460	640	381
Oct-13	Apr-14	Oct-14	Apr-15	Oct-15
480	310	190	180	400 D
Apr-16	Oct-16	Apr-17	Oct-17	Apr-18
130	96	250 D	110	51
Oct-18	Apr-19	Oct-19	Apr-20	Oct-20
140	34	58	340 D	29

MW-17				
Apr-11	Apr-12	Apr-13	Apr-14	Apr-15
510	370	324	440	400
Apr-16	Apr-17	Apr-18	Apr-19	Apr-20
340	500 D	470	440	440

PW-1				
Apr-11	Oct-11	Apr-12	Oct-12	Apr-13
92	160	130	150	105
Oct-13	Apr-14	Oct-14	Apr-15	Oct-15
140	120	110	69	98
Apr-16	Oct-16	Apr-17	Apr-18	Oct-18
79	92	41	14	22
Apr-19	Oct-19	Apr-20	Oct-20	
15	38	14	42	

MW-3A				
Apr-11	Apr-12	Apr-13	Apr-14	Apr-15
240	210	190	280	250
Apr-16	Apr-17	Apr-18	Apr-19	Apr-20
350	260	190	130	220 D

MW-19				
Apr-11	Oct-11	Apr-12	Apr-13	Apr-14
ND	ND	ND	ND	ND
Apr-15	Apr-16	Apr-17	Apr-18	Apr-19
ND	ND	ND	ND	ND
Apr-20				
ND				

MW-18				
Apr-11	Oct-11	Apr-12	Apr-13	Apr-14
ND	ND	ND	ND	ND
Apr-15	Apr-16	Apr-17	Apr-18	Apr-19
ND	ND	ND	ND	ND
Apr-20				
ND				

NEW YORK STATE ROUTES 5 & 20

RABBIT RUN

ACCESS

ACCESS DRIVE

ACCESS DRIVE

PRE–TREATMENT BUILDING

FORMER TANK LOCATION

MANUFACTURING

FINISHED PRODUCT WAREHOUSE

MANUFACTURING

SSDS TREATMENT CENTER

ASPHALT PAVEMENT

ASPHALT PAVEMENT

ASPHALT PAVEMENT

OFFICE AREA

RETENTION POND

PZ-1

PZ-2 (972.76)

PZ-3

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

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. PROJECT BENCHMARK AT TOP OF CASING ON MW–7, ASSUMED LABELLA DATUM ELEV.= 979.71’ ABOVE MEAN SEA LEVEL.
3. ALL RESULTS ARE IN MICROGRAMS PER LITER (µg/L).
4. ABBREVIATIONS:
   4.1. D = CONCENTRATION IS THE RESULT OF A SECONDARY DILUTION.
   4.2. E = EXCEEDS CALIBRATION RANGE.
   4.3. J = THE COMPOUND WAS POSITIVELY IDENTIFIED, HOWEVER, THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY.
   4.4. ND = NOT DETECTED. COMPOUNDS DETECTED IN MS/MSD ARE NOT SHOWN.

CROSMAN CORPORATION SITE
EAST BLOOMFIELD, NEW YORK
SITE MANAGEMENT PLAN

MAP OF TRICHLOROETHYLENE CONCENTRATIONS IN GROUNDWATER

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2

Attachment 1

Laboratory Data

November 12, 2020 Service Request No:R2010124

Mr. Aaron Richardson
ARCADIS of New York, Inc.
295 Woodcliff Drive
Third Floor, Suite 301
Fairport, NY 14450

Laboratory Results for: Crosman

Dear Mr.Richardson,

Enclosed are the results of the sample(s) submitted to our laboratory October 28, 2020
For your reference, these analyses have been assigned our service request number **R2010124.**

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
Vicky Collom for:

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:** R2010124
Project: Crosman **Date Received:** 10/28/2020
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 10/28/2020. 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, 11/08/2020: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8260C, 702600: Sample(s) required dilution due to the foaming nature of the matrix and the presence of non-targets at high concentrations. The reporting limits are adjusted to reflect the dilution.

Method 8260C, 11/08/2020: 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.

Method 8260: Samples are routinely tested for pH after analysis to confirm that any acid added was sufficient to reduce the pH to <2 to extend the holding time from 7 days to 14 days. The following sample(s) were analyzed beyond 7 days and were found to be insufficiently preserved. R2010124-003

Approved by _____ Date 11/12/2020

SAMPLE DETECTION SUMMARY

CLIENT ID: PW-1			Lab ID: R2010124-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene	42			5.0	ug/L	8260C

CLIENT ID: MW-5			Lab ID: R2010124-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	8.3			5.0	ug/L	8260C
Trichloroethene	6.8			5.0	ug/L	8260C

CLIENT ID: MW-14			Lab ID: R2010124-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene	15			5.0	ug/L	8260C

CLIENT ID: MW-13			Lab ID: R2010124-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	32			13	ug/L	8260C
Trichloroethene	29			13	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:**R2010124
Project: Crosman

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2010124-001	PW-1	10/28/2020	0845
R2010124-002	MW-16	10/28/2020	0915
R2010124-003	MW-4	10/28/2020	0945
R2010124-004	MW-5	10/28/2020	1015
R2010124-005	MW-14	10/28/2020	1045
R2010124-006	MW-13	10/28/2020	1115
R2010124-007	Trip Blank	10/28/2020	

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

004417

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name: CROSMAN	Project Number:
Project Manager: AARON RICHARDSON	Report CC:
Company/Address: ARCADIS 100 CHESTNUT ST, SUITE 1020 100 ROCHESTER NY 14604	
Phone #: 585 662 4024	Email:
Sampler's Signature:	Sampler's Printed Name: G Greupentrog

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs • 8260 • 624 • CLP	GC/MS SVOAs • 8270 • 625	GC VOAs • 8021 • 601/602	PESTICIDES • 8081 • 608	PCBs • 8082 • 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
PW-1		10/28/20	0845	GW	3								
MW-16		"	0915	"	3								
MW-4		"	0945	"	3								
MW-5		"	1015	"	3								
MW-14		"	1045	"	3								
MW-13		"	1115	"	3								
TRIP													

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 1 day ____ 2 day ____ 3 day
____ 4 day ____ 5 day
✓ Standard (10 business days-No Surcharge)
REQUESTED REPORT DATE: _____

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
✓ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
Edata ____ Yes ____ No

INVOICE INFORMATION
PO #:
BILL TO:

STATE WHERE SAMPLES WERE COLLECTED:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: G. Greupentrog	Printed Name: Daniel Ward	Printed Name:	Printed Name:	Printed Name:	
Firm: ARCADIS	Firm: ALS	Firm:	Firm:	Firm:	
Date/Time: 10/28/20 1225	Date/Time: 10/28/2020/ 1225	Date/Time:	Date/Time:	Date/Time:	

R2010124 5
ARCADIS of New York, Inc.
Crosman

Distribution: White - Lab Copy; Yellow - Return to Originator

Cooler Receipt and Preservation Check Form

R2010124 5
ARCADIS of New York, Inc.
Crosman

Project/Client Arcadis Folder Number

Cooler received on 10/28/2020 by: SJW

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: 10/28/2020 Time: 1730 ID: IR#7 (IR#10) From: Temp Blank Sample Bottle

Observed Temp (°C)	5.9°						
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: R007 by SJW on 10/28/20 at 1730
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 10/28/2020 Time: 1625 by: SJW

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. 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	**	**						

**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: 2561-03
Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: SJW
PC Secondary Review: JMA 11/3/20 *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 ñNotesò 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 ñimmediateò 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 (Ó100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ 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 Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

[1] Analyses were performed according to our laboratoryôs 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 or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

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:** R2010124
Project: Crosman/

Sample Name: PW-1 **Date Collected:** 10/28/20
Lab Code: R2010124-001 **Date Received:** 10/28/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-16 **Date Collected:** 10/28/20
Lab Code: R2010124-002 **Date Received:** 10/28/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-4 **Date Collected:** 10/28/20
Lab Code: R2010124-003 **Date Received:** 10/28/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-5 **Date Collected:** 10/28/20
Lab Code: R2010124-004 **Date Received:** 10/28/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-14 **Date Collected:** 10/28/20
Lab Code: R2010124-005 **Date Received:** 10/28/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2010124
Project:	Crosman/		

Sample Name:	MW-13	**Date Collected:**	10/28/20
Lab Code:	R2010124-006	**Date Received:**	10/28/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	Trip Blank	**Date Collected:**	10/28/20
Lab Code:	R2010124-007	**Date Received:**	10/28/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

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:**	R2010124
Project:	Crosman	**Date Collected:**	10/28/20 08:45
Sample Matrix:	Water	**Date Received:**	10/28/20 12:25
Sample Name:	PW-1	**Units:**	ug/L
Lab Code:	R2010124-001	**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	11/08/20 22:52	
Benzene	ND U	5.0	1	11/08/20 22:52	
Bromodichloromethane	ND U	5.0	1	11/08/20 22:52	
Bromoform	ND U	5.0	1	11/08/20 22:52	
Bromomethane	ND U	5.0	1	11/08/20 22:52	
2-Butanone (MEK)	ND U	10	1	11/08/20 22:52	
Carbon Disulfide	ND U	10	1	11/08/20 22:52	
Carbon Tetrachloride	ND U	5.0	1	11/08/20 22:52	
Chlorobenzene	ND U	5.0	1	11/08/20 22:52	
Chloroethane	ND U	5.0	1	11/08/20 22:52	
Chloroform	ND U	5.0	1	11/08/20 22:52	
Chloromethane	ND U	5.0	1	11/08/20 22:52	
Dibromochloromethane	ND U	5.0	1	11/08/20 22:52	
1,1-Dichloroethane	ND U	5.0	1	11/08/20 22:52	
1,2-Dichloroethane	ND U	5.0	1	11/08/20 22:52	
1,1-Dichloroethene	ND U	5.0	1	11/08/20 22:52	
cis-1,2-Dichloroethene	ND U	5.0	1	11/08/20 22:52	
trans-1,2-Dichloroethene	ND U	5.0	1	11/08/20 22:52	
1,2-Dichloropropane	ND U	5.0	1	11/08/20 22:52	
cis-1,3-Dichloropropene	ND U	5.0	1	11/08/20 22:52	
trans-1,3-Dichloropropene	ND U	5.0	1	11/08/20 22:52	
Ethylbenzene	ND U	5.0	1	11/08/20 22:52	
2-Hexanone	ND U	10	1	11/08/20 22:52	
Methylene Chloride	ND U	5.0	1	11/08/20 22:52	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	11/08/20 22:52	
Styrene	ND U	5.0	1	11/08/20 22:52	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	11/08/20 22:52	
Tetrachloroethene	ND U	5.0	1	11/08/20 22:52	
Toluene	ND U	5.0	1	11/08/20 22:52	
1,1,1-Trichloroethane	ND U	5.0	1	11/08/20 22:52	
1,1,2-Trichloroethane	ND U	5.0	1	11/08/20 22:52	
Trichloroethene	**42**	5.0	1	11/08/20 22:52	
Vinyl Chloride	ND U	5.0	1	11/08/20 22:52	
o-Xylene	ND U	5.0	1	11/08/20 22:52	
m,p-Xylenes	ND U	5.0	1	11/08/20 22:52	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2010124
Project:	Crosman	**Date Collected:**	10/28/20 08:45
Sample Matrix:	Water	**Date Received:**	10/28/20 12:25
Sample Name:	PW-1	**Units:**	ug/L
Lab Code:	R2010124-001	**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	93	85 - 122	11/08/20 22:52	
Toluene-d8	98	87 - 121	11/08/20 22:52	
Dibromofluoromethane	92	80 - 116	11/08/20 22:52	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2010124
Project:	Crosman	**Date Collected:**	10/28/20 09:15
Sample Matrix:	Water	**Date Received:**	10/28/20 12:25
Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	R2010124-002	**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	11/08/20 23:14	
Benzene	ND U	5.0	1	11/08/20 23:14	
Bromodichloromethane	ND U	5.0	1	11/08/20 23:14	
Bromoform	ND U	5.0	1	11/08/20 23:14	
Bromomethane	ND U	5.0	1	11/08/20 23:14	
2-Butanone (MEK)	ND U	10	1	11/08/20 23:14	
Carbon Disulfide	ND U	10	1	11/08/20 23:14	
Carbon Tetrachloride	ND U	5.0	1	11/08/20 23:14	
Chlorobenzene	ND U	5.0	1	11/08/20 23:14	
Chloroethane	ND U	5.0	1	11/08/20 23:14	
Chloroform	ND U	5.0	1	11/08/20 23:14	
Chloromethane	ND U	5.0	1	11/08/20 23:14	
Dibromochloromethane	ND U	5.0	1	11/08/20 23:14	
1,1-Dichloroethane	ND U	5.0	1	11/08/20 23:14	
1,2-Dichloroethane	ND U	5.0	1	11/08/20 23:14	
1,1-Dichloroethene	ND U	5.0	1	11/08/20 23:14	
cis-1,2-Dichloroethene	ND U	5.0	1	11/08/20 23:14	
trans-1,2-Dichloroethene	ND U	5.0	1	11/08/20 23:14	
1,2-Dichloropropane	ND U	5.0	1	11/08/20 23:14	
cis-1,3-Dichloropropene	ND U	5.0	1	11/08/20 23:14	
trans-1,3-Dichloropropene	ND U	5.0	1	11/08/20 23:14	
Ethylbenzene	ND U	5.0	1	11/08/20 23:14	
2-Hexanone	ND U	10	1	11/08/20 23:14	
Methylene Chloride	ND U	5.0	1	11/08/20 23:14	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	11/08/20 23:14	
Styrene	ND U	5.0	1	11/08/20 23:14	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	11/08/20 23:14	
Tetrachloroethene	ND U	5.0	1	11/08/20 23:14	
Toluene	ND U	5.0	1	11/08/20 23:14	
1,1,1-Trichloroethane	ND U	5.0	1	11/08/20 23:14	
1,1,2-Trichloroethane	ND U	5.0	1	11/08/20 23:14	
Trichloroethene	ND U	5.0	1	11/08/20 23:14	
Vinyl Chloride	ND U	5.0	1	11/08/20 23:14	
o-Xylene	ND U	5.0	1	11/08/20 23:14	
m,p-Xylenes	ND U	5.0	1	11/08/20 23:14	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2010124
Project:	Crosman	**Date Collected:**	10/28/20 09:15
Sample Matrix:	Water	**Date Received:**	10/28/20 12:25
Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	R2010124-002	**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	88	85 - 122	11/08/20 23:14	
Toluene-d8	91	87 - 121	11/08/20 23:14	
Dibromofluoromethane	86	80 - 116	11/08/20 23:14	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2010124
Project:	Crosman	**Date Collected:**	10/28/20 09:45
Sample Matrix:	Water	**Date Received:**	10/28/20 12:25
Sample Name:	MW-4	**Units:**	ug/L
Lab Code:	R2010124-003	**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	11/08/20 23:36	
Benzene	ND U	5.0	1	11/08/20 23:36	
Bromodichloromethane	ND U	5.0	1	11/08/20 23:36	
Bromoform	ND U	5.0	1	11/08/20 23:36	
Bromomethane	ND U	5.0	1	11/08/20 23:36	
2-Butanone (MEK)	ND U	10	1	11/08/20 23:36	
Carbon Disulfide	ND U	10	1	11/08/20 23:36	
Carbon Tetrachloride	ND U	5.0	1	11/08/20 23:36	
Chlorobenzene	ND U	5.0	1	11/08/20 23:36	
Chloroethane	ND U	5.0	1	11/08/20 23:36	
Chloroform	ND U	5.0	1	11/08/20 23:36	
Chloromethane	ND U	5.0	1	11/08/20 23:36	
Dibromochloromethane	ND U	5.0	1	11/08/20 23:36	
1,1-Dichloroethane	ND U	5.0	1	11/08/20 23:36	
1,2-Dichloroethane	ND U	5.0	1	11/08/20 23:36	
1,1-Dichloroethene	ND U	5.0	1	11/08/20 23:36	
cis-1,2-Dichloroethene	ND U	5.0	1	11/08/20 23:36	
trans-1,2-Dichloroethene	ND U	5.0	1	11/08/20 23:36	
1,2-Dichloropropane	ND U	5.0	1	11/08/20 23:36	
cis-1,3-Dichloropropene	ND U	5.0	1	11/08/20 23:36	
trans-1,3-Dichloropropene	ND U	5.0	1	11/08/20 23:36	
Ethylbenzene	ND U	5.0	1	11/08/20 23:36	
2-Hexanone	ND U	10	1	11/08/20 23:36	
Methylene Chloride	ND U	5.0	1	11/08/20 23:36	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	11/08/20 23:36	
Styrene	ND U	5.0	1	11/08/20 23:36	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	11/08/20 23:36	
Tetrachloroethene	ND U	5.0	1	11/08/20 23:36	
Toluene	ND U	5.0	1	11/08/20 23:36	
1,1,1-Trichloroethane	ND U	5.0	1	11/08/20 23:36	
1,1,2-Trichloroethane	ND U	5.0	1	11/08/20 23:36	
Trichloroethene	ND U	5.0	1	11/08/20 23:36	
Vinyl Chloride	ND U	5.0	1	11/08/20 23:36	
o-Xylene	ND U	5.0	1	11/08/20 23:36	
m,p-Xylenes	ND U	5.0	1	11/08/20 23:36	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2010124
Project:	Crosman	**Date Collected:**	10/28/20 09:45
Sample Matrix:	Water	**Date Received:**	10/28/20 12:25
Sample Name:	MW-4	**Units:**	ug/L
Lab Code:	R2010124-003	**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	90	85 - 122	11/08/20 23:36	
Toluene-d8	95	87 - 121	11/08/20 23:36	
Dibromofluoromethane	89	80 - 116	11/08/20 23:36	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2010124
Project:	Crosman	**Date Collected:**	10/28/20 10:15
Sample Matrix:	Water	**Date Received:**	10/28/20 12:25
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2010124-004	**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	11/08/20 23:58	
Benzene	ND	U	5.0	1	11/08/20 23:58	
Bromodichloromethane	ND	U	5.0	1	11/08/20 23:58	
Bromoform	ND	U	5.0	1	11/08/20 23:58	
Bromomethane	ND	U	5.0	1	11/08/20 23:58	
2-Butanone (MEK)	ND	U	10	1	11/08/20 23:58	
Carbon Disulfide	ND	U	10	1	11/08/20 23:58	
Carbon Tetrachloride	ND	U	5.0	1	11/08/20 23:58	
Chlorobenzene	ND	U	5.0	1	11/08/20 23:58	
Chloroethane	ND	U	5.0	1	11/08/20 23:58	
Chloroform	ND	U	5.0	1	11/08/20 23:58	
Chloromethane	ND	U	5.0	1	11/08/20 23:58	
Dibromochloromethane	ND	U	5.0	1	11/08/20 23:58	
1,1-Dichloroethane	ND	U	5.0	1	11/08/20 23:58	
1,2-Dichloroethane	ND	U	5.0	1	11/08/20 23:58	
1,1-Dichloroethene	ND	U	5.0	1	11/08/20 23:58	
cis-1,2-Dichloroethene	**8.3**		5.0	1	11/08/20 23:58	
trans-1,2-Dichloroethene	ND	U	5.0	1	11/08/20 23:58	
1,2-Dichloropropane	ND	U	5.0	1	11/08/20 23:58	
cis-1,3-Dichloropropene	ND	U	5.0	1	11/08/20 23:58	
trans-1,3-Dichloropropene	ND	U	5.0	1	11/08/20 23:58	
Ethylbenzene	ND	U	5.0	1	11/08/20 23:58	
2-Hexanone	ND	U	10	1	11/08/20 23:58	
Methylene Chloride	ND	U	5.0	1	11/08/20 23:58	
4-Methyl-2-pentanone (MIBK)	ND	U	10	1	11/08/20 23:58	
Styrene	ND	U	5.0	1	11/08/20 23:58	
1,1,2,2-Tetrachloroethane	ND	U	5.0	1	11/08/20 23:58	
Tetrachloroethene	ND	U	5.0	1	11/08/20 23:58	
Toluene	ND	U	5.0	1	11/08/20 23:58	
1,1,1-Trichloroethane	ND	U	5.0	1	11/08/20 23:58	
1,1,2-Trichloroethane	ND	U	5.0	1	11/08/20 23:58	
Trichloroethene	**6.8**		5.0	1	11/08/20 23:58	
Vinyl Chloride	ND	U	5.0	1	11/08/20 23:58	
o-Xylene	ND	U	5.0	1	11/08/20 23:58	
m,p-Xylenes	ND	U	5.0	1	11/08/20 23:58	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2010124
Project:	Crosman	**Date Collected:**	10/28/20 10:15
Sample Matrix:	Water	**Date Received:**	10/28/20 12:25
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2010124-004	**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	11/08/20 23:58	
Toluene-d8	96	87 - 121	11/08/20 23:58	
Dibromofluoromethane	92	80 - 116	11/08/20 23:58	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2010124
Project:	Crosman	**Date Collected:**	10/28/20 10:45
Sample Matrix:	Water	**Date Received:**	10/28/20 12:25
Sample Name:	MW-14	**Units:**	ug/L
Lab Code:	R2010124-005	**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	11/09/20 00:20	
Benzene	ND U	5.0	1	11/09/20 00:20	
Bromodichloromethane	ND U	5.0	1	11/09/20 00:20	
Bromoform	ND U	5.0	1	11/09/20 00:20	
Bromomethane	ND U	5.0	1	11/09/20 00:20	
2-Butanone (MEK)	ND U	10	1	11/09/20 00:20	
Carbon Disulfide	ND U	10	1	11/09/20 00:20	
Carbon Tetrachloride	ND U	5.0	1	11/09/20 00:20	
Chlorobenzene	ND U	5.0	1	11/09/20 00:20	
Chloroethane	ND U	5.0	1	11/09/20 00:20	
Chloroform	ND U	5.0	1	11/09/20 00:20	
Chloromethane	ND U	5.0	1	11/09/20 00:20	
Dibromochloromethane	ND U	5.0	1	11/09/20 00:20	
1,1-Dichloroethane	ND U	5.0	1	11/09/20 00:20	
1,2-Dichloroethane	ND U	5.0	1	11/09/20 00:20	
1,1-Dichloroethene	ND U	5.0	1	11/09/20 00:20	
cis-1,2-Dichloroethene	ND U	5.0	1	11/09/20 00:20	
trans-1,2-Dichloroethene	ND U	5.0	1	11/09/20 00:20	
1,2-Dichloropropane	ND U	5.0	1	11/09/20 00:20	
cis-1,3-Dichloropropene	ND U	5.0	1	11/09/20 00:20	
trans-1,3-Dichloropropene	ND U	5.0	1	11/09/20 00:20	
Ethylbenzene	ND U	5.0	1	11/09/20 00:20	
2-Hexanone	ND U	10	1	11/09/20 00:20	
Methylene Chloride	ND U	5.0	1	11/09/20 00:20	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	11/09/20 00:20	
Styrene	ND U	5.0	1	11/09/20 00:20	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	11/09/20 00:20	
Tetrachloroethene	ND U	5.0	1	11/09/20 00:20	
Toluene	ND U	5.0	1	11/09/20 00:20	
1,1,1-Trichloroethane	ND U	5.0	1	11/09/20 00:20	
1,1,2-Trichloroethane	ND U	5.0	1	11/09/20 00:20	
Trichloroethene	**15**	5.0	1	11/09/20 00:20	
Vinyl Chloride	ND U	5.0	1	11/09/20 00:20	
o-Xylene	ND U	5.0	1	11/09/20 00:20	
m,p-Xylenes	ND U	5.0	1	11/09/20 00:20	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2010124
Project:	Crosman	**Date Collected:**	10/28/20 10:45
Sample Matrix:	Water	**Date Received:**	10/28/20 12:25
Sample Name:	MW-14	**Units:**	ug/L
Lab Code:	R2010124-005	**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	89	85 - 122	11/09/20 00:20	
Toluene-d8	93	87 - 121	11/09/20 00:20	
Dibromofluoromethane	89	80 - 116	11/09/20 00:20	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2010124
Project:	Crosman	**Date Collected:**	10/28/20 11:15
Sample Matrix:	Water	**Date Received:**	10/28/20 12:25
Sample Name:	MW-13	**Units:**	ug/L
Lab Code:	R2010124-006	**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	25	2.5	11/09/20 00:42	
Benzene	ND	U	13	2.5	11/09/20 00:42	
Bromodichloromethane	ND	U	13	2.5	11/09/20 00:42	
Bromoform	ND	U	13	2.5	11/09/20 00:42	
Bromomethane	ND	U	13	2.5	11/09/20 00:42	
2-Butanone (MEK)	ND	U	25	2.5	11/09/20 00:42	
Carbon Disulfide	ND	U	25	2.5	11/09/20 00:42	
Carbon Tetrachloride	ND	U	13	2.5	11/09/20 00:42	
Chlorobenzene	ND	U	13	2.5	11/09/20 00:42	
Chloroethane	ND	U	13	2.5	11/09/20 00:42	
Chloroform	ND	U	13	2.5	11/09/20 00:42	
Chloromethane	ND	U	13	2.5	11/09/20 00:42	
Dibromochloromethane	ND	U	13	2.5	11/09/20 00:42	
1,1-Dichloroethane	ND	U	13	2.5	11/09/20 00:42	
1,2-Dichloroethane	ND	U	13	2.5	11/09/20 00:42	
1,1-Dichloroethene	ND	U	13	2.5	11/09/20 00:42	
cis-1,2-Dichloroethene	**32**		13	2.5	11/09/20 00:42	
trans-1,2-Dichloroethene	ND	U	13	2.5	11/09/20 00:42	
1,2-Dichloropropane	ND	U	13	2.5	11/09/20 00:42	
cis-1,3-Dichloropropene	ND	U	13	2.5	11/09/20 00:42	
trans-1,3-Dichloropropene	ND	U	13	2.5	11/09/20 00:42	
Ethylbenzene	ND	U	13	2.5	11/09/20 00:42	
2-Hexanone	ND	U	25	2.5	11/09/20 00:42	
Methylene Chloride	ND	U	13	2.5	11/09/20 00:42	
4-Methyl-2-pentanone (MIBK)	ND	U	25	2.5	11/09/20 00:42	
Styrene	ND	U	13	2.5	11/09/20 00:42	
1,1,2,2-Tetrachloroethane	ND	U	13	2.5	11/09/20 00:42	
Tetrachloroethene	ND	U	13	2.5	11/09/20 00:42	
Toluene	ND	U	13	2.5	11/09/20 00:42	
1,1,1-Trichloroethane	ND	U	13	2.5	11/09/20 00:42	
1,1,2-Trichloroethane	ND	U	13	2.5	11/09/20 00:42	
Trichloroethene	**29**		13	2.5	11/09/20 00:42	
Vinyl Chloride	ND	U	13	2.5	11/09/20 00:42	
o-Xylene	ND	U	13	2.5	11/09/20 00:42	
m,p-Xylenes	ND	U	13	2.5	11/09/20 00:42	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2010124
Project:	Crosman	**Date Collected:**	10/28/20 11:15
Sample Matrix:	Water	**Date Received:**	10/28/20 12:25
Sample Name:	MW-13	**Units:**	ug/L
Lab Code:	R2010124-006	**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	93	85 - 122	11/09/20 00:42	
Toluene-d8	97	87 - 121	11/09/20 00:42	
Dibromofluoromethane	92	80 - 116	11/09/20 00:42	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2010124
Project:	Crosman	**Date Collected:**	10/28/20
Sample Matrix:	Water	**Date Received:**	10/28/20 12:25
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2010124-007	**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	11/08/20 22:30	
Benzene	ND U	5.0	1	11/08/20 22:30	
Bromodichloromethane	ND U	5.0	1	11/08/20 22:30	
Bromoform	ND U	5.0	1	11/08/20 22:30	
Bromomethane	ND U	5.0	1	11/08/20 22:30	
2-Butanone (MEK)	ND U	10	1	11/08/20 22:30	
Carbon Disulfide	ND U	10	1	11/08/20 22:30	
Carbon Tetrachloride	ND U	5.0	1	11/08/20 22:30	
Chlorobenzene	ND U	5.0	1	11/08/20 22:30	
Chloroethane	ND U	5.0	1	11/08/20 22:30	
Chloroform	ND U	5.0	1	11/08/20 22:30	
Chloromethane	ND U	5.0	1	11/08/20 22:30	
Dibromochloromethane	ND U	5.0	1	11/08/20 22:30	
1,1-Dichloroethane	ND U	5.0	1	11/08/20 22:30	
1,2-Dichloroethane	ND U	5.0	1	11/08/20 22:30	
1,1-Dichloroethene	ND U	5.0	1	11/08/20 22:30	
cis-1,2-Dichloroethene	ND U	5.0	1	11/08/20 22:30	
trans-1,2-Dichloroethene	ND U	5.0	1	11/08/20 22:30	
1,2-Dichloropropane	ND U	5.0	1	11/08/20 22:30	
cis-1,3-Dichloropropene	ND U	5.0	1	11/08/20 22:30	
trans-1,3-Dichloropropene	ND U	5.0	1	11/08/20 22:30	
Ethylbenzene	ND U	5.0	1	11/08/20 22:30	
2-Hexanone	ND U	10	1	11/08/20 22:30	
Methylene Chloride	ND U	5.0	1	11/08/20 22:30	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	11/08/20 22:30	
Styrene	ND U	5.0	1	11/08/20 22:30	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	11/08/20 22:30	
Tetrachloroethene	ND U	5.0	1	11/08/20 22:30	
Toluene	ND U	5.0	1	11/08/20 22:30	
1,1,1-Trichloroethane	ND U	5.0	1	11/08/20 22:30	
1,1,2-Trichloroethane	ND U	5.0	1	11/08/20 22:30	
Trichloroethene	ND U	5.0	1	11/08/20 22:30	
Vinyl Chloride	ND U	5.0	1	11/08/20 22:30	
o-Xylene	ND U	5.0	1	11/08/20 22:30	
m,p-Xylenes	ND U	5.0	1	11/08/20 22:30	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2010124
Project:	Crosman	**Date Collected:**	10/28/20
Sample Matrix:	Water	**Date Received:**	10/28/20 12:25
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2010124-007	**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	91	85 - 122	11/08/20 22:30	
Toluene-d8	97	87 - 121	11/08/20 22:30	
Dibromofluoromethane	89	80 - 116	11/08/20 22:30	

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

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Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: ARCADIS U.S., Inc. (formerly ARCADIS of New York) **Service Request:** R2010124
Project: Crosman
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	Toluene-d8 87-121	Dibromofluoromethane 80-116
PW-1	R2010124-001	93	98	92
MW-16	R2010124-002	88	91	86
MW-4	R2010124-003	90	95	89
MW-5	R2010124-004	93	96	92
MW-14	R2010124-005	89	93	89
MW-13	R2010124-006	93	97	92
Trip Blank	R2010124-007	91	97	89
Method Blank	RQ2013654-05	94	99	92
Lab Control Sample	RQ2013654-03	92	95	92
Duplicate Lab Control Sample	RQ2013654-04	92	95	93

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2010124
Project:	Crosman	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2013654-05	**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	11/08/20 21:46	
Benzene	ND U	5.0	1	11/08/20 21:46	
Bromodichloromethane	ND U	5.0	1	11/08/20 21:46	
Bromoform	ND U	5.0	1	11/08/20 21:46	
Bromomethane	ND U	5.0	1	11/08/20 21:46	
2-Butanone (MEK)	ND U	10	1	11/08/20 21:46	
Carbon Disulfide	ND U	10	1	11/08/20 21:46	
Carbon Tetrachloride	ND U	5.0	1	11/08/20 21:46	
Chlorobenzene	ND U	5.0	1	11/08/20 21:46	
Chloroethane	ND U	5.0	1	11/08/20 21:46	
Chloroform	ND U	5.0	1	11/08/20 21:46	
Chloromethane	ND U	5.0	1	11/08/20 21:46	
Dibromochloromethane	ND U	5.0	1	11/08/20 21:46	
1,1-Dichloroethane	ND U	5.0	1	11/08/20 21:46	
1,2-Dichloroethane	ND U	5.0	1	11/08/20 21:46	
1,1-Dichloroethene	ND U	5.0	1	11/08/20 21:46	
cis-1,2-Dichloroethene	ND U	5.0	1	11/08/20 21:46	
trans-1,2-Dichloroethene	ND U	5.0	1	11/08/20 21:46	
1,2-Dichloropropane	ND U	5.0	1	11/08/20 21:46	
cis-1,3-Dichloropropene	ND U	5.0	1	11/08/20 21:46	
trans-1,3-Dichloropropene	ND U	5.0	1	11/08/20 21:46	
Ethylbenzene	ND U	5.0	1	11/08/20 21:46	
2-Hexanone	ND U	10	1	11/08/20 21:46	
Methylene Chloride	ND U	5.0	1	11/08/20 21:46	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	11/08/20 21:46	
Styrene	ND U	5.0	1	11/08/20 21:46	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	11/08/20 21:46	
Tetrachloroethene	ND U	5.0	1	11/08/20 21:46	
Toluene	ND U	5.0	1	11/08/20 21:46	
1,1,1-Trichloroethane	ND U	5.0	1	11/08/20 21:46	
1,1,2-Trichloroethane	ND U	5.0	1	11/08/20 21:46	
Trichloroethene	ND U	5.0	1	11/08/20 21:46	
Vinyl Chloride	ND U	5.0	1	11/08/20 21:46	
o-Xylene	ND U	5.0	1	11/08/20 21:46	
m,p-Xylenes	ND U	5.0	1	11/08/20 21:46	

Analytical Report

Client:	ARCADIS U.S., Inc. (formerly ARCADIS of New York)	**Service Request:**	R2010124
Project:	Crosman	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2013654-05	**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	11/08/20 21:46	
Toluene-d8	99	87 - 121	11/08/20 21:46	
Dibromofluoromethane	92	80 - 116	11/08/20 21:46	

Client: ARCADIS U.S., Inc. (formerly ARCADIS of New York) **Service Request:** R2010124
Project: Crosman **Date Analyzed:** 11/08/20
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					
		RQ2013654-03			RQ2013654-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Acetone	8260C	21.4	20.0	107	21.5	20.0	108	40-161	<1	30
Benzene	8260C	21.4	20.0	107	21.1	20.0	105	79-119	2	30
Bromodichloromethane	8260C	18.9	20.0	95	18.3	20.0	92	81-123	3	30
Bromoform	8260C	22.5	20.0	113	22.1	20.0	110	65-146	2	30
Bromomethane	8260C	18.5	20.0	93	16.6	20.0	83	42-166	11	30
2-Butanone (MEK)	8260C	21.6	20.0	108	22.4	20.0	112	61-137	4	30
Carbon Disulfide	8260C	18.5	20.0	93	18.3	20.0	92	66-128	<1	30
Carbon Tetrachloride	8260C	18.9	20.0	94	18.8	20.0	94	70-127	<1	30
Chlorobenzene	8260C	20.3	20.0	101	19.8	20.0	99	80-121	2	30
Chloroethane	8260C	18.2	20.0	91	17.6	20.0	88	62-131	3	30
Chloroform	8260C	20.7	20.0	103	19.9	20.0	100	79-120	4	30
Chloromethane	8260C	26.2	20.0	131	26.2	20.0	131	65-135	<1	30
Dibromochloromethane	8260C	22.1	20.0	111	21.7	20.0	108	72-128	2	30
1,1-Dichloroethane	8260C	21.3	20.0	107	20.7	20.0	104	80-124	3	30
1,2-Dichloroethane	8260C	19.6	20.0	98	18.9	20.0	94	71-127	4	30
1,1-Dichloroethene	8260C	23.5	20.0	118	22.3	20.0	112	71-118	5	30
cis-1,2-Dichloroethene	8260C	20.8	20.0	104	20.9	20.0	104	80-121	<1	30
trans-1,2-Dichloroethene	8260C	23.2	20.0	116	22.4	20.0	112	73-118	4	30
1,2-Dichloropropane	8260C	22.0	20.0	110	21.1	20.0	106	80-119	4	30
cis-1,3-Dichloropropene	8260C	19.6	20.0	98	19.5	20.0	98	77-122	<1	30
trans-1,3-Dichloropropene	8260C	19.6	20.0	98	18.7	20.0	93	71-133	5	30
Ethylbenzene	8260C	19.8	20.0	99	20.1	20.0	100	76-120	2	30
2-Hexanone	8260C	22.9	20.0	114	23.5	20.0	117	63-124	3	30
Methylene Chloride	8260C	20.6	20.0	103	19.9	20.0	100	73-122	3	30
4-Methyl-2-pentanone (MIBK)	8260C	22.6	20.0	113	22.3	20.0	112	66-124	1	30
Styrene	8260C	20.8	20.0	104	21.1	20.0	105	80-124	1	30
1,1,2,2-Tetrachloroethane	8260C	26.2	20.0	131 *	24.7	20.0	124	78-126	6	30
Tetrachloroethene	8260C	19.8	20.0	99	19.4	20.0	97	72-125	2	30
Toluene	8260C	21.6	20.0	108	20.8	20.0	104	79-119	4	30
1,1,1-Trichloroethane	8260C	19.3	20.0	96	18.9	20.0	95	75-125	2	30
1,1,2-Trichloroethane	8260C	21.0	20.0	105	20.5	20.0	103	82-121	2	30
Trichloroethene	8260C	17.9	20.0	89	17.5	20.0	87	74-122	2	30
Vinyl Chloride	8260C	20.3	20.0	101	20.0	20.0	100	74-159	1	30

Client: ARCADIS U.S., Inc. (formerly ARCADIS of New York)
Project: Crosman
Sample Matrix: Water

Service Request: R2010124
Date Analyzed: 11/08/20

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2013654-03			RQ2013654-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
o-Xylene	8260C	20.6	20.0	103	20.9	20.0	105	79-123	1	30
m,p-Xylenes	8260C	41.3	40.0	103	41.2	40.0	103	80-126	<1	30