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

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

Date:
June 24, 2016

Contact:
William B. Popham

Phone:
585 662 4022

Email:
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Our ref:
B0041501.0001

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 April 2016 at the Crosman site, located in East Bloomfield, New York (site).

The groundwater monitoring program at the site has gone through several changes over time. 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 April 18, 2016, Arcadis collected groundwater quality samples from monitoring wells PW-1, MW-3A, MW-4, MW-5, MW-13, MW-14, MW-15, MW-17, MW-18, MW-19, and MW-20. Site-wide water-level measurements were also obtained and are presented in Table 1. Figure 1 represents the groundwater elevation contour map for the April 2016 groundwater sampling event.

ALS Environmental (formerly Columbia Analytical Services) 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.

Analytical data from April 2016 reflects little change in levels of trichloroethene (TCE); overall decreases 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 decrease in concentration in production well PW-1 – from 98 parts per billion (ppb) in October 2015 to 79 ppb in April 2016.
- A continued non-detectable concentration in monitoring wells MW-4, MW-14, MW-15, MW-18, and MW-19.
- A decrease in concentration in monitoring well MW-5 – from 6.4 ppb in October 2015 to a non-detectable concentration in April 2016.
- A decrease in concentration in monitoring well MW-13 – from 400 ppb in October 2015 to 130 ppb in April 2016.
- An increase in concentration in monitoring well MW-3A – from 250 ppb in April 2015 to 350 ppb in April 2016.
- A decrease in concentration in monitoring well MW-17 – from 400 ppb in April 2015 to 340 ppb in April 2016.
- A slight increase in concentration in monitoring well MW-20 – from 110 ppb in April 2015 to 120 ppb in April 2016.

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.

PUMP WELL OPERATIONS

The 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 continues to maintain hydraulic control of the TCE plume contained in the groundwater system and to demonstrably abate the potential for direct human exposure.

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 goals of the NYSDEC's March 26, 1997 Record of Decision 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 second semiannual groundwater sampling event for 2016 is tentatively scheduled for the week of October 17, 2016. 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.
Keith Berger, Esq., New Coleman Holdings, Inc.
Thomas F. Walsh, Esq., Hiscock & Barclay, 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 – April 19, 2016

2 Map of Trichloroethylene Concentrations in Groundwater

Attachments

1 Laboratory Data

TABLES

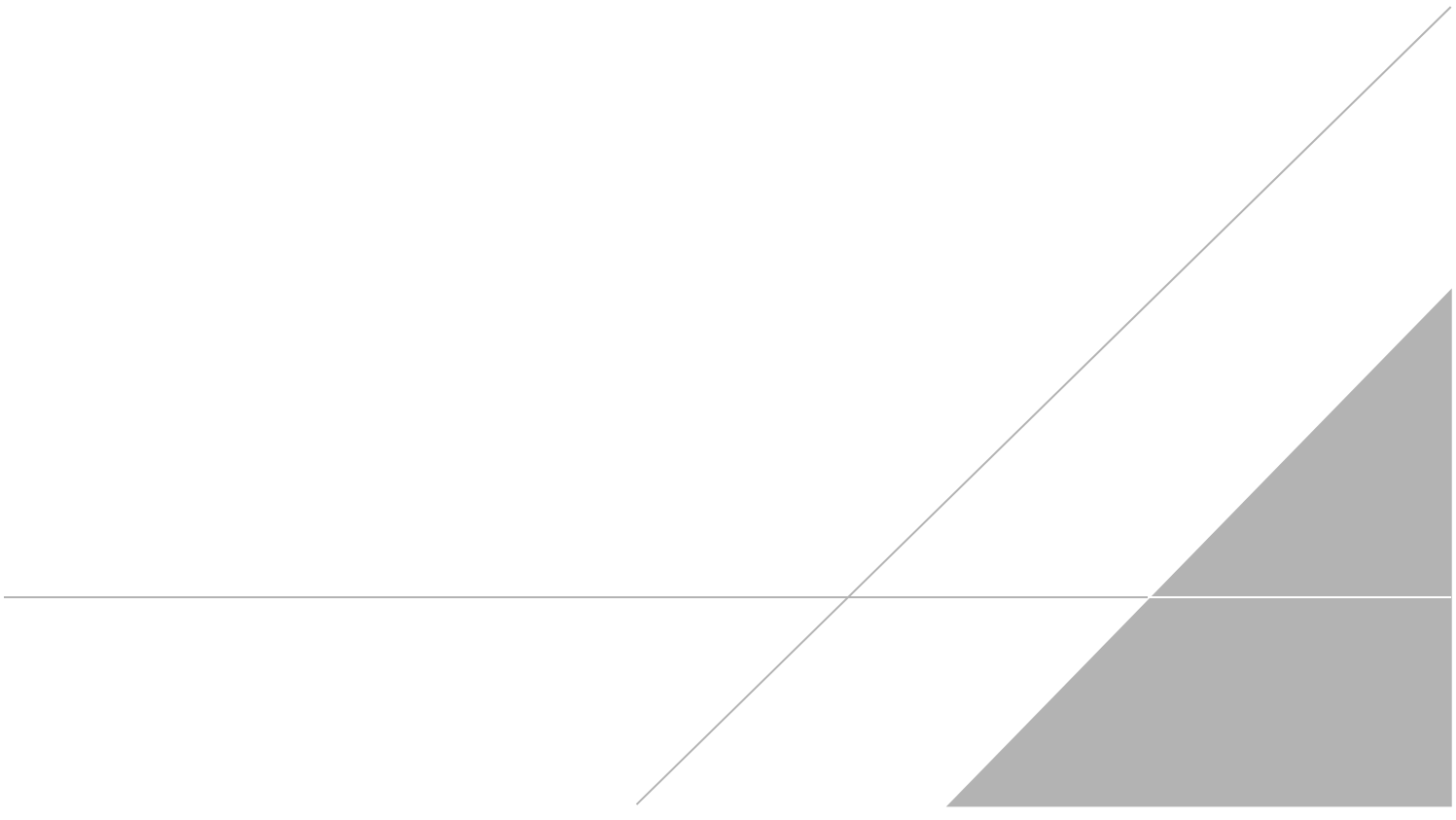

Table 1
Groundwater Elevation Data
Semiannual Groundwater Monitoring and Reporting
Crosman Site
East Bloomfield, New York

Location I.D.	T.O.R. Reference Elevation	January 25, 2006		April 11, 2006		July 20, 2006		October 24, 2006		January 25, 2007		April 26, 2007	
		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	Depth to Water	Groundwater Elevation
MW-1	1052.09	7.91	1044.18	8.55	1043.54	--	--	9.11	1042.98	7.03	1045.06	5.57	1046.52
MW-1A	1051.86	70.70	981.16	76.5	975.36	72.2	979.66	72.04	979.82	70.91	980.95	69.12	982.74
MW-2	1018.00	48.95	969.05	48.21	969.79	50.01	967.99	50.65	967.35	42.18	975.82	46.13	971.87
MW-3	1018.31	26.92	991.39	28.2	990.11	26.75	991.56	26.38	991.93	27.14	991.17	26.28	992.03
MW-3A	1017.81	49.10	968.71	47.59	970.22	50.73	967.08	49.96	967.85	47.76	970.05	45.93	971.88
MW-4	976.42	17.33	959.09	17.63	958.79	20.35	956.07	19.11	957.31	15.96	960.46	12.43	963.99
MW-5	978.93	18.64	960.29	15.02	963.91	17.17	961.76	17.03	961.9	13.99	964.94	10.91	968.02
MW-6	1015.95	46.58	969.37	45.85	970.1	47.58	968.37	48.16	967.79	45.6	970.35	43.56	972.39
MW-7	979.31	15.89	963.42	15.66	963.65	17.89	961.42	19.61	959.7	14.36	964.95	10.7	968.61
MW-8	1025.62	48.46	977.16	48.36	977.26	48.89	976.73	49.83	975.79	48.58	977.04	47.03	978.59
MW-9	1026.09	52.88	973.21	51.94	974.15	52.36	973.73	53.38	972.71	52.33	973.76	50.97	975.12
MW-10	1023.87	52.68	971.19	51.23	972.64	53.2	970.67	53.96	969.91	52.86	971.01	50.86	973.01
MW-11	1016.48	53.71	962.77	55.66	960.82	54.63	961.85	57.50	958.98	53.1	963.38	51.44	965.04
MW-12	981.84	23.12	958.72	23.23	958.61	26.01	955.83	24.87	956.97	21.74	960.1	18.35	963.49
MW-13	996.97	31.13	965.84	30.49	966.48	32.13	964.84	32.89	964.08	29.91	967.06	27.15	969.82
MW-14	1021.66	55.91	965.75	55.22	966.44	57.12	964.54	57.51	964.15	54.61	967.05	52.09	969.57
MW-15	971.90	12.63	959.27	12.79	959.11	15.49	956.41	15.19	956.71	11.41	960.49	7.42	964.48
MW-16	1026.88	54.55	972.33	54.09	972.79	55.01	971.87	55.84	971.04	54.25	972.63	52.67	974.21
MW-17	1024.17	49.65	974.52	49.41	974.76	51.38	972.79	50.54	973.63	52.48	971.69	48.95	975.22
MW-18	1002.64	33.93	966.71	33.77	968.87	35.49	967.15	35.24	967.4	33.5	969.14	31.18	971.46
MW-19	979.81	19.01	960.80	19.38	960.43	22.94	956.87	21.90	957.91	17.31	962.5	12.84	966.97
MW-20 (1)	1026.09	51.90	974.19	51.64	974.45	52.18	973.91	53.05	973.04	52.02	974.07	50.73	975.36
MW-21	--	52.28	--	51.94	--	52.66	--	55.49	--	53.02	--	47.31	---
PZ-1	1024.33	51.51	972.82	51.13	973.2	51.74	972.59	52.66	971.67	51.5	972.83	50.1	974.23
PZ-2	1024.89	54.58	970.31	53.82	971.07	55.31	969.58	55.95	968.94	54.07	970.82	52.4	972.49
PZ-3	979.23	--	--	20.31	958.92	22.66	956.57	21.68	957.55	--	--	15.36	963.87
PW-1	971.85	14.78	957.07	16.08	955.77	19.1	952.75	16.33	955.52	13.3	958.55	11.05	960.8

Notes on page 5.

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

Location I.D.	T.O.R. Reference Elevation	July 26, 2007		October 24, 2007		January 23, 2008		April 21, 2008		July 24, 2008	
		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	1052.09	6.74	1045.35	18.72	1033.37	9.78	1042.31	13.95	1038.14	14.3	1037.79
MW-1A	1051.86	68.83	983.03	70.63	981.23	73.88	977.98	71.48	980.38	70.83	981.03
MW-2	1018.00	47.96	970.04	50.28	967.72	50.46	967.54	48.18	969.82	49.76	968.24
MW-3	1018.31	27.97	990.34	28.84	989.47	27.52	990.79	27	991.31	27.42	990.89
MW-3A	1017.81	47.25	970.56	49.4	968.41	49.94	967.87	48.21	969.6	50.1	967.71
MW-4	976.42	18.60	957.82	20.92	955.5	18.78	957.64	15.19	961.23	19.54	956.88
MW-5	978.93	15.41	963.52	17.68	961.25	16.89	962.04	13.7	965.23	16.69	962.24
MW-6	1015.95	45.42	970.53	47.9	968.05	48.17	967.78	45.88	970.07	47.24	968.71
MW-7	979.31	16.14	963.17	18.34	960.97	17.5	961.81	13.97	965.34	17.35	961.96
MW-8	1025.62	46.81	978.81	48.52	977.1	49.52	976.1	49.29	976.33	48.69	976.93
MW-9	1026.09	50.44	975.65	52.02	974.07	53.31	972.78	52.82	973.27	52.4	973.69
MW-10	1023.87	51.19	972.68	53.15	970.72	53.84	970.03	52.68	971.19	53.07	970.8
MW-11	1016.48	52.94	963.54	54.68	961.8	54.81	961.67	53.04	963.44	54.15	962.33
MW-12	981.84	24.23	957.61	26.6	955.24	24.29	957.55	21.15	960.69	25.24	956.6
MW-13	996.97	30.64	966.33	33.05	963.92	32.49	964.48	29.61	967.36	32.22	964.75
MW-14	1021.66	55.11	966.55	57.43	964.23	57.34	964.32	54.5	967.16	56.59	965.07
MW-15	971.90	14.30	957.60	16.29	955.61	14.83	957.07	9.71	962.19	14.94	956.96
MW-16	1026.88	52.84	974.04	54.94	971.94	55.88	971	60.35	966.53	54.81	972.07
MW-17	1024.17	48.00	976.17	49.2	974.97	50.34	973.83	50.11	974.06	49.81	974.36
MW-18	1002.64	33.90	968.74	36.01	966.63	35.29	967.35	33.38	969.26	35.12	967.52
MW-19	979.81	21.45	958.36	24.25	955.56	21.76	958.05	18.45	961..36	22.28	957.53
MW-20 (1)	1026.09	50.26	975.83	51.9	974.19	52.99	973.1	52.52	973.57	52.14	973.95
MW-21	--	50.74	--	52.45	--	52.5	--	53.6	--	53.5	---
PZ-1	1024.33	49.76	974.57	51.6	972.73	52.67	971.66	51.98	972.35	51.72	972.61
PZ-2	1024.89	53.24	971.65	55.24	969.65	55.89	969	54.25	970.64	55.04	969.85
PZ-3	979.23	21.26	957.97	23.19	956.04	21.28	957.95	18.17	961.06	22.75	956.48
PW-1	971.85	15.90	955.95	18.2	953.65	16.88	954.97	13.9	957.95	17.99	953.86

Notes on page 5.

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 29, 2008		April 22, 2009		October 27, 2009		April 16, 2010		October 22, 2010	
		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	1052.09	13.09	1039	7.30	1044.79	16.03	1036.06	7.88	1044.21	13.65	1038.44
MW-1A	1051.86	72.15	979.71	71.47	980.39	71.27	980.59	71.86	980.00	72.08	979.78
MW-2	1018.00	50.91	967.09	47.25	970.75	50.11	967.89	48.96	969.04	51.12	966.88
MW-3	1018.31	27.25	991.06	27.50	990.81	28.42	989.89	27.57	990.74	27.53	990.78
MW-3A	1017.81	49.73	968.08	47.18	970.63	50.35	967.46	48.84	968.97	50.22	967.59
MW-4	976.42	NR	---	14.98	961.44	19.79	956.63	15.92	960.50	21.44	954.98
MW-5	978.93	18.13	960.8	13.19	965.74	17.01	961.92	19.85	959.08	18.14	960.79
MW-6	1015.95	48.38	967.57	44.68	971.27	47.70	968.25	46.54	969.41	48.80	967.15
MW-7	979.31	18.32	960.99	13.54	965.77	17.71	961.60	15.26	964.05	18.70	960.61
MW-8	1025.62	NR	---	NR	---	48.88	976.74	49.44	976.18	50.39	975.23
MW-9	1026.09	53.29	972.8	51.92	974.17	52.51	973.58	53.11	972.98	53.69	972.40
MW-10	1023.87	54.94	968.93	51.75	972.12	53.58	970.29	53.25	970.62	54.56	969.31
MW-11	1016.48	54.82	961.66	52.31	964.17	57.31	959.17	56.36	960.12	55.40	961.08
MW-12	981.84	26.16	955.68	20.79	961.05	24.96	956.88	21.80	960.04	27.27	954.57
MW-13	996.97	33.35	963.62	28.96	968.01	32.57	964.40	30.58	966.39	33.52	963.45
MW-14	1021.66	57.8	963.86	53.72	967.94	57.12	964.54	55.28	966.38	58.35	963.31
MW-15	971.90	15.59	956.31	10.54	961.36	19.82	952.08	15.43	956.47	19.36	952.54
MW-16	1026.88	57.63	969.25	55.49	971.39	55.35	971.53	55.55	971.33	56.52	970.36
MW-17	1024.17	50.3	973.87	49.36	974.81	52.38	971.79	53.25	970.92	50.61	973.56
MW-18	1002.64	36.03	966.61	32.62	970.02	35.49	967.15	36.65	965.99	39.20	963.44
MW-19	979.81	23.42	956.39	16.80	963.01	22.95	956.86	19.44	960.37	23.59	956.22
MW-20 (1)	1026.09	53.06	973.03	51.63	974.46	52.25	973.84	52.84	973.25	53.84	972.25
MW-21	--	53.94	---	51.95	---	54.15	---	52.92	---	53.93	---
PZ-1	1024.33	53.72	970.61	51.09	973.24	51.88	972.45	52.23	972.10	53.24	971.09
PZ-2	1024.89	55.95	968.94	53.32	971.57	55.30	969.59	54.72	970.17	56.53	968.36
PZ-3	979.23	23.1	956.13	17.16	962.07	21.70	957.53	18.43	960.80	24.24	954.99
PW-1	971.85	19	952.85	13.55	958.30	16.81	955.04	16.10	957.35	20.01	951.84

Notes on page 5.

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 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	1052.09	6.02	1046.07	15.31	1036.78	8.59	1043.50	18.25	1033.84	8.97	1043.12
MW-1A	1051.86	72.12	979.74	71.15	980.71	71.60	980.26	72.08	979.78	24.39	1027.47
MW-2	1018.00	48.64	969.36	50.57	967.43	51.18	966.82	51.70	966.30	51.15	966.85
MW-3	1018.31	26.40	991.91	27.01	991.3	28.72	989.59	27.98	990.33	27.81	990.50
MW-3A	1017.81	48.51	969.3	49.43	968.38	48.79	969.02	50.49	967.32	50.98	966.83
MW-4	976.42	14.34	962.08	21.80	954.62	18.24	958.18	22.80	953.62	18.37	958.05
MW-5	978.93	19.23	959.7	17.87	961.06	15.76	963.17	19.10	959.83	20.05	958.88
MW-6	1015.95	46.27	969.68	48.08	967.87	46.54	969.41	49.22	966.73	48.80	967.15
MW-7	979.31	13.60	965.71	18.59	960.72	16.52	962.79	19.76	959.55	17.57	961.74
MW-8	1025.62	49.84	975.78	NR	---	49.05	976.57	49.85	975.77	24.31	1001.31
MW-9	1026.09	53.59	972.5	52.50	973.59	52.76	973.33	53.57	972.52	34.89	991.20
MW-10	1023.87	53.08	970.79	53.29	970.58	52.79	971.08	54.51	969.36	55.09	968.78
MW-11	1016.48	53.48	963	54.72	961.76	54.05	962.43	55.88	960.60	55.05	961.43
MW-12	981.84	20.12	961.72	27.54	954.3	23.87	957.97	29.14	952.70	24.01	957.83
MW-13	996.97	29.85	967.12	33.34	963.63	31.41	965.56	34.49	962.48	38.94	958.03
MW-14	1021.66	54.70	966.96	57.75	963.91	56.02	965.64	58.88	962.78	57.72	963.94
MW-15	971.90	10.13	961.77	19.39	952.51	14.09	957.81	16.71	955.19	18.12	953.78
MW-16	1026.88	55.42	971.46	55.22	971.66	55.81	971.07	56.31	970.57	57.12	969.76
MW-17	1024.17	53.83	970.34	49.59	974.58	53.09	971.08	50.59	973.58	52.09	972.08
MW-18	1002.64	37.42	965.22	36.15	966.49	37.95	964.69	36.92	965.72	38.35	964.29
MW-19	979.81	16.13	963.68	24.35	955.46	20.60	959.21	25.50	954.31	21.80	958.01
MW-20 (1)	1026.09	53.29	972.8	52.34	973.75	52.44	973.65	53.39	972.70	54.81	971.28
MW-21	--	53.52	---	48.85	---	-	---	53.59	---	54.95	---
PZ-1	1024.33	52.78	971.55	51.98	972.35	51.92	972.41	52.96	971.37	54.23	970.10
PZ-2	1024.89	54.87	970.02	55.62	969.27	54.68	970.21	56.66	968.23	56.87	968.02
PZ-3	979.23	16.54	962.69	24.40	954.83	21.03	958.20	26.07	953.16	20.94	958.29
PW-1	971.85	12.09	959.76	20.22	951.63	16.43	955.42	21.19	950.66	16.81	955.04

Notes on page 5.

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 16, 2013		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	Depth to Water	Groundwater Elevation
MW-1	1052.09	15.55	1036.54	6.67	1045.42	13.33	1038.76	6.30	1045.79	12.89	1039.20	8.41	1043.68
MW-1A	1051.86	24.37	1027.49	24.35	1027.51	24.55	1027.31	24.75	1027.11	71.11	980.75	NR	---
MW-2	1018.00	50.80	967.20	50.45	967.55	50.14	967.86	48.75	969.25	49.75	968.25	49.25	968.75
MW-3	1018.31	27.95	990.36	25.57	992.74	27.77	990.54	26.63	991.68	27.74	990.57	28.29	990.02
MW-3A	1017.81	50.13	967.68	50.49	967.32	49.53	968.28	48.71	969.10	49.40	968.41	49.12	968.69
MW-4	976.42	18.60	957.82	14.79	961.63	20.45	955.97	15.70	960.72	21.55	954.87	17.94	958.48
MW-5	978.93	15.35	963.58	14.74	964.19	17.19	961.74	14.29	964.64	16.80	962.13	15.70	963.23
MW-6	1015.95	48.34	967.61	48.20	967.75	47.69	968.26	46.09	969.86	47.16	968.79	46.59	969.36
MW-7	979.31	17.75	961.56	14.72	964.59	17.71	961.60	14.59	964.72	18.18	961.13	14.15	965.16
MW-8	1025.62	50.15	975.47	51.23	974.39	49.26	976.36	49.05	976.57	48.61	977.01	49.18	976.44
MW-9	1026.09	53.67	972.42	54.82	971.27	52.75	973.34	52.59	973.50	51.95	974.14	52.75	973.34
MW-10	1023.87	54.23	969.64	54.74	969.13	53.33	970.54	52.60	971.27	52.75	971.12	52.93	970.94
MW-11	1016.48	55.22	961.26	54.55	961.93	54.63	961.85	53.31	963.17	54.43	962.05	54.09	962.39
MW-12	981.84	24.73	957.11	20.69	961.15	26.11	955.73	21.52	960.32	27.70	954.14	23.82	958.02
MW-13	996.97	32.68	964.29	31.33	965.64	32.63	964.34	21.33	975.64	28.11	968.86	31.35	965.62
MW-14	1021.66	57.34	964.32	56.54	965.12	57.14	964.52	55.11	966.55	57.08	964.58	56.00	965.66
MW-15	971.90	13.96	957.94	12.30	959.60	15.32	956.58	10.59	961.31	15.60	956.30	13.54	958.36
MW-16	1026.88	56.11	970.77	56.81	970.07	55.14	971.74	54.56	972.32	54.45	972.43	54.80	972.08
MW-17	1024.17	50.84	973.33	51.92	972.25	50.00	974.17	50.21	973.96	49.55	974.62	50.27	973.90
MW-18	1002.64	35.59	967.05	13.77	988.87	35.34	967.30	NR	---	34.58	968.06	34.62	968.02
MW-19	979.81	22.33	957.48	15.45	964.36	22.59	957.22	16.73	963.08	23.29	956.52	20.16	959.65
MW-20 (1)	1026.09	53.49	972.60	54.44	971.65	52.55	973.54	52.24	973.85	51.71	974.38	52.48	973.61
MW-21	--	53.59	---	--	---	60.87	---	50.71	---	50.91	---	54.15	---
PZ-1	1024.33	53.03	971.30	53.93	970.40	51.95	972.38	NR	---	51.33	973.00	51.93	972.40
PZ-2	1024.89	56.18	968.71	56.45	968.44	55.34	969.55	54.45	970.44	54.93	969.96	54.84	970.05
PZ-3	979.23	21.82	957.41	17.51	961.72	23.19	956.04	18.05	961.18	24.60	954.63	20.70	958.53
PW-1	971.85	17.55	954.30	12.57	959.28	18.35	953.50	12.68	959.17	19.72	952.13	15.63	956.22

Notes:
All data are expressed in feet.
T.O.R. = top of polyvinyl chloride riser
PW reference elevation is taken from baseplate of well pump as provided in Labella's *Preliminary Site Assessment Report* (August 1993).
Wells MW-17, MW-18, MW-19, IRM-1, PZ-1, and PZ-2 were installed during October and November 1994.
Monitoring well MW-1A was installed on September 18 and 19, 1996.
(1) Monitoring well MW-20 was formerly IRM-1.
MW-21 was installed July 31, 2000 through August 3, 2000.
PZ-3 was installed on May 14, 2001.
Groundwater elevations for May and June 2001 were taken during the hydraulic control test for well PW-1.
Depth to water measurements for October 2004 were taken between October 27 to 29, 2004.
NR = not recorded

Table 2
Program Monitoring Wells
Groundwater Analytical Results

Crosman Site
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Well I.D.	MW-3A							
Date Sampled	**25-Jan-06**	**11-Apr-06**	**20-Jul-06**	**25-Jan-07**	**26-Jul-07**	**23-Jan-08**	**24-Jul-08**	**22-Apr-09**
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	100	130	110	120	65	53	91
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-3A (cont.)						
Date Sampled	**16-Apr-10**	**21-Apr-11**	**16-Apr-12**	**8-Apr-13**	**9-Apr-14**	**22-Apr-15**	**18-Apr-16**
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	230 D	240	210	190	280	250	350
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	**25-Jan-07**	**26-Apr-07**	**26-Jul-07**	**24-Oct-07**	**23-Jan-08**	**21-Apr-08**	**24-Jul-08**	**29-Oct-08**	**22-Apr-09**	**27-Oct-09**	**22-Oct-10**
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	-	-	-	-	5.6	-	-	-	-	-	-
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	**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**	**18-Apr-16**
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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Program Monitoring Wells
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Crosman Site
East Bloomfield, New York

Well I.D.	MW-5								
Date Sampled	**25-Jan-06**	**11-Apr-06**	**20-Jul-06**	**24-Oct-06**	**25-Jan-07**	**26-Apr-07**	**26-Jul-07**	**24-Oct-07**	**23-Jan-08**
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	-	-	18	16	17	35	25	26	23
Toluene	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-

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Program Monitoring Wells
Groundwater Analytical Results

Crosman Site
East Bloomfield, New York

Well I.D.	MW-5 (cont.)								
Date Sampled	**21-Apr-08**	**24-Jul-08**	**29-Oct-08**	**22-Apr-09**	**27-Oct-09**	**16-Apr-10**	**22-Oct-10**	**21-Apr-11**	**20-Oct-11**
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	21	26	29	24	31	28	29	29	27
Toluene	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-

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Program Monitoring Wells
Groundwater Analytical Results

Crosman Site
East Bloomfield, New York

Well I.D.	MW-5 (cont.)								
Date Sampled	**16-Apr-12**	**10-Oct-12**	**8-Apr-13**	**16-Oct-13**	**9-Apr-14**	**29-Oct-14**	**22-Apr-15**	**21-Oct-15**	**18-Apr-16**
Volatiles									
Acetone	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	6.28	9.6	-	8.8	17	15	14
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-
Trichloroethene	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
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Crosman Site
East Bloomfield, New York

Well I.D.	MW-13								
Date Sampled	**25-Jan-06**	**11-Apr-06**	**20-Jul-06**	**25-Jan-07**	**26-Apr-07**	**26-Jul-07**	**24-Oct-07**	**23-Jan-08**	**21-Apr-08**
Volatiles									
Acetone	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	58	-	-	6.4 J	51	-	-	-	50
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-
Trichloroethene	1700	2100	2400	920	1600	2100	1900	580	1300 D
Toluene	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-

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Program Monitoring Wells
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Crosman Site
East Bloomfield, New York

Well I.D.	MW-13 (cont.)								
Date Sampled	**24-Jul-08**	**29-Oct-08**	**22-Apr-09**	**27-Oct-09**	**16-Apr-10**	**22-Oct-10**	**21-Apr-11**	**20-Oct-11**	**16-Apr-12**
Volatiles									
Acetone	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	33	11	29	-	28
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-
Trichloroethene	1800	1000 D	1600	850 D	640	630 D	590	610	460
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	**10-Oct-12**	**8-Apr-13**	**16-Oct-13**	**9-Apr-14**	**29-Oct-14**	**22-Apr-15**	**21-Oct-15**	**18-Apr-16**
Volatiles								
Acetone	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	28	19.2	-	-	-	-	29	-
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	640	381	480	310	190	180	400 D	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	**25-Jan-06**	**11-Apr-06**	**20-Jul-06**	**24-Oct-06**	**25-Jan-07**	**26-Apr-07**	**26-Jul-07**	**24-Oct-07**	**23-Jan-08**
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	5.9	14	46	20	17	19	47	32	-
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 (cont.)								
Date Sampled	**21-Apr-08**	**24-Jul-08**	**29-Oct-08**	**22-Apr-09**	**27-Oct-09**	**16-Apr-10**	**22-Oct-10**	**21-Apr-11**	**20-Oct-11**
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	-	-	10	-	-	-	-
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 (cont.)								
Date Sampled	**16-Apr-12**	**10-Oct-12**	**8-Apr-13**	**16-Oct-13**	**9-Apr-14**	**29-Oct-14**	**22-Apr-15**	**21-Oct-15**	**18-Apr-16**
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	-	-	-	-	-	-	-	-	-
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	**11-Apr-06**	**25-Jan-07**	**26-Jul-07**	**23-Jan-08**	**24-Jul-08**	**22-Apr-09**	**27-Oct-09**	**16-Apr-10**	**22-Oct-10**	**21-Apr-11**
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-15 (cont.)									
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**	**18-Apr-16**
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-17							
Date Sampled	**25-Jan-06**	**11-Apr-06**	**20-Jul-06**	**24-Oct-06**	**25-May-07**	**24-Oct-07**	**21-Apr-08**	**29-Oct-08**
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	350	370	380	470 D	590 D	660	670	710
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 (cont.)							
Date Sampled	**22-Apr-09**	**16-Apr-10**	**21-Apr-11**	**16-Apr-12**	**8-Apr-13**	**9-Apr-14**	**22-Apr-15**	**18-Apr-16**
Volatiles								
Acetone	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	6.48	-	-	-
trans-1,2-Dichloroethene	-	25	-	25	13.4	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-
Trichloroethene	500	480	510	370	324	440	400	340
Toluene	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-

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Program Monitoring Wells
Groundwater Analytical Results

Crosman Site
East Bloomfield, New York

Well I.D.	MW-18							
Date Sampled	**11-Apr-06**	**25-Jan-07**	**26-Jul-07**	**23-Jan-08**	**24-Jul-08**	**22-Apr-09**	**27-Oct-09**	**16-Apr-10**
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-18 (cont.)							
Date Sampled	**22-Oct-10**	**21-Apr-11**	**20-Oct-11**	**16-Apr-12**	**8-Apr-13**	**9-Apr-14**	**22-Apr-15**	**18-Apr-16**
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-19								
Date Sampled	**11-Apr-06**	**24-Oct-06**	**26-Apr-07**	**24-Oct-07**	**21-Apr-08**	**29-Oct-08**	**22-Apr-09**	**27-Oct-09**	**16-Apr-10**
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-19 (cont.)							
Date Sampled	**22-Oct-10**	**21-Apr-11**	**20-Oct-11**	**16-Apr-12**	**8-Apr-13**	**9-Apr-14**	**22-Apr-15**	**18-Apr-16**
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	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-

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Table 2
Program Monitoring Wells
Groundwater Analytical Results

Crosman Site
East Bloomfield, New York

Well I.D.	PW-1								
Date Sampled	**25-Jan-06**	**11-Apr-06**	**20-Jul-06**	**24-Oct-06**	**25-Jan-07**	**26-Apr-07**	**26-Jul-07**	**24-Oct-07**	**23-Jan-08**
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	300	360	350	260	220	110	400 E	330 D	280 D
Toluene	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-

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Table 2
Program Monitoring Wells
Groundwater Analytical Results

Crosman Site
East Bloomfield, New York

Well I.D.	PW-1 (cont.)								
Date Sampled	**21-Apr-08**	**24-Jul-08**	**29-Oct-08**	**22-Apr-09**	**27-Oct-09**	**11-Apr-10**	**22-Oct-10**	**21-Apr-11**	**20-Oct-11**
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	160	290	220	92	260	150	200 D	92	160
Toluene	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-

Notes on page 27.

Table 2
Program Monitoring Wells
Groundwater Analytical Results

Crosman Site
East Bloomfield, New York

Well I.D.	PW-1 (cont.)								
Date Sampled	**16-Apr-12**	**10-Oct-12**	**8-Apr-13**	**16-Oct-13**	**9-Apr-14**	**29-Oct-14**	**27-Apr-15**	**21-Oct-15**	**18-Apr-16**
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	130	150	105	140	120	110	69	98	79
Toluene	-	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-	-

Notes on page 27.

Table 2
Program Monitoring Wells
Groundwater Analytical Results

Crosman Site
East Bloomfield, New York

Well I.D.	MW-20 (formerly IRM-1)							
Date Sampled	**25-Jan-06**	**11-Apr-06**	**20-Jul-06**	**24-Oct-06**	**26-Apr-07**	**24-Oct-07**	**21-Apr-08**	**29-Oct-08**
Volatiles								
Acetone	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-
Carbon Disulfide	-	-	-	-	-	-	-	-
Carbon Tetrachloride	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	22	19	17	16	13	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-
Methlyene Chloride	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-
Trichloroethene	270	280	260	230	210	220	180	180
Toluene	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-

Notes on page 27.

Table 2
Program Monitoring Wells
Groundwater Analytical Results

Crosman Site
East Bloomfield, New York

Well I.D.	MW-20 (formerly IRM-1 cont.)							
Date Sampled	**22-Apr-09**	**16-Apr-10**	**21-Apr-11**	**16-Apr-12**	**8-Apr-13**	**9-Apr-14**	**22-Apr-15**	**18-Apr-16**
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	160	130	150	130	138	170	110	120
Toluene	-	-	-	-	-	-	-	-
Xylenes (total)	-	-	-	-	-	-	-	-

Notes on page 27.

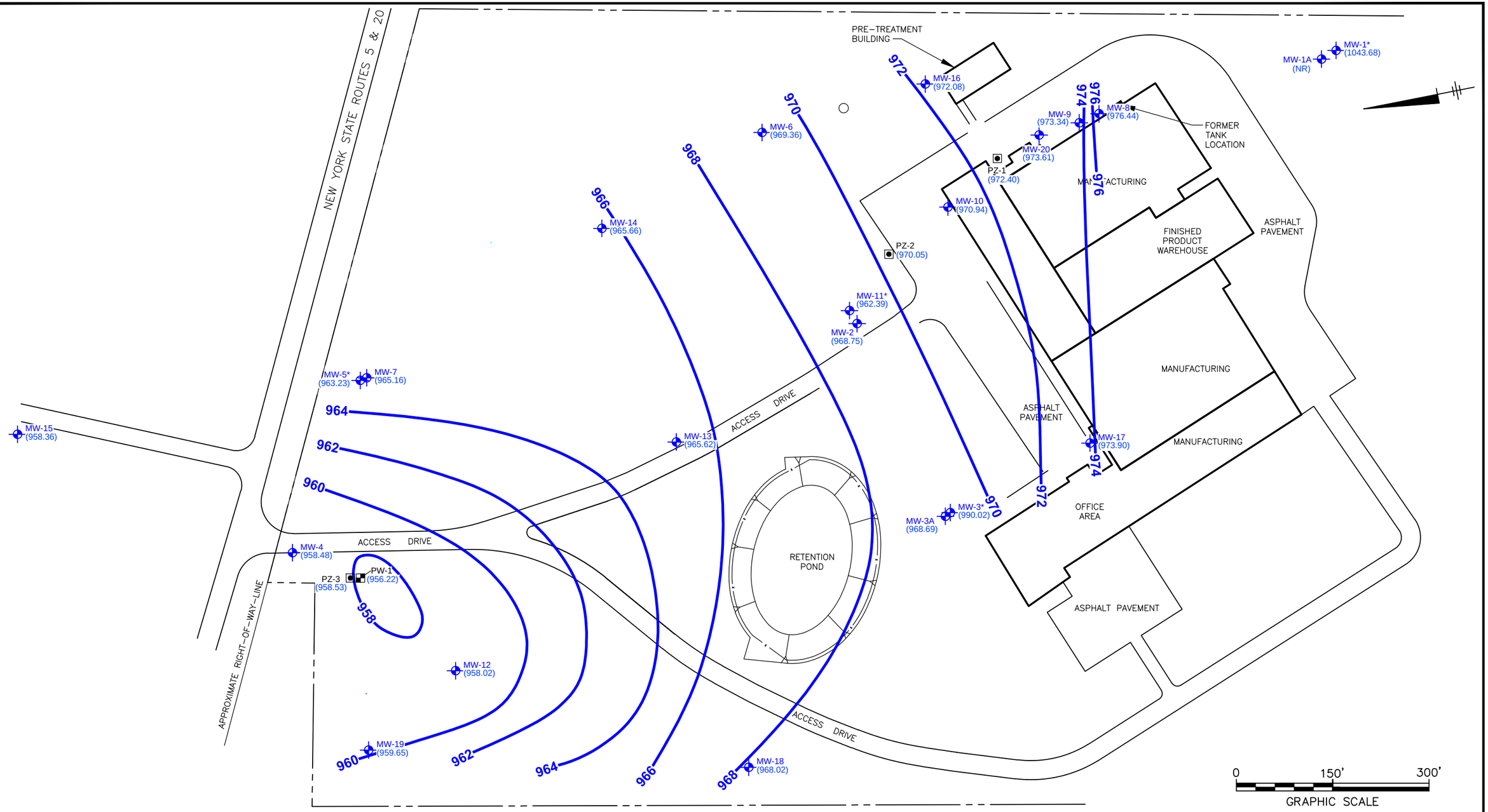
Table 2
Program Monitoring Wells
Groundwater Analytical Results
Qualifiers and Notes

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



NOTES:

1. THE PLANIMETRIC DETAIL AND BOUNDARY LINES SHOWN HERE WERE TAKEN FROM A PLAN ENTITLED "CROSMAN CORPORATION, REMEDIAL INVESTIGATION/INTERIM REMEDIAL MEASURES," PREPARED BY LABELLA, HAVING FILE NUMBER 9124301, AND BEING LAST DATED JUNE, 1993. PLANIMETRIC AND BOUNDARY INFORMATION WAS SHOWN ONLY FOR THE PURPOSE OF ORIENTATION TO MONITORING WELL LOCATIONS.
2. PROJECT BENCHMARK AT TOP OF CASING ON MW-7, ASSUMED LABELLA DATUM ELEV.= 979.71' ABOVE MEAN SEA LEVEL.
3. LOCATION OF WELLS ARE APPROXIMATE.
4. * MONITORING WELLS MW-1, MW-3, MW-5, AND MW-11 WERE NOT USED IN CONTOURING.
5. AMSL = ABOVE MEAN SEA LEVEL.

LEGEND:

- GROUNDWATER MONITORING WELL
- PRODUCTION WELL
- PIEZOMETER
- APPROXIMATE PROPERTY BOUNDARY
- NR — NOT RECORDED
- (954.14) — GROUNDWATER ELEVATION (FEET AMSL)
- 966 — GROUNDWATER ELEVATION CONTOUR (FEET AMSL) (DASHED WHERE INFERRED)

CROSMAN CORPORATION SITE
EAST BLOOMFIELD, NEW YORK

GROUNDWATER ELEVATION CONTOUR MAP APRIL 19, 2016

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1

MW-14

Jan-06	Apr-06	Jul-06	Oct-06	Jan-07	Apr-07
5.9	14	46	20	17	19
Jul-07	Oct-07	Jan-08	Apr-08	Jul-08	Oct-08
47	32	ND	ND	15	ND
Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11
ND	10	ND	ND	ND	ND
Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14
ND	ND	ND	ND	ND	ND
Apr-15	Oct-15	Apr-16			
ND	ND	ND			

MW-20

Jan-06	Apr-06	Jul-06	Oct-06	Apr-07	Oct-07
270	280	260	230	210	220
Apr-08	Oct-08	Apr-09	Apr-10	Apr-11	Apr-12
180	180	160	130	150	130
Apr-13	Apr-14	Apr-15	Apr-16		
138	170	110	120		

MW-5

Jan-06	Apr-06	Jul-06	Oct-06	Jan-07	Apr-07
ND	ND	18	16	17	35
Jul-07	Oct-07	Jan-08	Apr-08	Jul-08	Oct-08
25	26	23	21	26	29
Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11
24	31	28	29	29	27
Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14
23	33	16.4	19	7.9	8.7
Apr-15	Oct-15	Apr-16			
5.7	6.4	ND			

MW-13

Jan-06	Apr-06	Jul-06	Jan-07	Apr-07	Jul-07
1700	2100	2400	920	1600	2100
Oct-07	Jan-08	Apr-08	Jul-08	Oct-08	Apr-09
1900	580	1300 D	1800	1000 D	1600
Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12
850 D	640	630 D	590	610	460
Oct-12	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15
640	381	480	310	190	180
Oct-15	Apr-16				
400 D	130				

MW-15

Apr-06	Jan-07	Jul-07	Jan-08	Jul-08	Apr-09
ND	ND	ND	ND	ND	ND
Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12
ND	ND	ND	ND	ND	ND
Oct-12	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15
ND	ND	ND	ND	ND	ND
Oct-15	Apr-16				
ND	ND				

MW-4

Jan-07	Apr-07	Jul-07	Oct-07	Jan-08	Apr-08
8.6	ND	ND	ND	5.6	ND
Jul-08	Oct-08	Apr-09	Oct-09	Oct-10	Apr-11
ND	ND	ND	ND	ND	ND
Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14
ND	ND	ND	4.06	ND	4.06
Oct-14	Apr-15	Oct-15	Apr-16		
ND	ND	ND	ND		

PW-1

Jan-06	Apr-06	Jul-06	Oct-06	Jan-07	Apr-07
300	360	350	260	220	110
Jul-07	Oct-07	Jan-08	Apr-08	Jul-08	Oct-08
400 E	330 D	280 D	160	290	220
Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11
92	260	150	200 D	92	160
Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14
130	150	105	140	120	110
Apr-15	Oct-15	Apr-16			
69	98	79			

MW-19

Apr-06	Oct-06	Apr-07	Oct-07	Apr-08	Oct-08
ND	ND	ND	ND	ND	ND
Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11
ND	ND	ND	ND	ND	ND
Apr-12	Apr-13	Apr-14	Apr-15	Apr-16	
ND	ND	ND	ND	ND	

MW-18

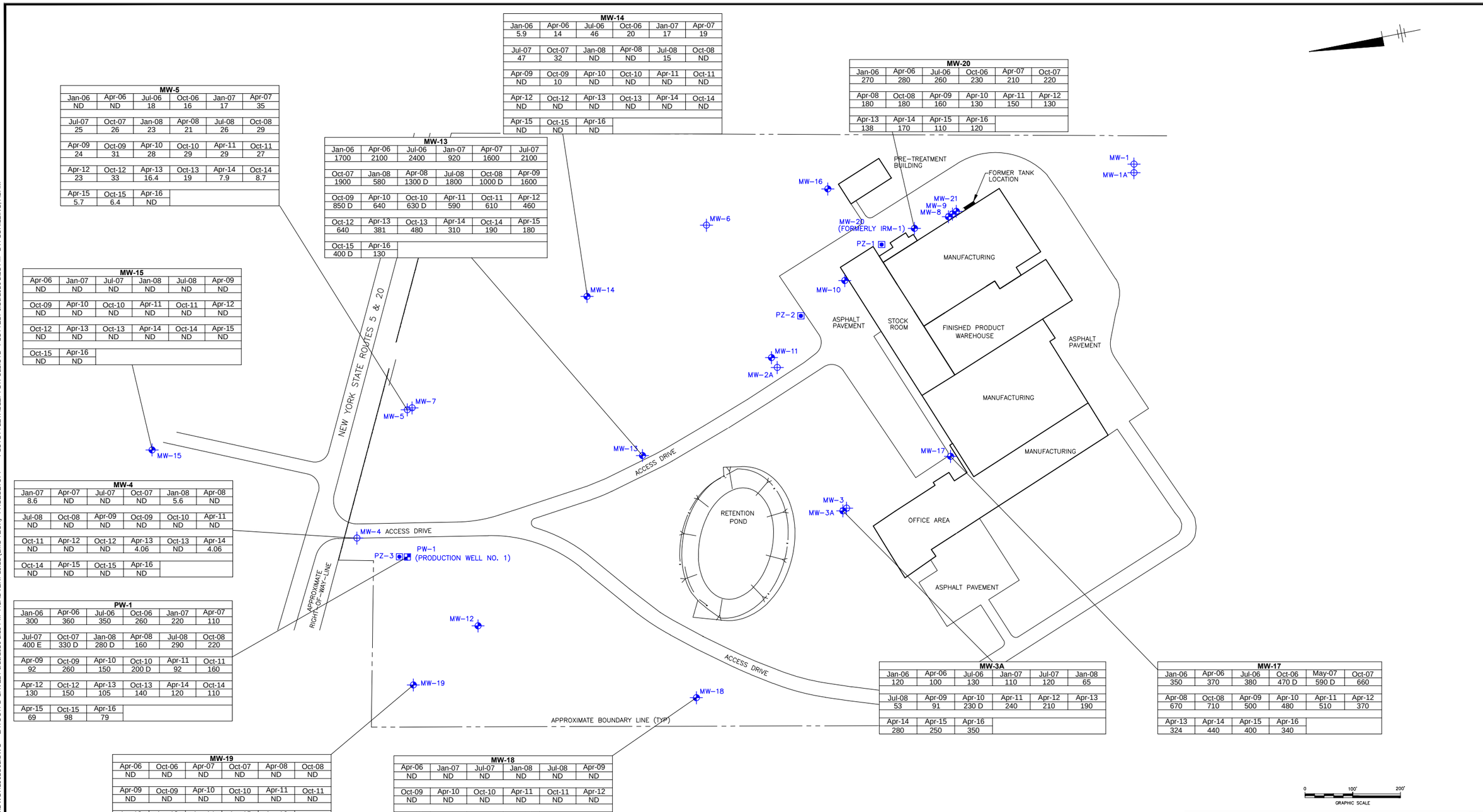
Apr-06	Jan-07	Jul-07	Jan-08	Jul-08	Apr-09
ND	ND	ND	ND	ND	ND
Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12
ND	ND	ND	ND	ND	ND
Apr-13	Apr-14	Apr-15	Apr-16		
ND	ND	ND	ND		

MW-3A

Jan-06	Apr-06	Jul-06	Jan-07	Jul-07	Jan-08
120	100	130	110	120	65
Jul-08	Apr-09	Apr-10	Apr-11	Apr-12	Apr-13
53	91	230 D	240	210	190
Apr-14	Apr-15	Apr-16			
280	250	350			

MW-17

Jan-06	Apr-06	Jul-06	Oct-06	May-07	Oct-07
350	370	380	470 D	590 D	660
Apr-08	Oct-08	Apr-09	Apr-10	Apr-11	Apr-12
670	710	500	480	510	370
Apr-13	Apr-14	Apr-15	Apr-16		
324	440	400	340		



NOTES:

1. THE PLANIMETRIC DETAIL AND BOUNDARY LINES SHOWN HERE WERE TAKEN FROM A PLAN ENTITLED "CROSMAN CORPORATION, REMEDIAL INVESTIGATION/INTERIM REMEDIAL MEASURES," PREPARED BY LABELLA, HAVING FILE NUMBER 9124301, AND BEING LAST DATED JUNE, 1993. PLANIMETRIC AND BOUNDARY INFORMATION WAS SHOWN ONLY FOR THE PURPOSE OF ORIENTATION TO MONITORING WELL LOCATIONS. LOCATION OF IRM-1 AND ADJACENT BUILDING ARE APPROXIMATE.
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 ELITER (ug/L).
4. LOCATION OF FEATURES SUCH AS MONITORING WELLS AND PIEZOMETERS ARE APPROXIMATE
5. ND = NOT DETECTED. COMPOUNDS DETECTED IN MS/MSD ARE NOT SHOWN.
   J = COMPOUND WAS POSITIVELY IDENTIFIED. HOWEVER, THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY.
   D = SECONDARY DILUTION
   E = EXCEEDS CALIBRATION RANGE

LEGEND:

- MONITORING WELL BY BBL
- MONITORING WELL BY LABELLA
- PRODUCTION WELL
- PIEZOMETER

CROSMAN CORPORATION SITE
EAST BLOOMFIELD, NEW YORK

MAP OF TRICHLOROETHYLENE CONCENTRATIONS IN GROUNDWATER

ARCADIS

FIGURE
2

ATTACHMENT 1

Laboratory Data Report

April 26, 2016 Service Request No:R1603729

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 April 18, 2016
For your reference, these analyses have been assigned our service request number **R1603729.**

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, 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) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

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

CASE NARRATIVE

This report contains analytical results for the following samples:

Service Request Number: R1603729

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R1603729-001	PW-1	4/18/2016	0800
R1603729-002	MW-5	4/18/2016	0830
R1603729-003	MW-14	4/18/2016	0900
R1603729-004	MW-3A	4/18/2016	0930
R1603729-005	MW-17	4/18/2016	0945
R1603729-006	MW-20	4/18/2016	1015
R1603729-007	MW-13	4/18/2016	1100
R1603729-008	MW-19	4/18/2016	1115
R1603729-009	MW-18	4/18/2016	1145
R1603729-010	MW-4	4/18/2016	1215
R1603729-011	MW-15	4/18/2016	1245
R1603729-012	TRIP	4/18/2016	

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by ALS personnel have been in accordance with “ALS Field Procedures and Measurements Manual” or by client specifications.

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% (25% for CLP) 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	New Hampshire ID # 294100 A/B
Delaware Accredited	Nebraska Accredited	
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047	North Carolina #676	Virginia #460167

[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 http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

Analytical Report

Client:	ARCADIS of New York, Inc.	**Service Request:**	R1603729
Project:	Crosman/B0041501.0001.00095	**Date Collected:**	04/18/16 08:00
Sample Matrix:	Water	**Date Received:**	04/18/16 13:50
Sample Name:	PW-1	**Units:**	ug/L
Lab Code:	R1603729-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	04/22/16 01:21	
Benzene	5.0 U	5.0	1	04/22/16 01:21	
Bromodichloromethane	5.0 U	5.0	1	04/22/16 01:21	
Bromoform	5.0 U	5.0	1	04/22/16 01:21	
Bromomethane	5.0 U	5.0	1	04/22/16 01:21	
2-Butanone (MEK)	10 U	10	1	04/22/16 01:21	
Carbon Disulfide	10 U	10	1	04/22/16 01:21	
Carbon Tetrachloride	5.0 U	5.0	1	04/22/16 01:21	
Chlorobenzene	5.0 U	5.0	1	04/22/16 01:21	
Chloroethane	5.0 U	5.0	1	04/22/16 01:21	
Chloroform	5.0 U	5.0	1	04/22/16 01:21	
Chloromethane	5.0 U	5.0	1	04/22/16 01:21	
Dibromochloromethane	5.0 U	5.0	1	04/22/16 01:21	
1,1-Dichloroethane	5.0 U	5.0	1	04/22/16 01:21	
1,2-Dichloroethane	5.0 U	5.0	1	04/22/16 01:21	
1,1-Dichloroethene	5.0 U	5.0	1	04/22/16 01:21	
cis-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 01:21	
trans-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 01:21	
1,2-Dichloropropane	5.0 U	5.0	1	04/22/16 01:21	
cis-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 01:21	
trans-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 01:21	
Ethylbenzene	5.0 U	5.0	1	04/22/16 01:21	
2-Hexanone	10 U	10	1	04/22/16 01:21	
Methylene Chloride	5.0 U	5.0	1	04/22/16 01:21	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	04/22/16 01:21	
Styrene	5.0 U	5.0	1	04/22/16 01:21	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	04/22/16 01:21	
Tetrachloroethene	5.0 U	5.0	1	04/22/16 01:21	
Toluene	5.0 U	5.0	1	04/22/16 01:21	
1,1,1-Trichloroethane	5.0 U	5.0	1	04/22/16 01:21	
1,1,2-Trichloroethane	5.0 U	5.0	1	04/22/16 01:21	
Trichloroethene	**79**	5.0	1	04/22/16 01:21	
Vinyl Chloride	5.0 U	5.0	1	04/22/16 01:21	
o-Xylene	5.0 U	5.0	1	04/22/16 01:21	
m,p-Xylenes	5.0 U	5.0	1	04/22/16 01:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	111	85 - 122	04/22/16 01:21	
Toluene-d8	112	87 - 121	04/22/16 01:21	
Dibromofluoromethane	112	89 - 119	04/22/16 01:21	

Client:	ARCADIS of New York, Inc.	**Service Request:**	R1603729
Project:	Crosman/B0041501.0001.00095	**Date Collected:**	04/18/16 08:30
Sample Matrix:	Water	**Date Received:**	04/18/16 13:50
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R1603729-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	04/22/16 01:52	
Benzene	5.0 U	5.0	1	04/22/16 01:52	
Bromodichloromethane	5.0 U	5.0	1	04/22/16 01:52	
Bromoform	5.0 U	5.0	1	04/22/16 01:52	
Bromomethane	5.0 U	5.0	1	04/22/16 01:52	
2-Butanone (MEK)	10 U	10	1	04/22/16 01:52	
Carbon Disulfide	10 U	10	1	04/22/16 01:52	
Carbon Tetrachloride	5.0 U	5.0	1	04/22/16 01:52	
Chlorobenzene	5.0 U	5.0	1	04/22/16 01:52	
Chloroethane	5.0 U	5.0	1	04/22/16 01:52	
Chloroform	5.0 U	5.0	1	04/22/16 01:52	
Chloromethane	5.0 U	5.0	1	04/22/16 01:52	
Dibromochloromethane	5.0 U	5.0	1	04/22/16 01:52	
1,1-Dichloroethane	5.0 U	5.0	1	04/22/16 01:52	
1,2-Dichloroethane	5.0 U	5.0	1	04/22/16 01:52	
1,1-Dichloroethene	5.0 U	5.0	1	04/22/16 01:52	
cis-1,2-Dichloroethene	**14**	5.0	1	04/22/16 01:52	
trans-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 01:52	
1,2-Dichloropropane	5.0 U	5.0	1	04/22/16 01:52	
cis-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 01:52	
trans-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 01:52	
Ethylbenzene	5.0 U	5.0	1	04/22/16 01:52	
2-Hexanone	10 U	10	1	04/22/16 01:52	
Methylene Chloride	5.0 U	5.0	1	04/22/16 01:52	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	04/22/16 01:52	
Styrene	5.0 U	5.0	1	04/22/16 01:52	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	04/22/16 01:52	
Tetrachloroethene	5.0 U	5.0	1	04/22/16 01:52	
Toluene	5.0 U	5.0	1	04/22/16 01:52	
1,1,1-Trichloroethane	5.0 U	5.0	1	04/22/16 01:52	
1,1,2-Trichloroethane	5.0 U	5.0	1	04/22/16 01:52	
Trichloroethene	5.0 U	5.0	1	04/22/16 01:52	
Vinyl Chloride	5.0 U	5.0	1	04/22/16 01:52	
o-Xylene	5.0 U	5.0	1	04/22/16 01:52	
m,p-Xylenes	5.0 U	5.0	1	04/22/16 01:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	110	85 - 122	04/22/16 01:52	
Toluene-d8	110	87 - 121	04/22/16 01:52	
Dibromofluoromethane	110	89 - 119	04/22/16 01:52	

Analytical Report

Client:	ARCADIS of New York, Inc.	**Service Request:**	R1603729
Project:	Crosman/B0041501.0001.00095	**Date Collected:**	04/18/16 09:00
Sample Matrix:	Water	**Date Received:**	04/18/16 13:50
Sample Name:	MW-14	**Units:**	ug/L
Lab Code:	R1603729-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	04/22/16 02:22	
Benzene	5.0 U	5.0	1	04/22/16 02:22	
Bromodichloromethane	5.0 U	5.0	1	04/22/16 02:22	
Bromoform	5.0 U	5.0	1	04/22/16 02:22	
Bromomethane	5.0 U	5.0	1	04/22/16 02:22	
2-Butanone (MEK)	10 U	10	1	04/22/16 02:22	
Carbon Disulfide	10 U	10	1	04/22/16 02:22	
Carbon Tetrachloride	5.0 U	5.0	1	04/22/16 02:22	
Chlorobenzene	5.0 U	5.0	1	04/22/16 02:22	
Chloroethane	5.0 U	5.0	1	04/22/16 02:22	
Chloroform	5.0 U	5.0	1	04/22/16 02:22	
Chloromethane	5.0 U	5.0	1	04/22/16 02:22	
Dibromochloromethane	5.0 U	5.0	1	04/22/16 02:22	
1,1-Dichloroethane	5.0 U	5.0	1	04/22/16 02:22	
1,2-Dichloroethane	5.0 U	5.0	1	04/22/16 02:22	
1,1-Dichloroethene	5.0 U	5.0	1	04/22/16 02:22	
cis-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 02:22	
trans-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 02:22	
1,2-Dichloropropane	5.0 U	5.0	1	04/22/16 02:22	
cis-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 02:22	
trans-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 02:22	
Ethylbenzene	5.0 U	5.0	1	04/22/16 02:22	
2-Hexanone	10 U	10	1	04/22/16 02:22	
Methylene Chloride	5.0 U	5.0	1	04/22/16 02:22	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	04/22/16 02:22	
Styrene	5.0 U	5.0	1	04/22/16 02:22	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	04/22/16 02:22	
Tetrachloroethene	5.0 U	5.0	1	04/22/16 02:22	
Toluene	5.0 U	5.0	1	04/22/16 02:22	
1,1,1-Trichloroethane	5.0 U	5.0	1	04/22/16 02:22	
1,1,2-Trichloroethane	5.0 U	5.0	1	04/22/16 02:22	
Trichloroethene	5.0 U	5.0	1	04/22/16 02:22	
Vinyl Chloride	5.0 U	5.0	1	04/22/16 02:22	
o-Xylene	5.0 U	5.0	1	04/22/16 02:22	
m,p-Xylenes	5.0 U	5.0	1	04/22/16 02:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	113	85 - 122	04/22/16 02:22	
Toluene-d8	110	87 - 121	04/22/16 02:22	
Dibromofluoromethane	111	89 - 119	04/22/16 02:22	

Client:	ARCADIS of New York, Inc.	**Service Request:**	R1603729
Project:	Crosman/B0041501.0001.00095	**Date Collected:**	04/18/16 09:30
Sample Matrix:	Water	**Date Received:**	04/18/16 13:50
Sample Name:	MW-3A	**Units:**	ug/L
Lab Code:	R1603729-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	20 U	20	2	04/22/16 05:27	
Benzene	10 U	10	2	04/22/16 05:27	
Bromodichloromethane	10 U	10	2	04/22/16 05:27	
Bromoform	10 U	10	2	04/22/16 05:27	
Bromomethane	10 U	10	2	04/22/16 05:27	
2-Butanone (MEK)	20 U	20	2	04/22/16 05:27	
Carbon Disulfide	20 U	20	2	04/22/16 05:27	
Carbon Tetrachloride	10 U	10	2	04/22/16 05:27	
Chlorobenzene	10 U	10	2	04/22/16 05:27	
Chloroethane	10 U	10	2	04/22/16 05:27	
Chloroform	10 U	10	2	04/22/16 05:27	
Chloromethane	10 U	10	2	04/22/16 05:27	
Dibromochloromethane	10 U	10	2	04/22/16 05:27	
1,1-Dichloroethane	10 U	10	2	04/22/16 05:27	
1,2-Dichloroethane	10 U	10	2	04/22/16 05:27	
1,1-Dichloroethene	10 U	10	2	04/22/16 05:27	
cis-1,2-Dichloroethene	10 U	10	2	04/22/16 05:27	
trans-1,2-Dichloroethene	10 U	10	2	04/22/16 05:27	
1,2-Dichloropropane	10 U	10	2	04/22/16 05:27	
cis-1,3-Dichloropropene	10 U	10	2	04/22/16 05:27	
trans-1,3-Dichloropropene	10 U	10	2	04/22/16 05:27	
Ethylbenzene	10 U	10	2	04/22/16 05:27	
2-Hexanone	20 U	20	2	04/22/16 05:27	
Methylene Chloride	10 U	10	2	04/22/16 05:27	
4-Methyl-2-pentanone (MIBK)	20 U	20	2	04/22/16 05:27	
Styrene	10 U	10	2	04/22/16 05:27	
1,1,2,2-Tetrachloroethane	10 U	10	2	04/22/16 05:27	
Tetrachloroethene	10 U	10	2	04/22/16 05:27	
Toluene	10 U	10	2	04/22/16 05:27	
1,1,1-Trichloroethane	10 U	10	2	04/22/16 05:27	
1,1,2-Trichloroethane	10 U	10	2	04/22/16 05:27	
Trichloroethene	**350**	10	2	04/22/16 05:27	
Vinyl Chloride	10 U	10	2	04/22/16 05:27	
o-Xylene	10 U	10	2	04/22/16 05:27	
m,p-Xylenes	10 U	10	2	04/22/16 05:27	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	111	85 - 122	04/22/16 05:27	
Toluene-d8	112	87 - 121	04/22/16 05:27	
Dibromofluoromethane	110	89 - 119	04/22/16 05:27	

Client:	ARCADIS of New York, Inc.	**Service Request:**	R1603729
Project:	Crosman/B0041501.0001.00095	**Date Collected:**	04/18/16 09:45
Sample Matrix:	Water	**Date Received:**	04/18/16 13:50
Sample Name:	MW-17	**Units:**	ug/L
Lab Code:	R1603729-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	25 U	25	2.5	04/22/16 05:58	
Benzene	13 U	13	2.5	04/22/16 05:58	
Bromodichloromethane	13 U	13	2.5	04/22/16 05:58	
Bromoform	13 U	13	2.5	04/22/16 05:58	
Bromomethane	13 U	13	2.5	04/22/16 05:58	
2-Butanone (MEK)	25 U	25	2.5	04/22/16 05:58	
Carbon Disulfide	25 U	25	2.5	04/22/16 05:58	
Carbon Tetrachloride	13 U	13	2.5	04/22/16 05:58	
Chlorobenzene	13 U	13	2.5	04/22/16 05:58	
Chloroethane	13 U	13	2.5	04/22/16 05:58	
Chloroform	13 U	13	2.5	04/22/16 05:58	
Chloromethane	13 U	13	2.5	04/22/16 05:58	
Dibromochloromethane	13 U	13	2.5	04/22/16 05:58	
1,1-Dichloroethane	13 U	13	2.5	04/22/16 05:58	
1,2-Dichloroethane	13 U	13	2.5	04/22/16 05:58	
1,1-Dichloroethene	13 U	13	2.5	04/22/16 05:58	
cis-1,2-Dichloroethene	13 U	13	2.5	04/22/16 05:58	
trans-1,2-Dichloroethene	13 U	13	2.5	04/22/16 05:58	
1,2-Dichloropropane	13 U	13	2.5	04/22/16 05:58	
cis-1,3-Dichloropropene	13 U	13	2.5	04/22/16 05:58	
trans-1,3-Dichloropropene	13 U	13	2.5	04/22/16 05:58	
Ethylbenzene	13 U	13	2.5	04/22/16 05:58	
2-Hexanone	25 U	25	2.5	04/22/16 05:58	
Methylene Chloride	13 U	13	2.5	04/22/16 05:58	
4-Methyl-2-pentanone (MIBK)	25 U	25	2.5	04/22/16 05:58	
Styrene	13 U	13	2.5	04/22/16 05:58	
1,1,2,2-Tetrachloroethane	13 U	13	2.5	04/22/16 05:58	
Tetrachloroethene	13 U	13	2.5	04/22/16 05:58	
Toluene	13 U	13	2.5	04/22/16 05:58	
1,1,1-Trichloroethane	13 U	13	2.5	04/22/16 05:58	
1,1,2-Trichloroethane	13 U	13	2.5	04/22/16 05:58	
Trichloroethene	**340**	13	2.5	04/22/16 05:58	
Vinyl Chloride	13 U	13	2.5	04/22/16 05:58	
o-Xylene	13 U	13	2.5	04/22/16 05:58	
m,p-Xylenes	13 U	13	2.5	04/22/16 05:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	113	85 - 122	04/22/16 05:58	
Toluene-d8	104	87 - 121	04/22/16 05:58	
Dibromofluoromethane	113	89 - 119	04/22/16 05:58	

Client:	ARCADIS of New York, Inc.	**Service Request:**	R1603729
Project:	Crosman/B0041501.0001.00095	**Date Collected:**	04/18/16 10:15
Sample Matrix:	Water	**Date Received:**	04/18/16 13:50
Sample Name:	MW-20	**Units:**	ug/L
Lab Code:	R1603729-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	04/22/16 02:53	
Benzene	5.0 U	5.0	1	04/22/16 02:53	
Bromodichloromethane	5.0 U	5.0	1	04/22/16 02:53	
Bromoform	5.0 U	5.0	1	04/22/16 02:53	
Bromomethane	5.0 U	5.0	1	04/22/16 02:53	
2-Butanone (MEK)	10 U	10	1	04/22/16 02:53	
Carbon Disulfide	10 U	10	1	04/22/16 02:53	
Carbon Tetrachloride	5.0 U	5.0	1	04/22/16 02:53	
Chlorobenzene	5.0 U	5.0	1	04/22/16 02:53	
Chloroethane	5.0 U	5.0	1	04/22/16 02:53	
Chloroform	5.0 U	5.0	1	04/22/16 02:53	
Chloromethane	5.0 U	5.0	1	04/22/16 02:53	
Dibromochloromethane	5.0 U	5.0	1	04/22/16 02:53	
1,1-Dichloroethane	5.0 U	5.0	1	04/22/16 02:53	
1,2-Dichloroethane	5.0 U	5.0	1	04/22/16 02:53	
1,1-Dichloroethene	5.0 U	5.0	1	04/22/16 02:53	
cis-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 02:53	
trans-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 02:53	
1,2-Dichloropropane	5.0 U	5.0	1	04/22/16 02:53	
cis-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 02:53	
trans-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 02:53	
Ethylbenzene	5.0 U	5.0	1	04/22/16 02:53	
2-Hexanone	10 U	10	1	04/22/16 02:53	
Methylene Chloride	5.0 U	5.0	1	04/22/16 02:53	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	04/22/16 02:53	
Styrene	5.0 U	5.0	1	04/22/16 02:53	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	04/22/16 02:53	
Tetrachloroethene	5.0 U	5.0	1	04/22/16 02:53	
Toluene	5.0 U	5.0	1	04/22/16 02:53	
1,1,1-Trichloroethane	5.0 U	5.0	1	04/22/16 02:53	
1,1,2-Trichloroethane	5.0 U	5.0	1	04/22/16 02:53	
Trichloroethene	**120**	5.0	1	04/22/16 02:53	
Vinyl Chloride	5.0 U	5.0	1	04/22/16 02:53	
o-Xylene	5.0 U	5.0	1	04/22/16 02:53	
m,p-Xylenes	5.0 U	5.0	1	04/22/16 02:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	110	85 - 122	04/22/16 02:53	
Toluene-d8	110	87 - 121	04/22/16 02:53	
Dibromofluoromethane	112	89 - 119	04/22/16 02:53	

Client:	ARCADIS of New York, Inc.	**Service Request:**	R1603729
Project:	Crosman/B0041501.0001.00095	**Date Collected:**	04/18/16 11:00
Sample Matrix:	Water	**Date Received:**	04/18/16 13:50
Sample Name:	MW-13	**Units:**	ug/L
Lab Code:	R1603729-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	04/22/16 09:16	
Benzene	5.0 U	5.0	1	04/22/16 09:16	
Bromodichloromethane	5.0 U	5.0	1	04/22/16 09:16	
Bromoform	5.0 U	5.0	1	04/22/16 09:16	
Bromomethane	5.0 U	5.0	1	04/22/16 09:16	
2-Butanone (MEK)	10 U	10	1	04/22/16 09:16	
Carbon Disulfide	10 U	10	1	04/22/16 09:16	
Carbon Tetrachloride	5.0 U	5.0	1	04/22/16 09:16	
Chlorobenzene	5.0 U	5.0	1	04/22/16 09:16	
Chloroethane	5.0 U	5.0	1	04/22/16 09:16	
Chloroform	5.0 U	5.0	1	04/22/16 09:16	
Chloromethane	5.0 U	5.0	1	04/22/16 09:16	
Dibromochloromethane	5.0 U	5.0	1	04/22/16 09:16	
1,1-Dichloroethane	5.0 U	5.0	1	04/22/16 09:16	
1,2-Dichloroethane	5.0 U	5.0	1	04/22/16 09:16	
1,1-Dichloroethene	5.0 U	5.0	1	04/22/16 09:16	
cis-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 09:16	
trans-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 09:16	
1,2-Dichloropropane	5.0 U	5.0	1	04/22/16 09:16	
cis-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 09:16	
trans-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 09:16	
Ethylbenzene	5.0 U	5.0	1	04/22/16 09:16	
2-Hexanone	10 U	10	1	04/22/16 09:16	
Methylene Chloride	5.0 U	5.0	1	04/22/16 09:16	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	04/22/16 09:16	
Styrene	5.0 U	5.0	1	04/22/16 09:16	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	04/22/16 09:16	
Tetrachloroethene	5.0 U	5.0	1	04/22/16 09:16	
Toluene	5.0 U	5.0	1	04/22/16 09:16	
1,1,1-Trichloroethane	5.0 U	5.0	1	04/22/16 09:16	
1,1,2-Trichloroethane	5.0 U	5.0	1	04/22/16 09:16	
Trichloroethene	**130**	5.0	1	04/22/16 09:16	
Vinyl Chloride	5.0 U	5.0	1	04/22/16 09:16	
o-Xylene	5.0 U	5.0	1	04/22/16 09:16	
m,p-Xylenes	5.0 U	5.0	1	04/22/16 09:16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	85 - 122	04/22/16 09:16	
Toluene-d8	111	87 - 121	04/22/16 09:16	
Dibromofluoromethane	113	89 - 119	04/22/16 09:16	

Analytical Report

Client:	ARCADIS of New York, Inc.	**Service Request:**	R1603729
Project:	Crosman/B0041501.0001.00095	**Date Collected:**	04/18/16 11:15
Sample Matrix:	Water	**Date Received:**	04/18/16 13:50
Sample Name:	MW-19	**Units:**	ug/L
Lab Code:	R1603729-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	04/22/16 03:24	
Benzene	5.0 U	5.0	1	04/22/16 03:24	
Bromodichloromethane	5.0 U	5.0	1	04/22/16 03:24	
Bromoform	5.0 U	5.0	1	04/22/16 03:24	
Bromomethane	5.0 U	5.0	1	04/22/16 03:24	
2-Butanone (MEK)	10 U	10	1	04/22/16 03:24	
Carbon Disulfide	10 U	10	1	04/22/16 03:24	
Carbon Tetrachloride	5.0 U	5.0	1	04/22/16 03:24	
Chlorobenzene	5.0 U	5.0	1	04/22/16 03:24	
Chloroethane	5.0 U	5.0	1	04/22/16 03:24	
Chloroform	5.0 U	5.0	1	04/22/16 03:24	
Chloromethane	5.0 U	5.0	1	04/22/16 03:24	
Dibromochloromethane	5.0 U	5.0	1	04/22/16 03:24	
1,1-Dichloroethane	5.0 U	5.0	1	04/22/16 03:24	
1,2-Dichloroethane	5.0 U	5.0	1	04/22/16 03:24	
1,1-Dichloroethene	5.0 U	5.0	1	04/22/16 03:24	
cis-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 03:24	
trans-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 03:24	
1,2-Dichloropropane	5.0 U	5.0	1	04/22/16 03:24	
cis-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 03:24	
trans-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 03:24	
Ethylbenzene	5.0 U	5.0	1	04/22/16 03:24	
2-Hexanone	10 U	10	1	04/22/16 03:24	
Methylene Chloride	5.0 U	5.0	1	04/22/16 03:24	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	04/22/16 03:24	
Styrene	5.0 U	5.0	1	04/22/16 03:24	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	04/22/16 03:24	
Tetrachloroethene	5.0 U	5.0	1	04/22/16 03:24	
Toluene	5.0 U	5.0	1	04/22/16 03:24	
1,1,1-Trichloroethane	5.0 U	5.0	1	04/22/16 03:24	
1,1,2-Trichloroethane	5.0 U	5.0	1	04/22/16 03:24	
Trichloroethene	5.0 U	5.0	1	04/22/16 03:24	
Vinyl Chloride	5.0 U	5.0	1	04/22/16 03:24	
o-Xylene	5.0 U	5.0	1	04/22/16 03:24	
m,p-Xylenes	5.0 U	5.0	1	04/22/16 03:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	114	85 - 122	04/22/16 03:24	
Toluene-d8	114	87 - 121	04/22/16 03:24	
Dibromofluoromethane	111	89 - 119	04/22/16 03:24	

Analytical Report

Client:	ARCADIS of New York, Inc.	**Service Request:**	R1603729
Project:	Crosman/B0041501.0001.00095	**Date Collected:**	04/18/16 11:45
Sample Matrix:	Water	**Date Received:**	04/18/16 13:50
Sample Name:	MW-18	**Units:**	ug/L
Lab Code:	R1603729-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	04/22/16 03:55	
Benzene	5.0 U	5.0	1	04/22/16 03:55	
Bromodichloromethane	5.0 U	5.0	1	04/22/16 03:55	
Bromoform	5.0 U	5.0	1	04/22/16 03:55	
Bromomethane	5.0 U	5.0	1	04/22/16 03:55	
2-Butanone (MEK)	10 U	10	1	04/22/16 03:55	
Carbon Disulfide	10 U	10	1	04/22/16 03:55	
Carbon Tetrachloride	5.0 U	5.0	1	04/22/16 03:55	
Chlorobenzene	5.0 U	5.0	1	04/22/16 03:55	
Chloroethane	5.0 U	5.0	1	04/22/16 03:55	
Chloroform	5.0 U	5.0	1	04/22/16 03:55	
Chloromethane	5.0 U	5.0	1	04/22/16 03:55	
Dibromochloromethane	5.0 U	5.0	1	04/22/16 03:55	
1,1-Dichloroethane	5.0 U	5.0	1	04/22/16 03:55	
1,2-Dichloroethane	5.0 U	5.0	1	04/22/16 03:55	
1,1-Dichloroethene	5.0 U	5.0	1	04/22/16 03:55	
cis-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 03:55	
trans-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 03:55	
1,2-Dichloropropane	5.0 U	5.0	1	04/22/16 03:55	
cis-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 03:55	
trans-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 03:55	
Ethylbenzene	5.0 U	5.0	1	04/22/16 03:55	
2-Hexanone	10 U	10	1	04/22/16 03:55	
Methylene Chloride	5.0 U	5.0	1	04/22/16 03:55	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	04/22/16 03:55	
Styrene	5.0 U	5.0	1	04/22/16 03:55	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	04/22/16 03:55	
Tetrachloroethene	5.0 U	5.0	1	04/22/16 03:55	
Toluene	5.0 U	5.0	1	04/22/16 03:55	
1,1,1-Trichloroethane	5.0 U	5.0	1	04/22/16 03:55	
1,1,2-Trichloroethane	5.0 U	5.0	1	04/22/16 03:55	
Trichloroethene	5.0 U	5.0	1	04/22/16 03:55	
Vinyl Chloride	5.0 U	5.0	1	04/22/16 03:55	
o-Xylene	5.0 U	5.0	1	04/22/16 03:55	
m,p-Xylenes	5.0 U	5.0	1	04/22/16 03:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	113	85 - 122	04/22/16 03:55	
Toluene-d8	114	87 - 121	04/22/16 03:55	
Dibromofluoromethane	111	89 - 119	04/22/16 03:55	

Client:	ARCADIS of New York, Inc.	**Service Request:**	R1603729
Project:	Crosman/B0041501.0001.00095	**Date Collected:**	04/18/16 12:15
Sample Matrix:	Water	**Date Received:**	04/18/16 13:50
Sample Name:	MW-4	**Units:**	ug/L
Lab Code:	R1603729-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	04/22/16 04:26	
Benzene	5.0 U	5.0	1	04/22/16 04:26	
Bromodichloromethane	5.0 U	5.0	1	04/22/16 04:26	
Bromoform	5.0 U	5.0	1	04/22/16 04:26	
Bromomethane	5.0 U	5.0	1	04/22/16 04:26	
2-Butanone (MEK)	10 U	10	1	04/22/16 04:26	
Carbon Disulfide	10 U	10	1	04/22/16 04:26	
Carbon Tetrachloride	5.0 U	5.0	1	04/22/16 04:26	
Chlorobenzene	5.0 U	5.0	1	04/22/16 04:26	
Chloroethane	5.0 U	5.0	1	04/22/16 04:26	
Chloroform	5.0 U	5.0	1	04/22/16 04:26	
Chloromethane	5.0 U	5.0	1	04/22/16 04:26	
Dibromochloromethane	5.0 U	5.0	1	04/22/16 04:26	
1,1-Dichloroethane	5.0 U	5.0	1	04/22/16 04:26	
1,2-Dichloroethane	5.0 U	5.0	1	04/22/16 04:26	
1,1-Dichloroethene	5.0 U	5.0	1	04/22/16 04:26	
cis-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 04:26	
trans-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 04:26	
1,2-Dichloropropane	5.0 U	5.0	1	04/22/16 04:26	
cis-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 04:26	
trans-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 04:26	
Ethylbenzene	5.0 U	5.0	1	04/22/16 04:26	
2-Hexanone	10 U	10	1	04/22/16 04:26	
Methylene Chloride	5.0 U	5.0	1	04/22/16 04:26	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	04/22/16 04:26	
Styrene	5.0 U	5.0	1	04/22/16 04:26	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	04/22/16 04:26	
Tetrachloroethene	5.0 U	5.0	1	04/22/16 04:26	
Toluene	5.0 U	5.0	1	04/22/16 04:26	
1,1,1-Trichloroethane	5.0 U	5.0	1	04/22/16 04:26	
1,1,2-Trichloroethane	5.0 U	5.0	1	04/22/16 04:26	
Trichloroethene	5.0 U	5.0	1	04/22/16 04:26	
Vinyl Chloride	5.0 U	5.0	1	04/22/16 04:26	
o-Xylene	5.0 U	5.0	1	04/22/16 04:26	
m,p-Xylenes	5.0 U	5.0	1	04/22/16 04:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	113	85 - 122	04/22/16 04:26	
Toluene-d8	113	87 - 121	04/22/16 04:26	
Dibromofluoromethane	112	89 - 119	04/22/16 04:26	

Client:	ARCADIS of New York, Inc.	**Service Request:**	R1603729
Project:	Crosman/B0041501.0001.00095	**Date Collected:**	04/18/16 12:45
Sample Matrix:	Water	**Date Received:**	04/18/16 13:50
Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	R1603729-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	04/22/16 04:56	
Benzene	5.0 U	5.0	1	04/22/16 04:56	
Bromodichloromethane	5.0 U	5.0	1	04/22/16 04:56	
Bromoform	5.0 U	5.0	1	04/22/16 04:56	
Bromomethane	5.0 U	5.0	1	04/22/16 04:56	
2-Butanone (MEK)	10 U	10	1	04/22/16 04:56	
Carbon Disulfide	10 U	10	1	04/22/16 04:56	
Carbon Tetrachloride	5.0 U	5.0	1	04/22/16 04:56	
Chlorobenzene	5.0 U	5.0	1	04/22/16 04:56	
Chloroethane	5.0 U	5.0	1	04/22/16 04:56	
Chloroform	5.0 U	5.0	1	04/22/16 04:56	
Chloromethane	5.0 U	5.0	1	04/22/16 04:56	
Dibromochloromethane	5.0 U	5.0	1	04/22/16 04:56	
1,1-Dichloroethane	5.0 U	5.0	1	04/22/16 04:56	
1,2-Dichloroethane	5.0 U	5.0	1	04/22/16 04:56	
1,1-Dichloroethene	5.0 U	5.0	1	04/22/16 04:56	
cis-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 04:56	
trans-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 04:56	
1,2-Dichloropropane	5.0 U	5.0	1	04/22/16 04:56	
cis-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 04:56	
trans-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 04:56	
Ethylbenzene	5.0 U	5.0	1	04/22/16 04:56	
2-Hexanone	10 U	10	1	04/22/16 04:56	
Methylene Chloride	5.0 U	5.0	1	04/22/16 04:56	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	04/22/16 04:56	
Styrene	5.0 U	5.0	1	04/22/16 04:56	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	04/22/16 04:56	
Tetrachloroethene	5.0 U	5.0	1	04/22/16 04:56	
Toluene	5.0 U	5.0	1	04/22/16 04:56	
1,1,1-Trichloroethane	5.0 U	5.0	1	04/22/16 04:56	
1,1,2-Trichloroethane	5.0 U	5.0	1	04/22/16 04:56	
Trichloroethene	5.0 U	5.0	1	04/22/16 04:56	
Vinyl Chloride	5.0 U	5.0	1	04/22/16 04:56	
o-Xylene	5.0 U	5.0	1	04/22/16 04:56	
m,p-Xylenes	5.0 U	5.0	1	04/22/16 04:56	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	111	85 - 122	04/22/16 04:56	
Toluene-d8	100	87 - 121	04/22/16 04:56	
Dibromofluoromethane	112	89 - 119	04/22/16 04:56	

Client:	ARCADIS of New York, Inc.	**Service Request:**	R1603729
Project:	Crosman/B0041501.0001.00095	**Date Collected:**	04/18/16
Sample Matrix:	Water	**Date Received:**	04/18/16 13:50
Sample Name:	TRIP	**Units:**	ug/L
Lab Code:	R1603729-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	04/22/16 00:50	
Benzene	5.0 U	5.0	1	04/22/16 00:50	
Bromodichloromethane	5.0 U	5.0	1	04/22/16 00:50	
Bromoform	5.0 U	5.0	1	04/22/16 00:50	
Bromomethane	5.0 U	5.0	1	04/22/16 00:50	
2-Butanone (MEK)	10 U	10	1	04/22/16 00:50	
Carbon Disulfide	10 U	10	1	04/22/16 00:50	
Carbon Tetrachloride	5.0 U	5.0	1	04/22/16 00:50	
Chlorobenzene	5.0 U	5.0	1	04/22/16 00:50	
Chloroethane	5.0 U	5.0	1	04/22/16 00:50	
Chloroform	5.0 U	5.0	1	04/22/16 00:50	
Chloromethane	5.0 U	5.0	1	04/22/16 00:50	
Dibromochloromethane	5.0 U	5.0	1	04/22/16 00:50	
1,1-Dichloroethane	5.0 U	5.0	1	04/22/16 00:50	
1,2-Dichloroethane	5.0 U	5.0	1	04/22/16 00:50	
1,1-Dichloroethene	5.0 U	5.0	1	04/22/16 00:50	
cis-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 00:50	
trans-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 00:50	
1,2-Dichloropropane	5.0 U	5.0	1	04/22/16 00:50	
cis-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 00:50	
trans-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 00:50	
Ethylbenzene	5.0 U	5.0	1	04/22/16 00:50	
2-Hexanone	10 U	10	1	04/22/16 00:50	
Methylene Chloride	5.0 U	5.0	1	04/22/16 00:50	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	04/22/16 00:50	
Styrene	5.0 U	5.0	1	04/22/16 00:50	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	04/22/16 00:50	
Tetrachloroethene	5.0 U	5.0	1	04/22/16 00:50	
Toluene	5.0 U	5.0	1	04/22/16 00:50	
1,1,1-Trichloroethane	5.0 U	5.0	1	04/22/16 00:50	
1,1,2-Trichloroethane	5.0 U	5.0	1	04/22/16 00:50	
Trichloroethene	5.0 U	5.0	1	04/22/16 00:50	
Vinyl Chloride	5.0 U	5.0	1	04/22/16 00:50	
o-Xylene	5.0 U	5.0	1	04/22/16 00:50	
m,p-Xylenes	5.0 U	5.0	1	04/22/16 00:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	111	85 - 122	04/22/16 00:50	
Toluene-d8	109	87 - 121	04/22/16 00:50	
Dibromofluoromethane	111	89 - 119	04/22/16 00:50	

Analytical Report

Client:	ARCADIS of New York, Inc.	**Service Request:**	R1603729
Project:	Crosman/B0041501.0001.00095	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1604262-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	04/22/16 00:19	
Benzene	5.0 U	5.0	1	04/22/16 00:19	
Bromodichloromethane	5.0 U	5.0	1	04/22/16 00:19	
Bromoform	5.0 U	5.0	1	04/22/16 00:19	
Bromomethane	5.0 U	5.0	1	04/22/16 00:19	
2-Butanone (MEK)	10 U	10	1	04/22/16 00:19	
Carbon Disulfide	10 U	10	1	04/22/16 00:19	
Carbon Tetrachloride	5.0 U	5.0	1	04/22/16 00:19	
Chlorobenzene	5.0 U	5.0	1	04/22/16 00:19	
Chloroethane	5.0 U	5.0	1	04/22/16 00:19	
Chloroform	5.0 U	5.0	1	04/22/16 00:19	
Chloromethane	5.0 U	5.0	1	04/22/16 00:19	
Dibromochloromethane	5.0 U	5.0	1	04/22/16 00:19	
1,1-Dichloroethane	5.0 U	5.0	1	04/22/16 00:19	
1,2-Dichloroethane	5.0 U	5.0	1	04/22/16 00:19	
1,1-Dichloroethene	5.0 U	5.0	1	04/22/16 00:19	
cis-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 00:19	
trans-1,2-Dichloroethene	5.0 U	5.0	1	04/22/16 00:19	
1,2-Dichloropropane	5.0 U	5.0	1	04/22/16 00:19	
cis-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 00:19	
trans-1,3-Dichloropropene	5.0 U	5.0	1	04/22/16 00:19	
Ethylbenzene	5.0 U	5.0	1	04/22/16 00:19	
2-Hexanone	10 U	10	1	04/22/16 00:19	
Methylene Chloride	5.0 U	5.0	1	04/22/16 00:19	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	04/22/16 00:19	
Styrene	5.0 U	5.0	1	04/22/16 00:19	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	04/22/16 00:19	
Tetrachloroethene	5.0 U	5.0	1	04/22/16 00:19	
Toluene	5.0 U	5.0	1	04/22/16 00:19	
1,1,1-Trichloroethane	5.0 U	5.0	1	04/22/16 00:19	
1,1,2-Trichloroethane	5.0 U	5.0	1	04/22/16 00:19	
Trichloroethene	5.0 U	5.0	1	04/22/16 00:19	
Vinyl Chloride	5.0 U	5.0	1	04/22/16 00:19	
o-Xylene	5.0 U	5.0	1	04/22/16 00:19	
m,p-Xylenes	5.0 U	5.0	1	04/22/16 00:19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	112	85 - 122	04/22/16 00:19	
Toluene-d8	115	87 - 121	04/22/16 00:19	
Dibromofluoromethane	113	89 - 119	04/22/16 00:19	

Client: ARCADIS of New York, Inc.
Project: Crosman/B0041501.0001.00095
Sample Matrix: Water

Service Request: R1603729
Date Analyzed: 04/21/16

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

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ1604262-03			RQ1604262-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Acetone	8260C	22.4	20.0	112	21.8	20.0	109	40-161	3	30
Benzene	8260C	22.0	20.0	110	21.5	20.0	108	76-118	2	30
Bromodichloromethane	8260C	20.6	20.0	103	20.9	20.0	104	78-126	1	30
Bromoform	8260C	19.1	20.0	96	19.0	20.0	95	71-136	<1	30
Bromomethane	8260C	15.0	20.0	75	14.2	20.0	71	42-166	5	30
2-Butanone (MEK)	8260C	22.3	20.0	112	22.6	20.0	113	61-137	1	30
Carbon Disulfide	8260C	20.8	20.0	104	20.0	20.0	100	65-127	4	30
Carbon Tetrachloride	8260C	21.4	20.0	107	19.1	20.0	96	68-125	11	30
Chlorobenzene	8260C	21.3	20.0	106	20.1	20.0	100	80-121	6	30
Chloroethane	8260C	20.3	20.0	101	19.6	20.0	98	70-127	3	30
Chloroform	8260C	19.7	20.0	98	19.2	20.0	96	76-120	2	30
Chloromethane	8260C	19.3	20.0	97	18.4	20.0	92	69-145	5	30
Dibromochloromethane	8260C	20.1	20.0	101	19.2	20.0	96	77-128	5	30
1,1-Dichloroethane	8260C	22.1	20.0	110	21.2	20.0	106	78-117	4	30
1,2-Dichloroethane	8260C	22.4	20.0	112	22.7	20.0	114	71-127	2	30
1,1-Dichloroethene	8260C	20.0	20.0	100	19.2	20.0	96	74-135	4	30
cis-1,2-Dichloroethene	8260C	20.6	20.0	103	20.1	20.0	101	80-121	2	30
trans-1,2-Dichloroethene	8260C	20.6	20.0	103	19.6	20.0	98	80-120	5	30
1,2-Dichloropropane	8260C	22.7	20.0	114	22.8	20.0	114	80-119	<1	30
cis-1,3-Dichloropropene	8260C	19.5	20.0	97	19.6	20.0	98	74-126	<1	30
trans-1,3-Dichloropropene	8260C	21.1	20.0	105	20.3	20.0	101	67-135	4	30
Ethylbenzene	8260C	20.6	20.0	103	20.0	20.0	100	76-120	3	30
2-Hexanone	8260C	21.3	20.0	106	20.8	20.0	104	63-124	2	30
Methylene Chloride	8260C	19.1	20.0	96	19.2	20.0	96	73-122	<1	30
4-Methyl-2-pentanone (MIBK)	8260C	22.5	20.0	112	21.6	20.0	108	66-124	4	30
Styrene	8260C	20.3	20.0	102	19.5	20.0	98	80-124	4	30
1,1,2,2-Tetrachloroethane	8260C	19.8	20.0	99	19.0	20.0	95	78-122	4	30
Tetrachloroethene	8260C	21.9	20.0	109	21.2	20.0	106	78-124	3	30
Toluene	8260C	21.1	20.0	106	20.9	20.0	104	77-120	1	30
1,1,1-Trichloroethane	8260C	21.0	20.0	105	20.7	20.0	104	74-120	1	30
1,1,2-Trichloroethane	8260C	21.2	20.0	106	21.1	20.0	106	82-118	<1	30
Trichloroethene	8260C	19.9	20.0	99	21.0	20.0	105	78-123	6	30
Vinyl Chloride	8260C	20.8	20.0	104	20.6	20.0	103	69-133	<1	30

Client: ARCADIS of New York, Inc.
Project: Crosman/B0041501.0001.00095
Sample Matrix: Water

Service Request: R1603729
Date Analyzed: 04/21/16

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

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ1604262-03			RQ1604262-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
o-Xylene	8260C	20.1	20.0	100	19.7	20.0	98	80-120	2	30
m,p-Xylenes	8260C	42.0	40.0	105	40.3	40.0	101	78-123	4	30

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

ALS Environmental

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

Project Name: CROSMAN	Project Number: B004150.000.00095
Project Manager: AARON RICHARDSON	Report CC:
Company/Address: 285 WOODCLIFF DR SUITE 301 FAIRPORT NY 14450 ARCADIS	
Phone #: 585 385 0090	Email:
Sampler's Signature:	Sampler's Printed Name: GEORGE EDGAR-SMITH

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

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE	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		4/13/16	0800	LIQ		3	X							
MW-5			0830											
MW-14			0900											
MW-3A			0930											
MW-17			0945											
MW-20			1015											
MW-13			1100											
MW-19			1115											
MW-18			1145											
MW-4			1215											
MW-15			1245											

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 ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day

REQUESTED REPORT DATE
STD

REPORT REQUIREMENTS
_____ I. Results Only
_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
X III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report with Raw Data

Edata _____Yes _____No

INVOICE INFORMATION
PO #
BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature:	Signature:	Signature:	
Printed Name: ARCADIS	Printed Name: ALS	Printed Name:	Printed Name:	Printed Name:	
Firm: 4/18/16 1350	Firm: 4/18/16 1350	Firm:	Firm:	Firm:	
Date/Time:	Date/Time:	Date/Time:	Date/Time:	Date/Time:	

R1603729 5
ARCADIS of New York, Inc.
Crosman

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

ALS Environmental

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

36528

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 2 OF 2

Project Name: CROSMAN	Project Number:
Project Manager: AARON RICHARDSON	Report CC:
Company/Address: ARCADIS 285 WOODCLIFF DR SUITE 301 FAIRPORT NY 14450	
Phone #: 585 385 0090	Email:
Sampler's Signature:	Sampler's Printed Name: GEOFF GROTHENTHAL

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

PRESERVATIVE

NUMBER OF CONTAINERS

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	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
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 ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 1 day ____ 2 day ____ 3 day
____ 4 day ____ 5 day

REQUESTED REPORT DATE
STD

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
X III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data

Edata ____ Yes ____ No

INVOICE INFORMATION
PO #
BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature:	Signature:	Signature:	
Printed Name: NICHOLAS BOYCE	Printed Name: ALS	Printed Name:	Printed Name:	Printed Name:	
Firm: ARCADIS	Firm: ALS 4/18/16 1350	Firm:	Firm:	Firm:	
Date/Time: 4/18/16 1350	Date/Time:	Date/Time:	Date/Time:	Date/Time:	Date/Time:

R1603729 5
ARCADIS of New York, Inc.
Crosman

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

Cooler Receipt and Preservation Check Form

Project/Client Arcadis Folder Number .

Cooler received on 4/18/16 by: DW COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	ALS/ROC CLIENT
4	Circle: **Wet Ice Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as:	Bulk Encore 5035set (NA)

8. Temperature Readings Date: 4/18/16 Time: 1355 ID: (IR#3) IR#5 From: Temp Blank Sample Bottle

Observed Temp (°C)	6.0°						
Correction Factor (°C)	-0.1						
Corrected 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 Same Day Rule

&Client Approval to Run Samples: Standing Approval Client aware at drop-off Client notified by:

All samples held in storage location: R-007 by DW on 4/18/16 at 1355
5035 samples placed in storage location: by on at

PC Secondary Review: DW 4/19/16

Cooler Breakdown: Date: 4/19/16 Time: 1200 by: @

1. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
2. Did all bottle labels and tags agree with custody papers? (YES) NO
3. Were correct containers used for the tests indicated? (YES) NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated (N/A)

Explain any discrepancies:

pH	Reagent	Yes	No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3								
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
	$Na_2S_2O_3$	-	-						
	ZnAcetate	-	-						
	HCl	**	**	411607O	4/17				

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Yes=All samples OK

No=Samples were preserved at The lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 5-317-002

Other Comments:

PC Secondary Review: DW 4/19/16

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter