

March 1, 2019

Michael Belveg
Project Manager
NYSDEC Region 7
615 Erie Boulevard West
Syracuse, NY 13209

Re: Quarterly Monitoring for Brownfield Site #C734102

Dear Mr. Belveg,

The purpose of this letter report is to submit the results of the fourth quarter 2018 groundwater monitoring at the Pass and Seymour site located at 50 Boyd Ave, Solvay NY. The monitoring was completed in conformance with the approved Site Management Plan (SMP) for this site, which was issued a Certificate of Completion on December 16, 2010.

The quarterly groundwater sampling was conducted in accordance with the SMP and for purposes of monitoring:

1. The effectiveness of two phases of the In-Situ Chemical Oxidation System Remedy utilized for two areas of concern, and
2. To evaluate chlorinated VOC levels in the western portion of the site.

There are five (5) observation wells in AOC-1 overburden screened in the till/fill unit above the top of competent bedrock, to monitor ISCO effectiveness: MW05-03, MW05-04, MW05-05, MW05-10 and MW05-11. Well MW05-02 was decommissioned during the soil removal conducted in September 2018.

There are six (6) observation wells in AOC -1 screened in the upper fifteen feet of bedrock to monitor ISCO effectiveness: OW1-1, OW1-4, BR09-37 and BR09-39, BR10-46 and BR10-47. Wells OW1-2 and OW1-3 were decommissioned during the soil removal conducted in September 2018.

In AOC-2, there are five (5) observation wells screened in the overburden till/weathered shale unit to monitor ISCO effectiveness: IW2-1, IW2-3, OW2-2, OB09-36, and OB09-38.

In the northwest corner of the site, a pair of wells screened in overburden (MW05-21) and bedrock (BR07-31) is also monitored for VOC's.

As required in the Site Management Plan once a year monitoring is also conducted for one upgradient well (BR07-32) and three downgradient, offsite wells BR08-33, BR08-34 and BR08-35. That sampling is completed during the third quarter of the calendar year.

Monitoring was conducted in accordance with the Field Sampling Plan included in the approved SMP and as modified per a May 15, 2018 letter from Michael Belveg. In the May 15, 2018 letter Mr. Belveg stipulated that the following wells would be sampled only in the first and third quarters, wells MW05-21, BR07-31, OW2-2, OB09-36, OB09-38, and all wells in AOC-1 overburden. Sampling was completed on December 27, 2018. The Groundwater Field Sampling logs are included as Attachment A.

A soil removal program was completed in September and November of 2018. The results of that program will be included in the 2019 Periodic Review Report.

Groundwater Monitoring Results:

Locations of groundwater monitoring wells are shown on Figure 1. Field observations are shown on Tables 1 and 2. The analytical results are shown on Table 3.

Please contact me if you have any questions.

Very Truly Yours,

A handwritten signature in black ink, appearing to read "David W. Stoner".

David W. Stoner, P.G.
President

Legend:



Location and Identification of monitoring well sampled as part of post-ISCO monitoring

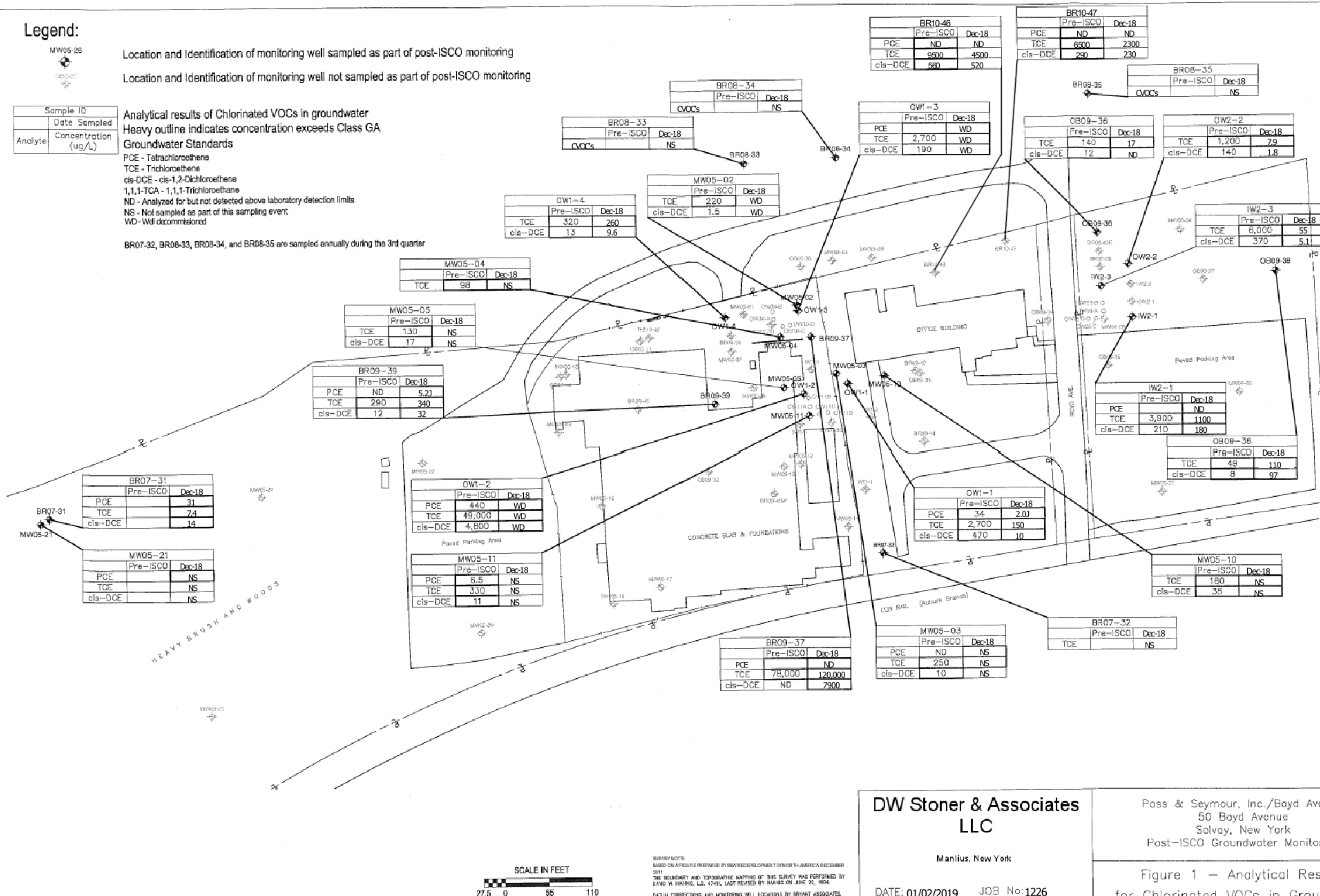
Location and Identification of monitoring well not sampled as part of post-ISCO monitoring

Sample ID	Date Sampled
Analyte	Concentration (ug/L)

Analytical results of Chlorinated VOCs in groundwater
Heavy outline indicates concentration exceeds Class GA
Groundwater Standards

PCE - Tetrachloroethene
TCE - Trichloroethene
cis-DCE - cis-1,2-Dichloroethene
1,1,1-TCA - 1,1,1-Trichloroethane
ND - Analyzed for but not detected above laboratory detection limits
NS - Not sampled as part of this sampling event
WD - Well decommissioned

BR07-32, BR08-33, BR08-34, and BR08-35 are sampled annually during the 3rd quarter



DW Stoner & Associates
LLC

Manlius, New York

DATE: 01/02/2019 JOB No:1226

Pass & Seymour, Inc./Boyd Avenue
50 Boyd Avenue
Solvay, New York
Post-ISCO Groundwater Monitoring

Figure 1 - Analytical Results
for Chlorinated VOCs in Groundwater

SURVEYNOTE
BASED ON A FIGURE PREPARED BY BRYANT ASSOCIATES, INC. IN 2011.
THE BOUNDARY AND TOPOGRAPHIC MAPPING OF THIS SURVEY WAS PERFORMED BY
DAVID W. HARRIS, L.S. 4746, LAST REVISED BY HARRIS ON JUNE 21, 1994.
DATUM CORRECTIONS AND MONITORING WELL LOCATIONS BY BRYANT ASSOCIATES,
P.C. ARE AS SURVEYED ON NOVEMBER 8, 2005, and January 7, 2016.

SCALE IN FEET
27.5 0 55 110

Table 1 Groundwater Elevations Pass and Seymour

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation	Volume (gal)
BR07-31	3/30/18	Top of PVC	410.18	9.81	20.0	400.77	1.7
	6/29/18	Top of PVC	410.18	NS	20.0	NS	NS
	9/27/18	Top of PVC	410.18	9.88	20.0	401	1.72
	12/27/18	Top of PVC	410.18	6.37	20.0	403.81	11.03
BR07-32	3/30/18	Top of PVC	426.82	NS	20	NS	NS
	6/29/18	Top of PVC	426.82	NS	20	NS	NS
	9/27/18	Top of PVC	426.82	NS	20	NS	NS
	12/27/18	Top of PVC	426.82	NS	NS	NS	NS
BR08-33	3/30/18	Top of PVC	408.11	NS	42	NS	NS
	6/29/18	Top of PVC	408.11	NS	42	NS	NS
	9/27/18	Top of PVC	408.11	11.16	42	396.95	5.41
	12/27/18	Top of PVC	408.11	NS	42	NS	NS
BR08-34	3/30/18	Top of PVC	408.96	NS	42	NS	NS
	6/29/18	Top of PVC	408.96	NS	42	NS	NS
	9/27/18	Top of PVC	408.96	12.05	42	396.91	5.26
	12/27/18	Top of PVC	408.96	NS	42	NS	NS
BR08-35	3/30/18	Top of PVC	408.35	NS	31	NS	NS
	6/29/18	Top of PVC	408.35	NS	31	NS	NS
	9/27/18	Top of PVC	408.35	11.4	31	396.95	3.67
	12/27/18	Top of PVC	408.35	NS	31	NS	NS
BR09-37	3/30/18	Top of PVC	417.85	16.66	24.28	401.19	1.2
	6/29/18	Top of PVC	417.85	21.91	24.28	395.94	0.42
	9/27/18	Top of PVC	417.85	19.72	24.28	398.13	0.81
	12/27/18	Top of PVC	417.85	17.22	24.28	400.63	1.23
BR09-39	3/30/18	Top of PVC	424.06	19.45	30.22	404.61	1.7
	6/29/18	Top of PVC	424.06	20.24	30.22	403.82	1.58
	9/27/18	Top of PVC	424.06	19.58	30.22	404.48	2.11
	12/27/18	Top of PVC	424.06	18.47	30.22	405.55	2.3
BR10-46	3/30/18	Top of PVC	417.10	11.29	27	405.81	2.2
	6/29/18	Top of PVC	417.10	14.63	27	402.47	1.9
	9/27/18	Top of PVC	417.10	14.1	27	403	2.32
	12/27/18	Top of PVC	417.10	11.83	27	405.27	2.71
BR10-47	3/30/18	Top of PVC	416.67	11.2	28	405.47	2.7
	6/29/18	Top of PVC	416.67	14.65	28	402.02	2.18
	9/27/18	Top of PVC	416.67	14.44	28	402.23	2.3
	12/27/18	Top of PVC	416.67	11.94	28	404.73	2.73
IW2-1	3/30/18	Top of PVC	418.25	16.05	34.35	402.2	12.9
	6/29/18	Top of PVC	418.25	19.71	34.35	398.54	10.5
	9/27/18	Top of PVC	418.25	19.54	34.35	398.71	5.52

Table 1 Groundwater Elevations Pass and Seymour

	12/27/18	Top of PVC	418.25	17.18	34.35	401.17	6.33
IW2-3	3/30/18	Top of PVC	416.62	14.3	34.60	402.32	13.9
	6/29/18	Top of PVC	416.62	17.93	34.60	398.69	11.5
	9/27/18	Top of PVC	416.62	18.4	34.6	398.22	5.85
	12/27/18	Top of PVC	416.62	15.31	34.6	401.31	6.5
MW05-02	3/30/18	Top of PVC	408.83	DRY	9.92	DRY	DRY
	6/29/18	Top of PVC	408.83	NS	9.92	NS	NS
	9/27/18	Top of PVC	408.83	WD	9.92	WD	WD
	12/27/18	Top of PVC	408.83	WD	9.92	WD	WD
MW05-03	3/30/18	Top of PVC	421.42	DRY	13.05	DRY	DRY
	6/29/18	Top of PVC	421.42	NS	13.05	NS	NS
	9/27/18	Top of PVC	421.42	NS	13.05	NS	NS
	12/27/18	Top of PVC	421.42	NS	13.05	NS	NS
MW05-04	3/30/18	Top of PVC	408.45	DRY	10.70	DRY	DRY
	6/29/18	Top of PVC	408.45	NS	10.70	NS	NS
	9/27/18	Top of PVC	408.45	NS	10.7	NS	NS
	12/27/18	Top of PVC	408.45	NS	10.7	NS	NS
MW05-05	3/30/18	Top of PVC	427.82	DRY	18.0	DRY	DRY
	6/29/18	Top of PVC	427.82	NS	18.0	NS	NS
	9/27/18	Top of PVC	427.82	NS	18.0	NS	NS
	12/27/18	Top of PVC	427.82	NS	18.0	NS	NS
MW05-10	3/30/18	Top of PVC	403.89	14.84	19.25	389.05	0.7
	6/29/18	Top of PVC	403.89	NS	19.25	NS	NS
	9/27/18	Top of PVC	403.89	16.77	19.25	387.12	0.37
	12/27/18	Top of PVC	403.89	NS	19.25	NS	NS
MW05-11	3/30/18	Top of PVC	410.0	DRY	14.31	DRY	DRY
	6/29/18	Top of PVC	410.0	NS	14.31	NS	NS
	9/27/18	Top of PVC	410.0	NS	14.31	NS	NS
	12/27/18	Top of PVC	410.0	NS	14.31	NS	NS
MW05-21	3/30/18	Top of PVC	411.46	4.25	11.7	407.21	1.2
	6/29/18	Top of PVC	411.46	NS	11.7	NS	NS
	9/27/18	Top of PVC	411.46	5.29	11.7	406.17	1.14
	12/27/18	Top of PVC	411.46	NS	11.7	NS	NS
OB09-36	3/30/18	Top of PVC	414.84	13.05	33.65	401.79	3.4
	6/29/18	Top of PVC	414.84	NS	33.65	NS	NS
	9/27/18	Top of PVC	414.84	16.11	33.65	398.73	3.16
	12/27/18	Top of PVC	414.84	13.54	33.65	401.3	3.47
OB09-38	3/30/18	Top of PVC	416.68	15.1	33.38	401.58	2.9
	6/29/18	Top of PVC	416.68	NS	33.38	NS	NS
	9/27/18	Top of PVC	416.68	18.11	33.38	398.57	2.56
	12/27/18	Top of PVC	416.68	15.61	33.38	401.07	2.82
OW1-1	3/30/18	Top of PVC	421.40	14.29	23.05	407.11	2.1
	6/29/18	Top of PVC	421.40	20.93	23.05	400.47	1.12

Table 1 Groundwater Elevations Pass and Seymour

	9/27/18	Top of PVC	421.40	18.59	23.05	402.81	1.56
	12/27/18	Top of PVC	421.40	15.0	23.05	406.4	2.17
OW1-2	3/30/18	Top of PVC	421.25	17.0	28.00	404.25	1.8
	6/29/18	Top of PVC	421.25	22.37	28.00	398.88	0.43
	9/27/18	Top of PVC	421.25	WD	28.00	WD	WD
	12/27/18	Top of PVC	421.25	WD	28.0	WD	WD
OW1-3	3/30/18	Top of PVC	417.16	14.33	25.75	402.83	1.86
	6/29/18	Top of PVC	417.16	19.29	25.75	397.87	1.01
	9/27/18	Top of PVC	417.16	WD	25.75	WD	WD
	12/27/18	Top of PVC	417.16	WD	25.75	WD	WD
OW1-4	3/30/18	Top of PVC	419.90	17.0	27.97	402.9	1.8
	6/29/18	Top of PVC	419.90	21.0	27.97	398.9	1.14
	9/27/18	Top of PVC	419.90	20	27.97	399.9	1.36
	12/27/18	Top of PVC	419.90	16.0	27.97	403.5	2.04
OW2-2	3/30/18	Top of PVC	416.59	14.94	34.71	401.65	3.22
	6/29/18	Top of PVC	416.59	NS	34.71	NS	NS
	9/27/18	Top of PVC	416.59	17.68	34.71	398.91	2.60
	12/27/18	Top of PVC	416.59	15.02	34.71	401.57	3.05

DTW - Depth to Water

DOW – Depth of Well

(-) – Not measured due to presence of oil layer in well

NA – Not applicable because well was dry

NS- Not Sampled

WD- Well decommissioned

Table 2 Groundwater Field Parameters, Pass and Seymour

Monitoring Well ID	Date 2018	Time	Temp (°C)	Conductivity (mmhos/cm)	Salinity	Dissolved Oxygen (%)	pH (units)	Eh (mV)	Turbidity (NTU)	Amount Purged (gal)
BR07-31	3/30	1245	6.65	3500	2.24	0.80	6.33	125	1.9	5.0
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1125	9.96	3484	1.5	5.85	7.14	125.9	12.5	5.5
	12/27	1000	1.26	3250	1.6	7.6	7.05	166	17.6	11
BR07-32	3/30	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR08-33	3/30	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1335	8.11	7505	3.4	10.5	7.99	76.1	21.0	7.0
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR08-34	3/30	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1315	9.28	6429	3.2	9.72	7.96	126.5	7.82	7.0
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR08-35	3/30	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1225	7.83	4396	2.0	5.72	8.82	129.6	13.2	11
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR09-37	3/30	1520	9.68	2980	0.194	0.51	7.54	136	4.7	4.3
	6/29	1140	16.0	2866	1.82	4.21	7.37	184	3.58	1.3
	9/27	1425	8.21	2426	1.2	8.9	7.53	82.6	17.8	2.5
	12/27	1310	6.31	1889	NM	7.54	7.31	146.2	37	3.75
BR09-39	3/30	1512	11.04	1060	0.68	0.69	6.81	155	2.7	5.7
	6/29	1121	18.65	2220	1.43	13.31	7.41	160	2.4	4.75
	9/27	1400	8.41	2146	1.0	6.26	7.45	105.2	13.1	4
	12/27	1300	6.79	1201	NM	6.18	7.27	118.7	18.5	3
BR10-46	3/30	1222	8.54	2390	1.53	0.95	6.58	131	3.5	6.5
	6/29	1233	16.86	4320	2.78	6.34	7.37	187	6.45	5.75
	9/27	1100	8.12	3760	2.2	5.79	7.41	35.9	15.7	7
	12/27	1215	4.96	3421	1.9	5.28	6.27	172.8	42	5.5
BR10-47	3/30	1200	9.44	2190	1.4	0.43	6.18	119	3.7	8.5
	6/29	1220	16.23	2850	1.82	19.81	7.57	160	4.7	6.5
	9/27	1045	8.53	1958	1.2	7.22	7.68	7.9	32.5	7
	12/27	1155	5.6	1902	0.9	6.81	7.89	156	70	8.25
IW2-1	3/30	1325	9.34	1390	0.89	0.68	6.83	150	17.2	39
	6/29	1210	16.05	4500	2.89	18.21	7.11	84	4.97	32
	9/27	0930	5.89	4664	1.6	4.68	7.31	164.1	3.97	17

Table 2 Groundwater Field Parameters, Pass and Seymour

	12/27	1115	2.13	4140	2.2	8.32	7.51	165	24	19
IW2-3	3/30	1305	8.95	2080	1.33	0.72	6.73	142	4.6	42
	6/29	1205	16.31	3120	2.01	2.84	7.52	211	6.1	35
	9/27	0945	7.41	2410	2.4	4.24	7.55	135.3	74.1	18
	12/27	1115	1.86	2900	1.5	5.85	7.42	137	44.4	21
MW05-02	3/30	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	WD	WD	WD	WD	WD	WD	WD	WD	WD
	12/27	WD	WD	WD	WD	WD	WD	WD	WD	WD
MW05-03	3/30	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-04	3/30	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-5	3/30	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-10	3/30	1400	9.67	5970	3.76	0.86	6.83	115	46.8	2.1
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1205	8.78	4306	2.0	5.72	7.72	113.3	1536	1.25
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-11	3/30	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-21	3/30	1240	5.85	2660	1.7	0.66	6.65	153	3.9	3.6
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1110	10.7	2651	1.6	4.54	7.07	108.7	19.3	3.5
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
OB09-36	3/30	1345	9.26	4860	3.12	0.70	6.57	80	15.8	10.5
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1000	5.7	5015	2.2	4.17	7.55	174.9	42.7	9.5
	12/27	1030	6.05	4900	2.6	5.46	7.55	162	55.7	10.5

Table 2 Groundwater Field Parameters, Pass and Seymour

OB09-38	3/30	1335	9.39	3540	2.27	0.98	6.53	123	23.4	9
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1030	7.0	3873	2.0	7.31	7.16	30.9	22.9	8
	12/27	1140	1.64	3190	1.2	7.53	4.02	165	22	8.5
OW1-1	3/30	1412	9.48	3920	2.51	0.80	6.91	127	13.3	6.5
	6/29	1155	16.82	4310	2.77	20.58	7.54	206	4.1	3.5
	9/27	1150	9.16	4009	2.1	7.65	7.22	103.4	10.59	1.5
	12/27	1245	4.64	2681	2.0	6.99	6.91	169.1	37	3.5
OW1-2	3/30	NM	NM	NM	NM	NM	NM	NM	NM	NM
	6/29	NM	NM	NM	NM	NM	NM	NM	NM	NM
	9/27	WD	WD	WD	WD	WD	WD	WD	WD	WD
	12/27	WD	WD	WD	WD	WD	WD	WD	WD	WD
OW1-3	3/30	1540	8.31	2330	1.49	0.72	6.61	176	0.4	4.0
	6/29	1245	18.37	1950	1.25	11.52	7.87	198	4.1	2.0
	9/27	WD	WD	WD	WD	WD	WD	WD	WD	WD
	12/27	WD	WD	WD	WD	WD	WD	WD	WD	WD
OW1-4	3/30	1500	10.04	1060	0.67	0.39	6.77	144	4.1	5.5
	6/29	1132	17.35	1170	0.74	18.66	7.29	169	2.6	0.75
	9/27	1410	9.81	1225	0.7	4.43	7.36	77.1	11.6	4
	12/27	1250	7.19	920	0.8	4.86	7.18	137.1	38.4	3
OW2-2	3/30	1315	9.04	3140	2.01	0.69	6.62	161	2.9	39
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1015	6.65	4074	2.1	3.83	7.36	182.9	37.2	8
	12/27	1115	2.12	2680	1.4	10.37	7.93	143	61.6	9.5

NA – Parameters not collected due to low volume OR not reported as noted in the field due to problems with field instrumentation

NS – Not Sampled due to insufficient water (well too dry)

NM – Not sampled due to presence of oil layer in well

WD- Well Decommissioned

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR07-31		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	NS	ND	NS	ND	ND
1,1,2,2-Tetrachloroethane	5	NS	ND	NS	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	ND	NS	ND	ND
1,1,2-Trichloroethane	1	NS	ND	NS	MD	ND
1,1-Dichloroethane	5	NS	ND	NS	ND	ND
1,1-Dichloroethene	5	NS	ND	NS	ND	ND
1,2, 4-Trichlorobenzene	5	NS	ND	NS	ND	ND
1,2-Dibromo-3-Chloropropane	0.04	NS	ND	NS	ND	ND
1,2-Dibromoethane		NS	ND	NS	ND	ND
1,2-Dichlorobenzene	3	NS	ND	NS	ND	ND
1,2-Dichloroethane	0.6	NS	ND	NS	ND	ND
1,2 -Dichloropropane	1	NS	ND	NS	ND	ND
1,3-Dichlorobenzene	3	NS	ND	NS	ND	ND
1,4-Dichlorobenzene	3	NS	ND	NS	ND	ND
2-Butanone (MEK))	50	NS	ND	NS	ND	ND
2-Hexanone		NS	ND	NS	ND	ND
4-Methyl-2-pentanone (MIBK)		NS	ND	NS	ND	ND
Acetone	50	NS	ND	NS	3.4 J	ND
Benzene	1	NS	ND	NS	ND	ND
Bromodichloromethane	50	NS	ND	NS	ND	ND
Bromoform	50	NS	ND	NS	ND	ND
Bromomethane	5	NS	ND	NS	ND	ND
Carbon disulfide		NS	ND	NS	ND	ND
Carbon tetrachloride	5	NS	ND	NS	ND	ND
Chlorobenzene	5	NS	ND	NS	ND	ND
Chloroethane	5	NS	ND	NS	ND	ND
Chloroform	7	NS	ND	NS	ND	ND
Chloromethane		NS	ND	NS	ND	ND
cis-1,2-Dichloroethene	5	NS	2.6	NS	20	14
Cis-1,3-Dichloropropene	0.4	NS	ND	NS	ND	ND
Cyclohexane		NS	ND	NS	ND	ND
Dibromochloromethane		NS	ND	NS	ND	ND
Dichlorodifluoromethane	5	NS	ND	NS	ND	ND
Ethylbenzene	5	NS	ND	NS	ND	ND
Isopropylbenzene	5	NS	ND	NS	ND	ND
Methyl acetate		NS	ND	NS	ND	ND
Methyl tert-butyl ether	10	NS	ND	NS	ND	ND
Methylcyclohexane		NS	ND	NS	ND	ND

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	NS	ND	NS	ND	ND
Styrene	5	NS	ND	NS	ND	ND
Tetrachloroethene	5	NS	19	NS	43	31
Toluene	5	NS	ND	NS	ND	ND
trans-1,2-Dichloroethene	5	NS	ND	NS	ND	ND
trans-1,3-Dichloropropene	0.4	NS	ND	NS	ND	ND
Trichloroethene	5	NS	3.1	NS	9.6	7.4
Trichlorofluoromethane	5	NS	ND	NS	ND	ND
Vinyl chloride	2	NS	ND	NS	ND	ND
Xylenes, Total	5	NS	ND	NS	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	NS	ND	NS	3,300	470 J
Manganese (EPA Method 6010B)		NS	110	NS	170	140
Nitrate as N (EPA Method 9056)	10,000	NS	106,000	NS	6,900	32,400
Chemical Oxygen Demand (EPA Method 410.4)		NS	15,400 B	NS	ND	93,700 B
Total Organic Carbon (EPA Method 9060A)		NS	5,800	NS	2,000	3,000

All values reported as ug/L

B-Compound was found in the blank and sample

ND – Analyzed for but NOT DETECTED

NS – Not Sampled

J – Includes an estimated value

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 – Pass & Seymour 2018 Post-ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR07-32		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	NS	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	NS	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS	NS	NS	NS
1,1,2-Trichloroethane	1	NS	NS	NS	NS	NS
1,1-Dichloroethane	5	NS	NS	NS	NS	NS
1,1N-Dichloroethene	5	NS	NS	NS	NS	NS
1,2, 4-Trichlorobenzene	5	NS	NS	NS	NS	NS
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	NS	NS
1,2-Dibromoethane		NS	NS	NS	NS	NS
1,2-Dichlorobenzene	3	NS	NS	NS	NS	NS
1,2-Dichloroethane	0.6	NS	NS	NS	NS	NS
1,2 -Dichloropropane	1	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	3	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	3	NS	NS	NS	NS	NS
2-Butanone (MEK))	50	NS	NS	NS	NS	NS
2-Hexanone		NS	NS	NS	NS	NS
4-Methyl-2-pentanone (MIBK)		NS	NS	NS	NS	NS
Acetone	50	NS	NS	NS	NS	NS
Benzene	1	NS	NS	NS	NS	NS
Bromodichloromethane	50	NS	NS	NS	NS	NS
Bromoform	50	NS	NS	NS	NS	NS
Bromomethane	5	NS	NS	NS	NS	NS
Carbon disulfide		NS	NS	NS	NS	NS
Carbon tetrachloride	5	NS	NS	NS	NS	NS
Chlorobenzene	5	NS	NS	NS	NS	NS
Chloroethane	5	NS	NS	NS	NS	NS
Chloroform	7	NS	NS	NS	NS	NS
Chloromethane		NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	5	NS	NS	NS	NS	NS
Cis-1,3-Dichloropropene	0.4	NS	NS	NS	NS	NS
Cyclohexane		NS	NS	NS	NS	NS
Dibromochloromethane		NS	NS	NS	NS	NS
Dichlorodifluoromethane	5	NS	NS	NS	NS	NS
Ethylbenzene	5	NS	NS	NS	NS	NS
Isopropylbenzene	5	NS	NS	NS	NS	NS
Methyl acetate		NS	NS	NS	NS	NS
Methyl tert-butyl ether	10	NS	NS	NS	NS	NS
Methylcyclohexane		NS	NS	NS	NS	NS
Methylene chloride	5	NS	NS	NS	NS	NS
Styrene	5	NS	NS	NS	NS	NS

[Pick the date]



Table 3 – Pass & Seymour 2018 Post-ISCO Groundwater Sample Analytical Results

Tetrachloroethene	5	NS	NS	NS	NS	NS
Toluene	5	NS	NS	NS	NS	NS
trans-1,2-Dichloroethene	5	NS	NS	NS	NS	NS
trans-1,3-Dichloropropene	0.4	NS	NS	NS	NS	NS
Trichloroethene	5	NS	NS	NS	NS	NS
Trichlorofluoromethane	5	NS	NS	NS	NS	NS
Vinyl chloride	2	NS	NS	NS	NS	NS
Xylenes, Total	5	NS	NS	NS	NS	NS

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	NS	NS	NS	NS	NS
Manganese (EPA Method 6010B)		NS	NS	NS	NS	NS
Nitrate as N (EPA Method 9056)	10,000	NS	NS	NS	NS	NS
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS	NS	NS	NS
Total Organic Carbon (EPA Method 9060A)		NS	NS	NS	NS	NS

All values reported as ug/L

B-Compound was found in the blank and sample

ND – Analyzed for but NOT DETECTED

NS – Not Sampled

J – Includes an estimated value

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

[Pick the date]



Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR08-33		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	NS	NS	NS	ND	NS
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	ND	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS	NS	ND	NS
1,1,2-Trichloroethane	1	NS	NS	NS	ND	NS
1,1-Dichloroethane	5	NS	NS	NS	ND	NS
1,1-Dichloroethene	5	NS	NS	NS	ND	NS
1,2, 4-Trichlorobenzene	5	NS	NS	NS	ND	NS
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	ND	NS
1,2-Dibromoethane		NS	NS	NS	ND	NS
1,2-Dichlorobenzene	3	NS	NS	NS	ND	NS
1,2-Dichloroethane	0.6	NS	NS	NS	ND	NS
1,2 -Dichloropropane	1	NS	NS	NS	ND	NS
1,3-Dichlorobenzene	3	NS	NS	NS	ND	NS
1,4-Dichlorobenzene	3	NS	NS	NS	ND	NS
2-Butanone (MEK))	50	NS	NS	NS	ND	NS
2-Hexanone		NS	NS	NS	ND	NS
4-Methyl-2-pentanone (MIBK)		NS	NS	NS	ND	NS
Acetone	50	NS	NS	NS	ND	NS
Benzene	1	NS	NS	NS	ND	NS
Bromodichloromethane	50	NS	NS	NS	ND	NS
Bromoform	50	NS	NS	NS	ND	NS
Bromomethane	5	NS	NS	NS	ND	NS
Carbon disulfide		NS	NS	NS	ND	NS
Carbon tetrachloride	5	NS	NS	NS	ND	NS
Chlorobenzene	5	NS	NS	NS	ND	NS
Chloroethane	5	NS	NS	NS	ND	NS
Chloroform	7	NS	NS	NS	ND	NS
Chloromethane		NS	NS	NS	ND	NS
cis-1,2-Dichloroethene	5	NS	NS	NS	ND	NS
Cis-1,3-Dichloropropene	0.4	NS	NS	NS	ND	NS
Cyclohexane		NS	NS	NS	ND	NS
Dibromochloromethane		NS	NS	NS	ND	NS
Dichlorodifluoromethane	5	NS	NS	NS	ND	NS
Ethylbenzene	5	NS	NS	NS	ND	NS
Isopropylbenzene	5	NS	NS	NS	ND	NS
Methyl acetate		NS	NS	NS	ND	NS

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10	NS	NS	NS	ND	NS
Methylcyclohexane		NS	NS	NS	ND	NS
Methylene chloride	5	NS	NS	NS	ND	NS
Styrene	5	NS	NS	NS	ND	NS
Tetrachloroethene	5	NS	NS	NS	ND	NS
Toluene	5	NS	NS	NS	ND	NS
trans-1,2-Dichloroethene	5	NS	NS	NS	ND	NS
trans-1,3-Dichloropropene	0.4	NS	NS	NS	ND	NS
Trichloroethene	5	NS	NS	NS	ND	NS
Trichlorofluoromethane	5	NS	NS	NS	ND	NS
Vinyl chloride	2	NS	NS	NS	ND	NS
Xylenes, Total	5	NS	NS	NS	ND	NS

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/19	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	NS	NS	NS	6,600	NS
Manganese (EPA Method 6010B)		NS	NS	NS	700	NS
Nitrate as N (EPA Method 9056)	10,000	NS	NS	NS	NM	NS
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS	NS	ND	NS
Total Organic Carbon (EPA Method 9060A)		NS	NS	NS	770 J B	NS

All values reported as ug/L

B-Compound was found in the blank and sample

ND – Analyzed for but NOT DETECTED

NM-Not measured

NS – Not Sampled

J – Includes an estimated value

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR08-34		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	NS	NS	NS	ND	NS
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	ND	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS	NS	ND	NS
1,1,2-Trichloroethane	1	NS	NS	NS	ND	NS
1,1-Dichloroethane	5	NS	NS	NS	ND	NS
1,1-Dichloroethene	5	NS	NS	NS	ND	NS
1,2, 4-Trichlorobenzene	5	NS	NS	NS	ND	NS
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	ND	NS
1,2-Dibromoethane		NS	NS	NS	ND	NS
1,2-Dichlorobenzene	3	NS	NS	NS	ND	NS
1,2-Dichloroethane	0.6	NS	NS	NS	ND	NS
1,2 -Dichloropropane	1	NS	NS	NS	ND	NS
1,3-Dichlorobenzene	3	NS	NS	NS	ND	NS
1,4-Dichlorobenzene	3	NS	NS	NS	ND	NS
2-Butanone (MEK))	50	NS	NS	NS	ND	NS
2-Hexanone		NS	NS	NS	ND	NS
4-Methyl-2-pentanone (MIBK)		NS	NS	NS	ND	NS
Acetone	50	NS	NS	NS	ND	NS
Benzene	1	NS	NS	NS	ND	NS
Bromodichloromethane	50	NS	NS	NS	ND	NS
Bromoform	50	NS	NS	NS	ND	NS
Bromomethane	5	NS	NS	NS	ND	NS
Carbon disulfide		NS	NS	NS	ND	NS
Carbon tetrachloride	5	NS	NS	NS	ND	NS
Chlorobenzene	5	NS	NS	NS	ND	NS
Chloroethane	5	NS	NS	NS	ND	NS
Chloroform	7	NS	NS	NS	ND	NS
Chloromethane		NS	NS	NS	ND	NS
cis-1,2-Dichloroethene	5	NS	NS	NS	ND	NS
Cis-1,3-Dichloropropene	0.4	NS	NS	NS	ND	NS
Cyclohexane		NS	NS	NS	ND	NS
Dibromochloromethane		NS	NS	NS	ND	NS
Dichlorodifluoromethane	5	NS	NS	NS	ND	NS
Ethylbenzene	5	NS	NS	NS	ND	NS
Isopropylbenzene	5	NS	NS	NS	ND	NS
Methyl acetate		NS	NS	NS	ND	NS
Methyl tert-butyl ether	10	NS	NS	NS	ND	NS
Methylcyclohexane		NS	NS	NS	ND	NS

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	NS	NS	NS	ND	NS
Styrene	5	NS	NS	NS	ND	NS
Tetrachloroethene	5	NS	NS	NS	ND	NS
Toluene	5	NS	NS	NS	ND	NS
trans-1,2-Dichloroethene	5	NS	NS	NS	ND	NS
trans-1,3-Dichloropropene	0.4	NS	NS	NS	ND	NS
Trichloroethene	5	NS	NS	NS	ND	NS
Trichlorofluoromethane	5	NS	NS	NS	ND	NS
Vinyl chloride	2	NS	NS	NS	ND	NS
Xylenes, Total	5	NS	NS	NS	ND	NS

Other Analytes	GW Std (ug/L)	Pre- ISCO	1stQTR 3/31/18	2nd QTR 6/29/18	3rd QTR 9/27/18	4th QTR 12/27/18
Iron (EPA Method 6010B)	300	NS	NS	NS	21 J	NS
Manganese (EPA Method 6010B)		NS	NS	NS	260	NS
Nitrate as N (EPA Method 9056)	10,000	NS	NS	NS	370	NS
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS	NS	ND	NS
Total Organic Carbon (EPA Method 9060A)		NS	NS	NS	ND	NS

All values reported as ug/L

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E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR08-35		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	NS	NS	NS	ND	NS
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	ND	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS	NS	ND	NS
1,1,2-Trichloroethane	1	NS	NS	NS	ND	NS
1,1-Dichloroethane	5	NS	NS	NS	ND	NS
1,1-Dichloroethene	5	NS	NS	NS	ND	NS
1,2, 4-Trichlorobenzene	5	NS	NS	NS	ND	NS
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	ND	NS
1,2-Dibromoethane		NS	NS	NS	ND	NS
1,2-Dichlorobenzene	3	NS	NS	NS	ND	NS
1,2-Dichloroethane	0.6	NS	NS	NS	ND	NS
1,2 -Dichloropropane	1	NS	NS	NS	ND	NS
1,3-Dichlorobenzene	3	NS	NS	NS	ND	NS
1,4-Dichlorobenzene	3	NS	NS	NS	ND	NS
2-Butanone (MEK))	50	NS	NS	NS	ND	NS
2-Hexanone		NS	NS	NS	ND	NS
4-Methyl-2-pentanone (MIBK)		NS	NS	NS	ND	NS
Acetone	50	NS	NS	NS	ND	NS
Benzene	1	NS	NS	NS	ND	NS
Bromodichloromethane	50	NS	NS	NS	ND	NS
Bromoform	50	NS	NS	NS	ND	NS
Bromomethane	5	NS	NS	NS	ND	NS
Carbon disulfide		NS	NS	NS	ND	NS
Carbon tetrachloride	5	NS	NS	NS	ND	NS
Chlorobenzene	5	NS	NS	NS	ND	NS
Chloroethane	5	NS	NS	NS	ND	NS
Chloroform	7	NS	NS	NS	ND	NS
Chloromethane		NS	NS	NS	ND	NS
cis-1,2-Dichloroethene	5	NS	NS	NS	ND	NS
Cis-1,3-Dichloropropene	0.4	NS	NS	NS	ND	NS
Cyclohexane		NS	NS	NS	ND	NS
Dibromochloromethane		NS	NS	NS	ND	NS
Dichlorodifluoromethane	5	NS	NS	NS	ND	NS
Ethylbenzene	5	NS	NS	NS	ND	NS
Isopropylbenzene	5	NS	NS	NS	ND	NS
Methyl acetate		NS	NS	NS	ND	NS
Methyl tert-butyl ether	10	NS	NS	NS	ND	NS
Methylcyclohexane		NS	NS	NS	ND	NS

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	NS	NS	NS	ND	NS
Styrene	5	NS	NS	NS	ND	NS
Tetrachloroethene	5	NS	NS	NS	ND	NS
Toluene	5	NS	NS	NS	ND	NS
trans-1,2-Dichloroethene	5	NS	NS	NS	ND	NS
trans-1,3-Dichloropropene	0.4	NS	NS	NS	ND	NS
Trichloroethene	5	NS	NS	NS	ND	NS
Trichlorofluoromethane	5	NS	NS	NS	ND	NS
Vinyl chloride	2	NS	NS	NS	ND	NS
Xylenes, Total	5	NS	NS	NS	ND	NS

Other Analytes	GW Std (ug/L)	Pre- ISCO	1st QTR 3/31/18	2nd QTR 6/29/18	3rd QTR 9/27/18	4th QTR 12/27/18
Iron (EPA Method 6010B)	300	NS	NS	NS	490	NS
Manganese (EPA Method 6010B)		NS	NS	NS	170	NS
Nitrate as N (EPA Method 9056)	10,000	NS	NS	NS	530	NS
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS	NS	ND	NS
Total Organic Carbon (EPA Method 9060A)		NS	NS	NS	ND	NS

All values reported as ug/L

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(*) No sample collected because well too dry

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GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR09-37		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
D1,1,2-Trichloro- 1,ND2,2trifluoroethane	5		ND	ND	ND	ND
ND1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND
1,2, 4-Trichlorobenzene	5		ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	ND
1,2-Dibromoethane			ND	ND	ND	ND
1,2-Dichlorobenzene	3		ND	ND	ND	ND
1,2-Dichloroethane	0.06	ND	ND	ND	ND	ND
1,2 -Dichloropropane	1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3		ND	ND	ND	ND
1,4-Dichlorobenzene	3		ND	ND	ND	ND
2-Butanone (MEK))	50	ND	ND	ND	ND	ND
2-Hexanone			ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	1,400	1,900	5,800	7,900
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Cyclohexane			ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND
Isopropylbenzene	5		ND	ND	ND	ND
Methyl acetate			ND	ND	ND	ND

Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10		ND	ND	ND	ND
Methylcyclohexane			ND	ND	ND	ND
Methylene chloride	5	ND	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Trichloroethene	5	7,800	24,000	47,000	72,000	120,000
Trichlorofluoromethane	5		ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	17,000	360	1,900	2,600	1,300
Manganese (EPA Method 6010B)		NS	210	1,400 B	1,700	550
Nitrate as N (EPA Method 9056)	10,000	2,100	210	1,500	1,200	1,900
Chemical Oxygen Demand (EPA Method 410.4)		9,400	ND	26,800 B	6,000 J	34,500 B
Total Organic Carbon (EPA Method 9060A)	NS	ND	770 J B	1,800 B	1,400 B	2,100

All values reported as ug/L

B – Compound was found in the blank and sample

ND – Analyzed for but NOT DETECTED

J – Includes an estimated value

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

F1 – MS and/or MSD Recovery is outside acceptable limits

F2 – MS/MSD exceeds control limits

Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR09-39		2018 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5		ND	ND	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	.63 J	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND
1,2, 4-Trichlorobenzene	5		ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	ND
1,2-Dibromoethane			ND	ND	ND	ND
1,2-Dichlorobenzene	3		ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND
1,2 -Dichloropropane	1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3		ND	ND	ND	ND
1,4-Dichlorobenzene	3		ND	ND	ND	ND
2-Butanone (MEK))	50	ND	ND	ND	ND	ND
2-Hexanone			ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	12	7.2	55	32	32
cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Cyclohexane			ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND
Isopropylbenzene	5		ND	ND	ND	ND
Methyl acetate			ND	ND	ND	ND
Methyl tert-butyl ether	10		ND	ND	ND	ND
Methylcyclohexane			ND	ND	ND	ND

Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	ND	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	2.2	8.0	5.0 J	5.2 J
Toluene	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Trichloroethene	5	290	87	590	350	340
Trichlorofluoromethane	5		ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	132	21 J	66	40 J	220
Manganese (EPA Method 6010B)			ND	11 B	11	37
Nitrate as N (EPA Method 9056)	10,000	10,400	4,500	3,700	4,100	5,200
Chemical Oxygen Demand (EPA Method 410.4)		4,300	ND	12,900 B	ND	18,700 B
Total Organic Carbon (EPA Method 9060A)		ND	910 J B	1,100 B	650 J B	1,500

All values reported as ug/L

ND – Analyzed for but NOT DETECTED

J – Includes an estimated value

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS- Not Sampled

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

F1-MS and/or MSD Recovery exceeds the control limits

Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR10-46		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5		ND	24	ND	ND
1,1,2,2-Tetrachloroethane	5		ND	ND	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	ND
1,1,2-Trichloroethane	1		ND	ND	ND	ND
1,1-Dichloroethane	5		ND	4.8 J	ND	ND F 1
1,1-Dichloroethene	5		ND	7.7 J	ND	ND
1,2, 4-Trichlorobenzene	5		ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	ND
1,2-Dibromoethane			ND	ND	ND	ND
1,2-Dichlorobenzene	3		ND	ND	ND	ND
1,2-Dichloroethane	0.6		ND	ND	ND	ND
1,2 -Dichloropropane	1		ND	ND	ND	ND
1,3-Dichlorobenzene	3		ND	ND	ND	ND
1,4-Dichlorobenzene	3		ND	ND	ND	ND
2-Butanone (MEK))	50		ND	ND	ND	ND
2-Hexanone			ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)			ND	ND	ND	ND
Acetone	50		ND	ND	ND	ND
Benzene	1		ND	ND	ND	ND
Bromodichloromethane	50		ND	ND	ND	ND
Bromoform	50		ND	ND	ND	ND
Bromomethane	5		ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND
Carbon tetrachloride	5		ND	ND	ND	ND
Chlorobenzene	5		ND	ND	ND	ND
Chloroethane	5		ND	ND	ND	ND
Chloroform	7		ND	ND	ND	ND
Chloromethane			ND	ND	ND	ND F 1
cis-1,2-Dichloroethene	5		45	720	260	520
cis-1,3-Dichloropropene	0.4		ND	ND	ND	ND
Cyclohexane			ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND
Ethylbenzene	5		ND	ND	ND	ND
Isopropylbenzene	5		ND	ND	ND	ND
Methyl acetate			ND	ND	ND	ND

Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10		ND	ND	ND	ND
Methylcyclohexane			ND	ND	ND	ND
Methylene chloride	5		ND	ND	ND	ND
Styrene	5		ND	ND	ND	ND
Tetrachloroethene	5		ND	7.1 J	ND	ND
Toluene	5		ND	ND	ND	ND
trans-1,2-Dichloroethene	5		ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4		ND	ND	ND	ND
Trichloroethene	5		200	6,100	3,100	4,500
Trichlorofluoromethane	5		ND	ND	ND	ND
Vinyl chloride	2		ND	ND	ND	ND
Xylenes, Total	5		ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300		750	3,100	490	1,200
Manganese (EPA Method 6010B)			580	1,800 B	500	950
Nitrate as N (EPA Method 9056)	10,000		430	2,100	2,100	3,000
Chemical Oxygen Demand (EPA Method 410.4)			13,500	17,900 B	ND	17,700 B
Total Organic Carbon (EPA Method 9060A)			3,700 B	1,400 B	11,800 B	2,000

All values reported as ug/L

B- Compound was found in blank and sample

ND – Analyzed for but NOT DETECTED

J – Includes an estimated value

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS- Not Sampled

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

F 1 –MS added and/or MSD Recovery is outside acceptance limits

Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR10-47		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5		ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5		ND	ND	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	ND
1,1,2-Trichloroethane	1		ND	ND	ND	ND
1,1-Dichloroethane	5		ND	ND	ND	ND
1,1-Dichloroethene	5		ND	ND	ND	ND
1,2, 4-Trichlorobenzene	5		ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	ND
1,2-Dibromoethane			ND	ND	ND	ND
1,2-Dichlorobenzene	3		ND	ND	ND	ND
1,2-Dichloroethane	0.6		ND	ND	ND	ND
1,2 -Dichloropropane	1		ND	ND	ND	ND
1,3-Dichlorobenzene	3		ND	ND	ND	ND
1,4-Dichlorobenzene	3		ND	ND	ND	ND
2-Butanone (MEK))	50		ND	ND	ND	ND
2-Hexanone			ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)			ND	ND	ND	ND
Acetone	50		ND	ND	ND	ND
Benzene	1		ND	ND	ND	ND
Bromodichloromethane	50		ND	ND	ND	ND
Bromoform	50		ND	ND	ND	ND
Bromomethane	5		ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND
Carbon tetrachloride	5		ND	ND	ND	ND
Chlorobenzene	5		ND	ND	ND	ND
Chloroethane	5		ND	ND	ND	ND
Chloroform	7		ND	ND	8.3 J	ND
Chloromethane			ND	ND	ND	ND
cis-1,2-Dichloroethene	5		12	5.9	97	230
cis-1,3-Dichloropropene	0.4		ND	ND	ND	ND
Cyclohexane			ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND
Ethylbenzene	5		ND	ND	ND	ND
Isopropylbenzene	5		ND	ND	ND	ND
Methyl acetate			ND	ND	ND	ND

Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10		ND	ND	ND	ND
Methylcyclohexane			ND	ND	ND	ND
Methylene chloride	5		ND	ND	ND	ND
Styrene	5		ND	ND	ND	ND
Tetrachloroethene	5		NDJ	ND	ND	ND
Toluene	5		ND	ND	ND	ND
trans-1,2-Dichloroethene	5		ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4		ND	ND	ND	ND
Trichloroethene	5		63	33	1,100	2,300
Trichlorofluoromethane	5		ND	ND	ND	ND
Vinyl chloride	2		ND	ND	ND	ND
Xylenes, Total	5		ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 ST QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300		430	4,600	1,400	14,900
Manganese (EPA Method 6010B)			2,000	13,100 B	3,100	33,300
Nitrate as N (EPA Method 9056)	10,000		5,000	5,800	3,600	5,500
Chemical Oxygen Demand (EPA Method 410.4)			6,500 J	339,000 B	ND	26,100
Total Organic Carbon (EPA Method 9060A)			1,100 B	1,300 B	1,000 B	1,500 B

All values reported as ug/L

B- Compound was found in blank and sample

ND – Analyzed for but NOT DETECTED

J – Includes an estimated value

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS- Not Sampled

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL IW2-1		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	1.5	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	1.1	ND	ND
1,1-Dichloroethene	5	ND	ND	1.7	ND	ND
1,2, 4-Trichlorobenzene	5		ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	ND
1,2-Dibromoethane			ND	ND	ND	ND
1,2-Dichlorobenzene	3		ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND
1,2 -Dichloropropane	1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3		ND	ND	ND	ND
1,4-Dichlorobenzene	3		ND	ND	ND	ND
2-Butanone (MEK))	50	ND	ND	ND	ND	ND
2-Hexanone			ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND
Carbon tetrachloride	5		ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	210	2.4	210	160	160
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Cyclohexane			ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND
Isopropylbenzene	5		ND	ND	ND	ND
Methyl acetate			ND	ND	ND	ND

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10		ND	ND	ND	ND
Methylcyclohexane			ND	ND	ND	ND
Methylene chloride	5	39 J	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	1.4	ND	ND
Toluene	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Trichloroethene	5	3,900	12	1,200	970	1,100
Trichlorofluoromethane	5		ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 ST QTR 3/31/18	2 ND QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	1,610	5,000	4,900	74	36 J
Manganese (EPA Method 6010B)			160	500 B	420	410
Nitrate as N (EPA Method 9056)	10,000	440	230	440	230	810
Chemical Oxygen Demand (EPA Method 410.4)		5,800	25,100 B	76,600 B	ND	28,500 J B
Total Organic Carbon (EPA Method 9060A)		ND	2,500	1,200 B	890 J B	1,400

All values reported as ug/L

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J – Includes an estimated value

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

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NS – Not Sampled

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL IW2-3		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5		ND	ND	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	.47 J	ND
1,2, 4-Trichlorobenzene	5		ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	ND
1,2-Dibromoethane			ND	ND	ND	ND
1,2-Dichlorobenzene	3		ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND
1,2 -Dichloropropane	1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3		ND	ND	ND	ND
1,4-Dichlorobenzene	3		ND	ND	ND	ND
2-Butanone (MEK))	50	ND	ND	ND	ND	ND
2-Hexanone			ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		110	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	370	2.9	3.6	14	5.1
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Cyclohexane			ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND
Isopropylbenzene	5		ND	ND	ND	ND
Methyl acetate			ND	ND	ND	ND
Methyl tert-butyl ether	10		ND	ND	ND	ND
Methylcyclohexane			ND	ND	ND	ND

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	110 J	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Trichloroethene	5	6,000	30	45	170	55
Trichlorofluoromethane	5		ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 ST QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	4,870	750	2,600	3,700	1,200
Manganese (EPA Method 6010B)	300	473	240	180 B	790	240
Nitrate as N (EPA Method 9056)	10,000	750	2,400	3,800	3,600	3,400
Chemical Oxygen Demand (EPA Method 410.4)		7,100	16,200 J	32,700	ND	ND
Total Organic Carbon (EPA Method 9060A)		ND	2,400	1,300 B	3,300 B	2,300

All values reported as ug/L

B-Compound was found in the blank and sample

ND – Analyzed for but NOT DETECTED

J – Includes an estimated value

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-02		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	NS*	NS	WD	WD
1,1,2,2-Tetrachloroethane	5	ND	NS*	NS	WD	WD
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS	WD	WD
1,1,2-TrichloroethaneD	1	ND	NS*	NS	WD	WD
1,1-DichloroethaneND	5	ND	NS*	NS	WD	WD
1,1-DichloroetheneND	5	ND	NS*	NS	WD	WD
1,2, 4-TrichlorobenzenNDe	5	ND	NS*	NS	WD	WD
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS	WD	WD
1,2-Dibromoethane		ND	NS*	NS	WD	WD
1,2-Dichlorobenzene	3	ND	NS*	NS	WD	WD
1,2-Dichloroethane	0.06	ND	NS*	NS	WD	WD
1,2 -Dichloropropane	1	ND	NS*	NS	WD	WD
1,3 Dichlorobenzene	3	ND	NS*	NS	WD	WD
1,4-Dichlorobenzene	3	ND	NS*	NS	WD	WD
2-Butanone (MEK))	50	ND	NS*	NS	WD	WD
2-Hexanone		ND	NS*	NS	WD	WD
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS	WD	WD
Acetone	50	ND	NS*	NS	WD	WD
Benzene	1	ND	NS*	NS	WD	WD
Bromodichloromethane	50	ND	NS*	NS	WD	WD
Bromoform	50	ND	NS*	NS	WD	WD
Bromomethane	5	ND	NS*	NS	WD	WD
Carbon disulfide		ND	NS*	NS	WD	WD
Carbon tetrachloride	5	ND	NS*	NS	WD	WD
Chlorobenzene	5	ND	NS*	NS	WD	WD
Chloroethane	5	ND	NS*	NS	WD	WD
Chloroform	7	ND	NS*	NS	WD	WD
Chloromethane		ND	NS*	NS	WD	WD
cis-1,2-Dichloroethene	5	1.5	NS*	NS	WD	WD
cis-1,3-Dichloropropene	0.4	ND	NS*	NS	WD	WD
Cyclohexane		ND	NS*	NS	WD	WD
Dibromochloromethane		ND	NS*	NS	WD	WD
Dichlorodifluoromethane	5	ND	NS*	NS	WD	WD
Ethylbenzene	5	ND	NS*	NS	WD	WD
Isopropylbenzene	5	ND	NS*	NS	WD	WD
Methyl acetate		ND	NS*	NS	WD	WD

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10	ND	NS*	NS	WD	WD
Methylcyclohexane		ND	NS*	NS	WD	WD
Methylene chloride	5	ND	NS*	NS	WD	WD
Styrene	5	ND	NS*	NS	WD	WD
Tetrachloroethene	5	ND	NS*	NS	WD	WD
Toluene	5	ND	NS*	NS	WD	WD
trans-1,2-Dichloroethene	5	ND	NS*	NS	WD	WD
Trans-1,3-Dichloropropene	0.4	ND	NS*	NS	WD	WD
Trichloroethene	5	220	NS*	NS	WD	WD
Trichlorofluoromethane	5	ND	NS*	NS	WD	WD
Vinyl chloride	2	ND	NS*	NS	WD	WD
Xylenes, Total	5	ND	NS*	NS	WD	WD

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	2,7800	NS*	NS	WD	WD
Manganese (EPA Method 6010B)		193	NS*	NS	WD	WD
Nitrate as N (EPA Method 9056)	10,000	ND	NS*	NS	WD	WD
Chemical Oxygen Demand (EPA Method 410.4)	NS	22,000	NS*	NS	WD	WD
Total Organic Carbon (EPA Method 9060A)	NS	1,600	NS*	NS	WD	WD

All values reported as ug/L

ND-Analyzed for but NOT DETECTED

B – Compound was found in the blank and sample

J-Includes an estimated value

(*) No sample collected because well is too dry

Pre-ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC)
Division of Water Technical and Operational Guidance Series (June 1998)

WD- Well Decommissioned

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-03		2018 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre- ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	NS*	NS*	NS*	NS
1,1,2,2-Tetrachloroethane	5	ND	NS *	NS*	NS*	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS*	NS*	NS
1,1,2-TrichloroethaneD	1	ND	NS*	NS*	NS*	NS
1,1-DichloroethaneND	5	ND	NS*	NS*	NS*	NS
1,1-DichloroetheneND	5	ND	NS*	NS*	NS*	NS
1,2, 4-TrichlorobenzenNDe	5	ND	NS*	NS*	NS*	NS
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS*	NS*	NS
1,2-Dibromoethane		ND	NS*	NS*	NS*	NS
1,2-Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
1,2-Dichloroethane	0.06	ND	NS*	NS*	NS*	NS
1,2 -Dichloropropane	1	ND	NS*	NS*	NS*	NS
1,3 Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
1,4-Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
2-Butanone (MEK))	50	ND	NS*	NS*	NS*	NS
2-Hexanone		ND	NS*	NS*	NS*	NS
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS*	NS*	NS
Acetone	50	ND	NS*	NS*	NS*	NS
Benzene	1	ND	NS*	NS*	NS*	NS
Bromodichloromethane	50	ND	NS*	NS*	NS*	NS
Bromoform	50	ND	NS*	NS*	NS*	NS
Bromomethane	5	ND	NS*	NS*	NS*	NS
Carbon disulfide		ND	NS*	NS*	NS*	NS
Carbon tetrachloride	5	ND	NS*	NS*	NS*	NS
Chlorobenzene	5	ND	NS*	NS*	NS*	NS
Chloroethane	5	ND	NS*	NS*	NS*	NS
Chloroform	7	ND	NS*	NS*	NS*	NS
Chloromethane		ND	NS*	NS*	NS*	NS
cis-1,2-Dichloroethene	5	1.5	NS*	NS*	NS*	NS
cis-1,3-Dichloropropene	0.4	ND	NS*	NS*	NS*	NS
Cyclohexane		ND	NS*	NS*	NS*	NS
Dibromochloromethane		ND	NS*	NS*	NS*	NS
Dichlorodifluoromethane	5	ND	NS*	NS*	NS*	NS
Ethylbenzene	5	ND	NS*	NS*	NS*	NS
Isopropylbenzene	5	ND	NS*	NS*	NS*	NS
Methyl acetate		ND	NS*	NS*	NS*	NS

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10	ND	NS*	NS*	NS*	NS
Methylcyclohexane		ND	NS*	NS*	NS*	NS
Methylene chloride	5	ND	NS*	NS*	NS*	NS
Styrene	5	ND	NS*	NS*	NS*	NS
Tetrachloroethene	5	ND	NS*	NS*	NS*	NS
Toluene	5	ND	NS*	NS*	NS*	NS
trans-1,2-Dichloroethene	5	ND	NS*	NS*	NS*	NS
Trans-1,3-Dichloropropene	0.4	ND	NS*	NS*	NS*	NS
Trichloroethene	5	220	NS*	NS*	NS*	NS
Trichlorofluoromethane	5	ND	NS*	NS*	NS*	NS
Vinyl chloride	2	ND	NS*	NS*	NS*	NS
Xylenes, Total	5	ND	NS*	NS*	NS*	NS

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/28/17	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	2,7800	NS*	NS*	NS*	NS
Manganese (EPA Method 6010B)		193	NS*	NS*	NS*	NS
Nitrate as N (EPA Method 9056)	10,000	ND	NS*	NS*	NS*	NS
Chemical Oxygen Demand (EPA Method 410.4)	NS	22,000	NS*	NS*	NS*	NS
Total Organic Carbon (EPA Method 9060A)	NS	1,600	NS*	NS*	NS*	NS

All values reported as ug/L

ND-Analyzed for but NOT DETECTED

B – Compound was found in the blank and sample

J-Includes an estimated value

(*) No sample collected because well is too dry

Pre-ISCO data collected

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GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC)
Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-04		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	NS*	NS*	NS*	NS
1,1,2,2-Tetrachloroethane	5	ND	NS*	NS**	NS*	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS*	NS*	NS
1,1,2-Trichloroethane	1	ND	NS*	NS*	NS*	NS
1,1-Dichloroethane	5	ND	NS*	NS*	NS*	NS
1,1-Dichloroethene	5	ND	NS*	NS*	NS*	NS
1,2, 4-Trichlorobenzene	5	ND	NS*	NS*	NS*	NS
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS*	NS*	NS
1,2-Dibromoethane		ND	NS*	NS*	NS*	NS
1,2-Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
1,2-Dichloroethane	0.06	ND	NS*	NS*	NS*	NS
1,2 -Dichloropropane	1	ND	NS*	NS*	NS*	NS
1,3 Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
1,4-Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
2-Butanone (MEK))	50	ND	NS*	NS*	NS*	NS
2-Hexanone		ND	NS*	NS*	NS*	NS
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS*	NS*	NS
Acetone	50	ND	NS*	NS*	NS*	NS
Benzene	1	ND	NS*	NS*	NS*	NS
Bromodichloromethane	50	ND	NS*	NS*	NS*	NS
Bromoform	50	ND	NS*	NS*	NS*	NS
Bromomethane	5	ND	NS*	NS*	NS*	NS
Carbon disulfide		ND	NS*	NS*	NS*	NS
Carbon tetrachloride	5	ND	NS*	NS*	NS*	NS
Chlorobenzene	5	ND	NS*	NS*	NS*	NS
Chloroethane	5	ND	NS*	NS*	NS*	NS
Chloroform	7	ND	NS*	NS*	NS*	NS
Chloromethane		ND	NS*	NS*	NS*	NS
cis-1,2-Dichloroethene	5	ND	NS*	NS*	NS*	NS
cis-1,3-Dichloropropene	0.4	ND	NS*	NS*	NS*	NS
Cyclohexane		ND	NS*	NS*	NS*	NS
Dibromochloromethane		ND	NS*	NS*	NS*	NS
Dichlorodifluoromethane	5	ND	NS*	NS*	NS*	NS
Ethylbenzene	5	ND	NS*	NS*	NS*	NS
Isopropylbenzene	5	ND	NS*	NS*	NS*	NS
Methyl acetate		ND	NS*	NS*	NS*	NS

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10	ND	NS*	NS*	NS*	NS
Methylcyclohexane		ND	NS*	NS*	NS*	NS
Methylene chloride	5	ND	NS*	NS*	NS*	NS
Styrene	5	ND	NS*	NS*	NS*	NS
Tetrachloroethene	5	ND	NS*	NS*	NS*	NS
Toluene	5	ND	NS*	NS*	NS*	NS
trans-1,2-Dichloroethene	5	ND	NS*	NS*	NS*	NS
Trans-1,3-Dichloropropene	0.4	ND	NS*	NS*	NS*	NS
Trichloroethene	5	98	NS*	NS*	NS*	NS
Trichlorofluoromethane	5	ND	NS*	NS*	NS*	NS
Vinyl chloride	2	ND	NS*	NS*	NS*	NS
Xylenes, Total	5	ND	NS*	NS*	NS*	NS

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1st QTR 3/31/18	2nd QTR 6/29/18	3rd QTR 9/27/18	4th QTR 12/27/18
Iron (EPA Method 6010B)	300	290	NS*	NS*	NS*	NS
Manganese (EPA Method 6010B)		4.9	NS*	NS*	NS*	NS
Nitrate as N (EPA Method 9056)	10,000	2,700	NS*	NS*	NS*	NS
Chemical Oxygen Demand (EPA Method 410.4)	NS	ND	NS*	NS*	NS*	NS
Total Organic Carbon (EPA Method 9060A)	NS	1,100	NS*	NS*	NS*	NS

All values reported as ug/L

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J-Includes an estimated value

(*) No sample collected because well is too dry

Pre-ISCO data collected

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GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC)
Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-05		2018 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre- ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	NS*	NS*	NS*	NS
1,1,2,2-Tetrachloroethane	5	ND	NS *	NS*	NS*	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS*	NS*	NS
1,1,2-TrichloroethaneD	1	ND	NS*	NS*	NS*	NS
1,1-DichloroethaneND	5	ND	NS*	NS*	NS*	NS
1,1-DichloroetheneND	5	ND	NS*	NS*	NS*	NS
1,2, 4-TrichlorobenzenNDe	5	ND	NS*	NS*	NS*	NS
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS*	NS*	NS
1,2-Dibromoethane		ND	NS*	NS*	NS*	NS
1,2-Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
1,2-Dichloroethane	0.06	ND	NS*	NS*	NS*	NS
1,2 -Dichloropropane	1	ND	NS*	NS*	NS*	NS
1,3 Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
1,4-Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
2-Butanone (MEK))	50	ND	NS*	NS*	NS*	NS
2-Hexanone		ND	NS*	NS*	NS*	NS
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS*	NS*	NS
Acetone	50	ND	NS*	NS*	NS*	NS
Benzene	1	ND	NS*	NS*	NS*	NS
Bromodichloromethane	50	ND	NS*	NS*	NS*	NS
Bromoform	50	ND	NS*	NS*	NS*	NS
Bromomethane	5	ND	NS*	NS*	NS*	NS
Carbon disulfide		ND	NS*	NS*	NS*	NS
Carbon tetrachloride	5	ND	NS*	NS*	NS*	NS
Chlorobenzene	5	ND	NS*	NS*	NS*	NS
Chloroethane	5	ND	NS*	NS*	NS*	NS
Chloroform	7	ND	NS*	NS*	NS*	NS
Chloromethane		ND	NS*	NS*	NS*	NS
cis-1,2-Dichloroethene	5	1.5	NS*	NS*	NS*	NS
cis-1,3-Dichloropropene	0.4	ND	NS*	NS*	NS*	NS
Cyclohexane		ND	NS*	NS*	NS*	NS
Dibromochloromethane		ND	NS*	NS*	NS*	NS
Dichlorodifluoromethane	5	ND	NS*	NS*	NS*	NS
Ethylbenzene	5	ND	NS*	NS*	NS*	NS
Isopropylbenzene	5	ND	NS*	NS*	NS*	NS
Methyl acetate		ND	NS*	NS*	NS*	NS

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10	ND	NS*	NS*	NS*	NS
Methylcyclohexane		ND	NS*	NS*	NS*	NS
Methylene chloride	5	ND	NS*	NS*	NS*	NS
Styrene	5	ND	NS*	NS*	NS*	NS
Tetrachloroethene	5	ND	NS*	NS*	NS*	NS
Toluene	5	ND	NS*	NS*	NS*	NS
trans-1,2-Dichloroethene	5	ND	NS*	NS*	NS*	NS
Trans-1,3-Dichloropropene	0.4	ND	NS*	NS*	NS*	NS
Trichloroethene	5	220	NS*	NS*	NS*	NS
Trichlorofluoromethane	5	ND	NS*	NS*	NS*	NS
Vinyl chloride	2	ND	NS*	NS*	NS*	NS
Xylenes, Total	5	ND	NS*	NS*	NS*	NS

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	2,7800	NS*	NS*	NS*	NS
Manganese (EPA Method 6010B)		193	NS*	NS*	NS*	NS
Nitrate as N (EPA Method 9056)	10,000	ND	NS*	NS*	NS*	NS
Chemical Oxygen Demand (EPA Method 410.4)	NS	22,000	NS*	NS*	NS*	NS
Total Organic Carbon (EPA Method 9060A)	NS	1,600	NS*	NS*	NS*	NS

All values reported as ug/L

ND-Analyzed for but NOT DETECTED

B – Compound was found in the blank and sample

J-Includes an estimated value

(*) No sample collected because well is too dry

Pre-ISCO data collected

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GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC)
Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-10		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	NS	ND	NS
1,1,2,2-Tetrachloroethane	5	ND	ND	NS	ND	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND	NS	ND	NS
1,1,2-Trichloroethane	1	180	ND	NS	ND	NS
1,1-Dichloroethane	5	ND	ND	NS	ND	NS
1,1-Dichloroethene	5	35	ND	NS	ND	NS
1,2, 4-Trichlorobenzene	5	ND	ND	NS	ND	NS
1,2-Dibromo-3-Chloropropane	0.04		ND	NS	ND	NS
1,2-Dibromoethane			ND	NS	ND	NS
1,2-Dichlorobenzene	3		ND	NS	ND	NS
1,2-Dichloroethane	0.06	ND	ND	NS	ND	NS
1,2 -Dichloropropane	1		ND	NS	ND	NS
1,3 Dichlorobenzene	3		ND	NS	ND	NS
1,4-Dichlorobenzene	3		ND	NS	ND	NS
2-Butanone (MEK))	50	1.4 J	ND	NS	ND	NS
2-Hexanone			ND	NS	ND	NS
4-Methyl-2-pentanone (MIBK)			ND	NS	ND	NS
Acetone	50	6.3 J	ND	NS	ND	NS
Benzene	1		ND	NS	ND	NS
Bromodichloromethane	50	ND	ND	NS	ND	NS
Bromoform	50	ND	ND	NS	ND	NS
Bromomethane	5		ND	NS	ND	NS
Carbon disulfide			ND	NS	ND	NS
Carbon tetrachloride	5	ND	ND	NS	ND	NS
Chlorobenzene	5		ND	NS	ND	NS
Chloroethane	5		ND	NS	ND	NS
Chloroform	7	ND	ND	NS	ND	NS
Chloromethane			ND	NS	ND	NS
cis-1,2-Dichloroethene	5	35	3.5	NS	2.6	NS
cis-1,3-Dichloropropene	0.4	ND	ND	NS	ND	NS
Cyclohexane			ND	NS	ND	NS
Dibromochloromethane			ND	NS	ND	NS
Dichlorodifluoromethane	5	ND	ND	NS	ND	NS
Ethylbenzene	5	ND	ND	NS	ND	NS
Isopropylbenzene	5		ND	NS	ND	NS
Methyl acetate			ND	NS	ND	NS

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10		ND	NS	ND	NS
Methylcyclohexane			ND	NS	ND	NS
Methylene chloride	5	1.4	ND	NS	ND	NS
Styrene	5	ND	ND	NS	ND	NS
Tetrachloroethene	5	ND	1.4	NS	ND	NS
Toluene	5	ND	ND	NS	ND	NS
trans-1,2-Dichloroethene	5	ND	ND	NS	ND	NS
Trans-1,3-Dichloropropene	0.4	ND	ND	NS	ND	NS
Trichloroethene	5	160	78	NS	33	NS
Trichlorofluoromethane	5		ND	NS	ND	NS
Vinyl chloride	2	ND	ND	NS	ND	NS
Xylenes, Total	5	ND	ND	NS	ND	NS

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	3630	8,400	NS	46,900	NS
Manganese (EPA Method 6010B)			240	NS	480	NS
Nitrate as N (EPA Method 9056)	10,000	3,000	2,500	NS	3,200	NS
Chemical Oxygen Demand (EPA Method 410.4)	NS	8,100J	ND	NS	ND	NS
Total Organic Carbon (EPA Method 9060A)	NS	1,800	2,200	NS	1,200 B	NS

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Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-11		2018 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre- ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	NS*	NS	NS	NS
1,1,2,2-Tetrachloroethane	5	ND	NS *	NS	NS	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS	NS	NS
1,1,2-TrichloroethaneD	1	ND	NS*	NS	NS	NS
1,1-DichloroethaneND	5	ND	NS*	NS	NS	NS
1,1-DichloroetheneND	5	ND	NS*	NS	NS	NS
1,2, 4-TrichlorobenzenNDe	5	ND	NS*	NS	NS	NS
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS	NS	NS
1,2-Dibromoethane		ND	NS*	NS	NS	NS
1,2-Dichlorobenzene	3	ND	NS*	NS	NS	NS
1,2-Dichloroethane	0.06	ND	NS*	NS	NS	NS
1,2 -Dichloropropane	1	ND	NS*	NS	NS	NS
1,3 Dichlorobenzene	3	ND	NS*	NS	NS	NS
1,4-Dichlorobenzene	3	ND	NS*	NS	NS	NS
2-Butanone (MEK))	50	ND	NS*	NS	NS	NS
2-Hexanone		ND	NS*	NS	NS	NS
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS	NS	NS
Acetone	50	ND	NS*	NS	NS	NS
Benzene	1	ND	NS*	NS	NS	NS
Bromodichloromethane	50	ND	NS*	NS	NS	NS
Bromoform	50	ND	NS*	NS	NS	NS
Bromomethane	5	ND	NS*	NS	NS	NS
Carbon disulfide		ND	NS*	NS	NS	NS
Carbon tetrachloride	5	ND	NS*	NS	NS	NS
Chlorobenzene	5	ND	NS*	NS	NS	NS
Chloroethane	5	ND	NS*	NS	NS	NS
Chloroform	7	ND	NS*	NS	NS	NS
Chloromethane		ND	NS*	NS	NS	NS
cis-1,2-Dichloroethene	5	1.5	NS*	NS	NS	NS
cis-1,3-Dichloropropene	0.4	ND	NS*	NS	NS	NS
Cyclohexane		ND	NS*	NS	NS	NS
Dibromochloromethane		ND	NS*	NS	NS	NS
Dichlorodifluoromethane	5	ND	NS*	NS	NS	NS
Ethylbenzene	5	ND	NS*	NS	NS	NS
Isopropylbenzene	5	ND	NS*	NS	NS	NS
Methyl acetate		ND	NS*	NS	NS	NS

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10	ND	NS*	NS	NS	NS
Methylcyclohexane		ND	NS*	NS	NS	NS
Methylene chloride	5	ND	NS*	NS	NS	NS
Styrene	5	ND	NS*	NS	NS	NS
Tetrachloroethene	5	ND	NS*	NS	NS	NS
Toluene	5	ND	NS*	NS	NS	NS
trans-1,2-Dichloroethene	5	ND	NS*	NS	NS	NS
Trans-1,3-Dichloropropene	0.4	ND	NS*	NS	NS	NS
Trichloroethene	5	220	NS*	NS	NS	NS
Trichlorofluoromethane	5	ND	NS*	NS	NS	NS
Vinyl chloride	2	ND	NS*	NS	NS	NS
Xylenes, Total	5	ND	NS*	NS	NS	NS

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1st QTR 3/31/18	2nd QTR 6/29/18	3rd QTR 9/27/18	4th QTR 12/27/18
Iron (EPA Method 6010B)	300	2,7800	NS*	NS	NS	NS
Manganese (EPA Method 6010B)		193	NS*	NS	NS	NS
Nitrate as N (EPA Method 9056)	10,000	ND	NS*	NS	NS	NS
Chemical Oxygen Demand (EPA Method 410.4)	NS	22,000	NS*	NS	NS	NS
Total Organic Carbon (EPA Method 9060A)	NS	1,600	NS*	NS	NS	NS

All values reported as ug/L

ND-Analyzed for but NOT DETECTED

B – Compound was found in the blank and sample

J-Includes an estimated value

(*) No sample collected because well is too dry

Pre-ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC)
Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-21		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5		ND	NS	ND	NS
1,1,2,2-Tetrachloroethane	5		ND	NS	ND	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	NS	ND	NS
1,1,2-Trichloroethane	1		ND	NS	ND	NS
1,1-Dichloroethane	5		ND	NS	ND	NS
1,1-Dichloroethene	5		ND	NS	ND	NS
1,2, 4-Trichlorobenzene	5		ND	NS	ND	NS
1,2-Dibromo-3-Chloropropane	0.04		ND	NS	ND	NS
1,2-Dibromoethane			ND	NS	ND	NS
1,2-Dichlorobenzene	3		ND	NS	ND	NS
1,2-Dichloroethane	0.06		ND	NS	ND	NS
1,2 -Dichloropropane	1		ND	NS	ND	NS
1,3 Dichlorobenzene	3		ND	NS	ND	NS
1,4-Dichlorobenzene	3		ND	NS	ND	NS
2-Butanone (MEK))	50		ND	NS	ND	NS
2-Hexanone			ND	NS	ND	NS
4-Methyl-2-pentanone (MIBK)			ND	NS	ND	NS
Acetone	50		ND	NS	ND	NS
Benzene	1		ND	NS	ND	NS
Bromodichloromethane	50		ND	NS	ND	NS
Bromoform	50		ND	NS	ND	NS
Bromomethane	5		ND	NS	ND	NS
Carbon disulfide			ND	NS	ND	NS
Carbon tetrachloride	5		ND	NS	ND	NS
Chlorobenzene	5		ND	NS	ND	NS
Chloroethane	5		ND	NS	ND	NS
Chloroform	7		ND	NS	ND	NS
Chloromethane			ND	NS	ND	NS
cis-1,2-Dichloroethene	5		ND	NS	ND	NS
cis-1,3-Dichloropropene	0.4		ND	NS	ND	NS
Cyclohexane			ND	NS	ND	NS
Dibromochloromethane			ND	NS	ND	NS
Dichlorodifluoromethane	5		ND	NS	ND	NS
Ethylbenzene	5		ND	NS	ND	NS
Isopropylbenzene	5		ND	NS	ND	NS
Methyl acetate			ND	NS	ND	NS

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10		ND	NS	ND	NS
Methylcyclohexane			ND	NS	ND	NS
Methylene chloride	5		ND	NS	ND	NS
Styrene	5		ND	NS	ND	NS
Tetrachloroethene	5		1.2	NS	11	NS
Toluene	5		ND	NS	ND	NS
trans-1,2-Dichloroethene	5		ND	NS	ND	NS
Trans-1,3-Dichloropropene	0.4		ND	NS	ND	NS
Trichloroethene	5		ND	NS	1.8	NS
Trichlorofluoromethane	5		ND	NS	ND	NS
Vinyl chloride	2		ND	NS	ND	NS
Xylenes, Total	5		ND	NS	ND	NS

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1st QTR 3/31/18	2nd QTR 6/29/18	3rd QTR 9/27/18	4th QTR 12/27/18
Iron (EPA Method 6010B)	300		1,300	NS	1,200	NS
Manganese (EPA Method 6010B)			720	NS	740	NS
Nitrate as N (EPA Method 9056)	10,000		130,000	NS	69,500	NS
Chemical Oxygen Demand (EPA Method 410.4)	NS		ND	NS	17,900	NS
Total Organic Carbon (EPA Method 9060A)	NS		8,800	NS	6,800 B	NS

All values reported as ug/L

ND-Analyzed for but NOT DETECTED

B – Compound was found in the blank and sample

J-Includes an estimated value

(*) No sample collected because well is too dry

Pre-ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC)
Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OB09-36		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	NS	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	NS	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	NS	ND	ND
1,1,2-Trichloroethane	1	ND	ND	NS	ND	ND
1,1-Dichloroethane	5	ND	ND	NS	ND	ND
1,1-Dichloroethene	5	ND	ND	NS	ND	ND
1,2, 4-Trichlorobenzene	5		ND	NS	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	NS	ND	ND
1,2-Dibromoethane			ND	NS	ND	ND
1,2-Dichlorobenzene	3		ND	NS	ND	ND
1,2-Dichloroethane	0.6	ND	ND	NS	ND	ND
1,2 -Dichloropropane	1	ND	ND	NS	ND	ND
1,3-Dichlorobenzene	3		ND	NS	ND	ND
1,4-Dichlorobenzene	3		ND	NS	ND	ND
2-Butanone (MEK))	50	ND	ND	NS	ND	ND
2-Hexanone			ND	NS	ND	ND
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	NS	ND	ND
Acetone	50	ND	ND	NS	ND	ND
Benzene	1	ND	ND	NS	ND	ND
Bromodichloromethane	50	ND	ND	NS	ND	ND
Bromoform	50	ND	ND	NS	ND	ND
Bromomethane	5	ND	ND	NS	ND	ND
Carbon disulfide			ND	NS	ND	ND
Carbon tetrachloride	5	ND	ND	NS	ND	ND
Chlorobenzene	5	ND	ND	NS	ND	ND
Chloroethane	5	ND	ND	NS	ND	ND
Chloroform	7	ND	ND	NS	ND	ND
Chloromethane		ND	ND	NS	ND	ND
cis-1,2-Dichloroethene	5	12	ND	NS	ND	ND
cis-1,3-Dichloropropene	0.4	ND	.94 J	NS	ND	ND
Cyclohexane			ND	NS	ND	ND
Dibromochloromethane			ND	NS	ND	ND
Dichlorodifluoromethane	5		ND	NS	ND	ND
Ethylbenzene	5	ND	ND	NS	ND	ND
Isopropylbenzene	5		ND	NS	ND	ND
Methyl acetate			ND	NS	ND	ND
Methyl tert-butyl ether	10		ND	NS	ND	ND

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methylcyclohexane			ND	NS	ND	ND
Methylene chloride	5	3.2 J	ND	NS	ND	ND
Styrene	5	ND	ND	NS	ND	ND
Tetrachloroethene	5	ND	ND	NS	ND	ND
Toluene	5	ND	ND	NS	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	NS	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	NS	ND	ND
Trichloroethene	5	149	19	NS	15	17
Trichlorofluoromethane	5		ND	NS	ND	ND
Vinyl chloride	2	ND	ND	NS	ND	ND
Xylenes, Total	5	ND	ND	NS	ND	ND

Other Analytes	GW Std (ug/L)	Pre- ISCO	1st QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	1,610	1,200	NS	2,000	3,700
Manganese (EPA Method 6010B)			30	NS	180	170
Nitrate as N (EPA Method 9056)	10,000	440	3,000	NS	4,000	3,500
Chemical Oxygen Demand (EPA Method 410.4)	NS	5,800	9,900 J	NS	ND	87,000 B
Total Organic Carbon (EPA Method 9060A)	NS	ND	1,100	NS	1,100 B	1,600

All values reported as ug/L

ND – Analyzed for but NOT DETECTED

B- Compound was found in the blank and sample

J – Includes an estimated value

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OB09-38		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	NS	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	NS	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND	NS	ND	ND
1,1,2-Trichloroethane	1	ND	ND	NS	ND	ND
1,1-Dichloroethane	5	ND	ND	NS	ND	.50 J
1,1-Dichloroethene	5	ND	ND	NS	ND	.95 J
1,2, 4-Trichlorobenzene	5		ND	NS	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	NS	ND	ND
1,2-Dibromoethane			ND	NS	ND	ND
1,2-Dichlorobenzene	3		ND	NS	ND	ND
1,2-Dichloroethane	0.6	ND	ND	NS	ND	ND
1,2 -Dichloropropane	1	ND	ND	NS	ND	ND
1,3-Dichlorobenzene	3		ND	NS	ND	ND
1,4-Dichlorobenzene	3		ND	NS	ND	ND
2-Butanone (MEK))	50		ND	NS	ND	ND
2-Hexanone			ND	NS	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	NS	ND	ND
Acetone	50	ND	ND	NS	ND	ND
Benzene	1	ND	ND	NS	ND	ND
Bromodichloromethane	50	ND	ND	NS	ND	ND
Bromoform	50	ND	ND	NS	ND	ND
Bromomethane	5	ND	ND	NS	ND	ND
Carbon disulfide			ND	NS	ND	ND
Carbon tetrachloride	5	ND	ND	NS	ND	ND
Chlorobenzene	5	ND	ND	NS	ND	ND
Chloroethane	5	ND	ND	NS	ND	ND
Chloroform	7	ND	ND	NS	ND	ND
Chloromethane			ND	NS	ND	ND
cis-1,2-Dichloroethene	5	8	8.2	NS	9.8	97
Cis-1,3-Dichloropropene	0.4	ND	ND	NS	ND	ND
Cyclohexane			ND	NS	ND	ND
Dibromochloromethane			ND	NS	ND	ND
Dichlorodifluoromethane	5		ND	NS	ND	ND
Ethylbenzene	5	ND	ND	NS	ND	ND
Isopropylbenzene	5		ND	NS	ND	ND
Methyl acetate			ND	NS	ND	ND
Methyl tert-butyl ether	10		ND	NS	ND	ND

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methylcyclohexane			ND	NS	ND	ND
Methylene chloride	5	ND	ND	NS	ND	ND
Styrene	5	ND	ND	NS	ND	ND
Tetrachloroethene	5	ND	ND	NS	ND	ND
Toluene	5	ND	ND	NS	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	NS	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	NS	ND	ND
Trichloroethene	5	49	9.7	NS	13	110
Trichlorofluoromethane	5		ND	NS	ND	ND
Vinyl chloride	2	ND	ND	NS	ND	1.0
Xylenes, Total	5	ND	ND	NS	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	38,700	4,100	NS	22,700	8,300
Manganese (EPA Method 6010B)			350	NS	2,100	450
Nitrate as N (EPA Method 9056)	10,000	94	150	NS	250	230
Chemical Oxygen Demand (EPA Method 410.4)		3,900	5,600 J	NS	ND	63,600
Total Organic Carbon (EPA Method 9060A)	NS	ND	770 J	NS	850 JB	1,400

All values reported as ug/L

ND – Analyzed for but NOT DETECTED

B – Compound was found in the blank and sample

J – Includes an estimated value

F1-MS and/or MSD Recovery exceeds the control limits

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW1-1		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND
1,2, 4-Trichlorobenzene	5		ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	ND
1,2-Dibromoethane			ND	ND	ND	ND
1,2-Dichlorobenzene	3		ND	ND	ND	ND
1,2-Dichloroethane	0.06	ND	ND	ND	ND	ND
1,2 -Dichloropropane	1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3		ND	ND	ND	ND
1,4-Dichlorobenzene	3		ND	ND	ND	ND
2-Butanone (MEK))	50	ND	ND	ND	ND	ND
2-Hexanone			ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	470	37	660	630	10
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Cyclohexane			ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND
Isopropylbenzene	5		ND	ND	ND	ND
Methyl acetate			ND	ND	ND	ND

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10		ND	ND	ND	ND
Methylcyclohexane			ND	ND	ND	ND
Methylene chloride	5	<i>170 J</i>	ND	ND	22 J	ND
Styrene	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	34	13	4.0 J	ND	2.0 J
Toluene	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4		ND	ND	ND	ND
Trichloroethene	5	2700	590	1,600	2,800	150
Trichlorofluoromethane	5		ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	751	24,600 ^	4,400	210	3,600
Manganese (EPA Method 6010B)			1,900 ^	1,200 B	62	370
Nitrate as N (EPA Method 9056)	10,000	1,900	12,700	2,400	5,500	6,500
Chemical Oxygen Demand (EPA Method 410.4)	NS	5,600J	ND	29,200	19,100	48,600 J B
Total Organic Carbon (EPA Method)	NS	ND	1,300 B	1,200 B	1,300 B	1,800

All values reported as ug/L

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J – Includes an estimated value

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

^- ICV, CCV, ICB, CCB, ISA, ISH, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW1-2		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	ND	WD	WD
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	WD	WD
1,1,2-Trichloro-1,2,2-trifluoroethane	5		ND	ND	WD	WD
1,1,2-Trichloroethane	1	ND	ND	ND	WD	WD
1,1-Dichloroethane	5	ND	ND	ND	WD	WD
1,1-Dichloroethene	5	ND	ND	ND	WD	WD
1,2, 4-Trichlorobenzene	5		ND	ND	WD	WD
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	WD	WD
1,2-Dibromoethane			ND	ND	WD	WD
1,2-Dichlorobenzene	3		ND	ND	WD	WD
1,2-Dichloroethane	0.06	ND	ND	ND	WD	WD
1,2 -Dichloropropane	1	ND	ND	ND	WD	WD
1,3-Dichlorobenzene	3		ND	ND	WD	WD
1,4-Dichlorobenzene	3		ND	ND	WD	WD
2-Butanone (MEK)	50	ND	ND	ND	WD	WD
2-Hexanone			ND	ND	WD	WD
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	WD	WD
Acetone	50	ND	ND	ND	WD	WD
Benzene	1	ND	ND	ND	WD	WD
Bromodichloromethane	50	ND	ND	ND	WD	WD
Bromoform	50	ND	ND	ND	WD	WD
Bromomethane	5	ND	ND	ND	WD	WD
Carbon disulfide			ND	ND	WD	WD
Carbon tetrachloride	5	ND	ND	ND	WD	WD
Chlorobenzene	5	ND	ND	ND	WD	WD
Chloroethane	5	ND	ND	ND	WD	WD
Chloroform	7		ND	ND	WD	WD
Chloromethane		ND	ND	ND	WD	WD
cis-1,2-Dichloroethene	5	4,800	3,100	4,700	WD	WD
cis-1,3-Dichloropropene	0.4	ND	ND	ND	WD	WD
Cyclohexane			ND	ND	WD	WD
Dibromochloromethane			ND	ND	WD	WD
Dichlorodifluoromethane	5		ND	ND	WD	WD
Ethylbenzene	5	ND	ND	ND	WD	WD
Isopropylbenzene	5		ND	ND	WD	WD
Methyl acetate			ND	ND	WD	WD
Methyl tert-butyl ether	10		ND	ND	WD	WD
Methylcyclohexane			ND	ND	WD	WD

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	1,300 J	ND	ND	WD	WD
Styrene	5	ND	ND	ND	WD	WD
Tetrachloroethene	5	440 J	230 J	280 J	WD	WD
Toluene	5	ND	ND	ND	WD	WD
trans-1,2-Dichloroethene	5	ND	ND	ND	WD	WD
Trans-1,3-Dichloropropene	0.4	ND	ND	ND	WD	WD
Trichloroethene	5	49,000	17,000 F1	39,000	WD	WD
Trichlorofluoromethane	5		ND	ND	WD	WD
Vinyl chloride	2	ND	ND	ND	WD	WD
Xylenes, Total	5	ND	ND	ND	WD	WD

Analyte: SVOC EPA Method: 8270C	GW Std (ug/l)	Pre-ISCO	1 st QTR 3/28/17	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
2,4,5-Trichlorophenol			ND	ND	WD	WD
2,4,6-Trichlorophenol		ND	ND	ND	WD	WD
2,4-Dichlorophenol	5	ND	ND	ND	WD	WD
2,4-Dimethylphenol	10	ND	ND	ND	WD	WD
2,4-Dinitrotoluene	5	ND	ND	ND	WD	WD
2,6-Dinitrotoluene	5	ND	ND	ND	WD	WD
2-Chloronaphthalene	10	ND	ND	ND	WD	WD
2-Chlorophenol		ND	ND	ND	WD	WD
2-Methylnaphthalene			ND	ND	WD	WD
2-Methylphenol			ND	ND	WD	WD
2-Nitrophenol		ND	ND	ND	WD	WD
3,3-Dichlorobenzidine	5	ND	ND	ND	WD	WD
3-Nitroaniline			ND	ND	WD	WD
4,6-Dinitro-2-methyphenol		ND	ND	ND	WD	WD
4-Bromophenyl phenyl ether		ND	ND	ND	WD	WD
4-Chloro-3-methylphenol		ND	ND	ND	WD	WD
4-Chloroaniline			ND	ND	WD	WD
4-Chlorophenyl phenyl ether		ND	ND	ND	WD	WD
4-Methyphenol			ND	ND	WD	WD
4-Nitroaniline			ND	ND	WD	WD
4-Nitrophenol		ND	ND	ND	WD	WD
Acenaphthene	20	ND	ND	ND	WD	WD
Acenaphthylene		ND	ND	ND	WD	WD
Acetophenone			ND	ND	WD	WD
Anthracene	50	460 J	ND	ND	WD	WD
Atrazine			ND	ND	WD	WD
Benzaldehyde			ND	ND	WD	WD
Benzo(a)anthracene	0.00	2,200	ND	ND	WD	WD
Benzo(a)pyrene		2,100	ND	ND	WD	WD
Benzo(b)fluoranthene	0.002	3,300	ND	ND	WD	WD
Benzo(g,h)perylene		3,000	ND	ND	WD	WD
Benzo(k)fluoranthene	0.002	1,300	ND	ND	WD	WD

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Biphenyl			ND	ND	WD	WD
Bis-(2-chloroisopropyl) ether		ND	ND	ND	WD	WD
Bis(2-chloroethoxy) methane	5	ND	ND	ND	WD	WD
Bis(2-chloroethyl) ether		ND	ND	ND	WD	WD
Bis(2-ethylhexyl) phthalate	5	1,300	ND	ND	WD	WD
Butyl benzyl phthalate		ND	ND	ND	WD	WD
Carprolactam			ND	ND	WD	WD
Carbazole			ND	ND	WD	WD
Chrysene	0.002	2,300	ND	ND	WD	WD
Dibenz(a,h)anthracene		760	ND	ND	WD	WD
Dibenzofuran			ND	ND	WD	WD
Diethyl phthalate	50	ND	ND	ND	WD	WD
Dimethyl phthalate	50	ND	ND	ND	WD	WD
Di-n-butyl phthalate	50	ND	ND	ND	WD	WD
Di-n-octyl phthalate	50	ND	ND	ND	WD	WD
Fluoranthene	50	4,100	ND	ND	WD	WD
Fluorene	50	410 J	ND	ND	WD	WD
Hexachlorobenzene	0.04	ND	ND	ND	WD	WD
Hexachlorobutadiene	0.5	ND	ND	ND	WD	WD
Hexachlorocyclopentadiene	5	ND	ND	ND	WD	WD
Hexachloroethane	5	ND	ND	ND	WD	WD
Indeno(1,2,3-cd)pyrene	0.002	3,400	ND	ND	WD	WD
Isophorone	50	ND	ND	ND	WD	WD
Naphthalene	10	ND	ND	ND	WD	WD
Nitrobenzene	0.4	ND	ND	ND	WD	WD
N-Nitrosodi-n-propylamine		ND	ND	ND	WD	WD
N-Nitrosodiphenylamine	50	ND	ND	ND	WD	WD
Pentachlorophenol	1	ND	ND	ND	WD	WD
Phenanthrene	50	450	ND	ND	WD	WD
Phenol	1	ND	ND	ND	WD	WD
Pyrene	50	3,600	ND	ND	WD	WD

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	1,060	41 J^	56	WD	WD
Manganese (Method 6010B)			1,000 ^	3,000 B	WD	WD
Nitrate as N (EPA Method 9056)	10,000	7,400	2,200	2,400	WD	WD
Chemical Oxygen Demand (EPA Method 410.4)		23,000	ND	17,600	WD	WD
Total Organic Carbon (EPA Method 9060A)	10,000	ND	3,500 B	1,800 B	WD	WD

All values reported as ug/L

ND – Analyzed for but NOT DETECTED

B- Compound was found in the blank and sample

E- Result exceeded calibration range

F1- MS and /MS recovery is outside acceptance limits

F2- MS/MSD RPD exceeds control limits

J- Includes an estimated value

(-) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

^– ICV, CCV, ICB, CCB, ISA, ISH, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits

WD- Well Decommissioned

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW1-3		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	ND	WD	WD
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	WD	WD
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	WD	WD
1,1,2-Trichloroethane	1	ND	ND	ND	WD	WD
1,1-Dichloroethane	5		ND	ND	WD	WD
1,1-Dichloroethene	5	ND	ND	ND	WD	WD
1,2, 4-Trichlorobenzene	5		ND	ND	WD	WD
1,2-Dibromo-3-Chloropropane	0.04	ND	ND	ND	WD	WD
1,2-Dibromoethane			ND	ND	WD	WD
1,2-Dichlorobenzene	3		ND	ND	WD	WD
1,2-Dichloroethane	0.06	ND	ND	ND	WD	WD
1,2 -Dichloropropane	1	ND	ND	ND	WD	WD
1,3-Dichlorobenzene	3		ND	ND	WD	WD
1,4-Dichlorobenzene	3		ND	ND	WD	WD
2-Butanone (MEK))	50	ND	ND	ND	WD	WD
2-Hexanone			ND	ND	WD	WD
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	WD	WD
Acetone	50	ND	ND	ND	WD	WD
Benzene	1	ND	ND	ND	WD	WD
Bromodichloromethane	50	ND	ND	ND	WD	WD
Bromoform	50	ND	ND	ND	WD	WD
Bromomethane	5	ND	ND	ND	WD	WD
Carbon disulfide			ND	ND	WD	WD
Carbon tetrachloride	5	ND	ND	ND	WD	WD
Chlorobenzene	5	ND	ND	ND	WD	WD
Chloroethane	5	ND	ND	ND	WD	WD
Chloroform	7	ND	ND	ND	WD	WD
Chloromethane		ND	ND	ND	WD	WD
cis-1,2-Dichloroethene	5	190 J	700	530	WD	WD
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	WD	WD
Cyclohexane			ND	ND	WD	WD
Dibromochloromethane			ND	ND	WD	WD
Dichlorodifluoromethane	5		ND	ND	WD	WD
Ethylbenzene	5	ND	ND	ND	WD	WD
Isopropylbenzene	5		ND	ND	WD	WD
Methyl acetate			ND	ND	WD	WD
Methyl tert-butyl ether	10		ND	ND	WD	WD
Methylcyclohexane			ND	ND	WD	WD

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	<i>190J</i>	ND	ND	WD	WD
Styrene	5	ND	ND	ND	WD	WD
Tetrachloroethene	5	ND	ND	ND	WD	WD
Toluene	5	ND	ND	ND	WD	WD
trans-1,2-Dichloroethene	5	ND	ND	ND	WD	WD
trans-1,3-Dichloropropene	0.4	ND	ND	ND	WD	WD
Trichloroethene	5	<i>2,700</i>	<i>9,400</i>	<i>13,000</i>	WD	WD
Trichlorofluoromethane	5		ND	ND	WD	WD
Vinyl chloride	2	ND	ND	ND	WD	WD
Xylenes, Total	5	ND	ND	ND	WD	WD

Other Analytes	GW Std (ug/L)	<i>Pre- ISCO</i>	1st QTR 3/31/18	2nd QTR 3/29/18	3rd QTR 9/27/18	4th QTR 12/27/18
Iron (EPA Method 6010B)	300	227 J	390	430	WD	WD
Manganese (EPA Method 6010B)			380	520 B	WD	WD
Nitrate as N (EPA Method 9056)	10,000	780	2,100	3,600	WD	WD
Chemical Oxygen Demand (EPA Method 410.4)		3,700 J	5,600 J	34,500	WD	WD
Total Organic Carbon (EPA Method 9060A)	NS	ND	1,500 B	1,500 B	WD	WD

All values reported as ug/L

ND – Analyzed for but NOT DETECTED

B – Compound found in the blank and sample

F1- MS and/or MS Recovery exceeds the control limits

J – Includes an estimated value

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

WD- Well decommissioned

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW1-4		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	3.9 J	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	ND
1,1,2-Trichloroethane	1		ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND
1,2, 4-Trichlorobenzene	5		ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	ND
1,2-Dibromoethane			ND	ND	ND	ND
1,2-Dichlorobenzene	3		ND	ND	ND	ND
1,2-Dichloroethane	0.06	ND	ND	ND	ND	ND
1,2 -Dichloropropane	1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3		ND	ND	ND	ND
1,4-Dichlorobenzene	3		ND	ND	ND	ND
2-Butanone (MEK))	50	ND	ND	ND	ND	ND
2-Hexanone			ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	13 J	3.8 J	ND	57	9.6
cis-1,3-Dichloropropene	0.4		ND	ND	ND	ND
Cyclohexane			ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND
Isopropylbenzene	5		ND	ND	ND	ND
Methyl acetate			ND	ND	ND	ND

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10		ND	ND	ND	ND
Methylcyclohexane			ND	ND	ND	ND
Methylene chloride	5	<i>12 J</i>	1.9 J	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	2.6 J	ND	2.6 J
Toluene	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Trichloroethene	5	320	120	800	680	260
Trichlorofluoromethane	5		ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	209 J	440	430	1,800	4,000
Manganese (EPA Method 6010B)			19	52 B	79	480
Nitrate as N (EPA Method 9056)	10,000	3,000	2,100	3,600	2,100	3,700
Chemical Oxygen Demand (EPA Method 410.4)		ND	6,200 J	34,500	18,800 B	58,900 B
Total Organic Carbon (EPA Method 9060A)	NS	ND	990 J B	1,500 B	1,900 B	1,800

All values reported as ug/L

ND – Analyzed for but NOT DETECTED

B- Compound found in the blank and sample

F1- MS and/or MSD Recovery is outside acceptance limits

J – Includes an estimated value

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not sampled

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW2-2		2018 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	3.9 J	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND
1,2, 4-Trichlorobenzene	5	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04	ND	ND	ND	ND	ND
1,2-Dibromoethane		ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND
1,2 -Dichloropropane	1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND
2-Butanone (MEK))	50	ND	ND	ND	ND	ND
2-Hexanone		ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Carbon disulfide		ND	ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	140	2.2	2.6 J	4.6	1.8
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Cyclohexane		ND	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND
Methyl acetate		ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND
Methylcyclohexane		ND	ND	ND	ND	ND

Table 3 - Pass & Seymour 2018 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	20 JB	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Trichloroethene	5	1200	21	800	19	7.9
Trichlorofluoromethane	5	ND	ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/31/18	2 nd QTR 6/29/18	3 rd QTR 9/27/18	4 th QTR 12/27/18
Iron (EPA Method 6010B)	300	239,000	62	710	3,600	6,600
Manganese (EPA Method 6010B)		3,640	200	36 B	1,100	2,700
Nitrate as N (EPA Method 9056)	10,000	210	3,200	2,500	1,000	2,700
Chemical Oxygen Demand (EPA Method 410.4)		193,000	ND	35,900	ND	36,900 J B
Total Organic Carbon (EPA Method 9060A)		ND	1,500 B	1,700 B	1,600 B	2,200

All values reported as ug/L

ND – Analyzed for but NOT DETECTED

NS – Not Sampled

J – Includes an estimated value

E-Result Exceeded calibration range

F1- MS and/or MSD Recovery exceeds the control limits

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

FIELD OBSERVATIONS

Facility: Pass + Seymour Sample Point ID: B67-31

Field Personnel: TDC / RE Sample Matrix: Gw

SAMPLING INFORMATION: 12-26 1150

Date/Time: 12-27, 1000

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 28.00

Water Depth (from top of PVC): 6.37

Length of water Column: 10.71.63

Purge Volume: LWC x 0.17 x 3= 11.0313

Volume Purged 11 Gallons

Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1000	1.26	7.05	325	17.6	166	7.60

INSTRUMENT CHECK DATA:

Salinity 1.6 PPT

Turbidity 0.0 Serial #: _____
Turbidity 1.0 Serial #: _____
Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____
pH 7.0 Serial #: _____
pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial # _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Sunny 20's

COMMENTS AND OBSERVATIONS: _____

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 12/27/18 By: TDC / RE Company: TA

①

FIELD OBSERVATIONS

Facility: PASS + Seymour

Sample Point ID: OB 8509-36

Field Personnel: TDK / RE

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time

12-26-18 1400
12-27-18 1030

Method of Sampling:

Bailer

Dedicated:

YES

Diameter of Well

2"

Well Depth (from top of PVC)

34.00

Water Depth (from top of PVC)

13.54

Length of water Column

20.46

Purge Volume: LWC x 0.17 x 3=

10.4346

Volume Purged 10.5 gal

Methane Reading

NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>1030</u>	<u>6.05</u>	<u>7.55</u>	<u>497</u>	<u>55.7</u>	<u>162</u>	<u>5.46</u>

INSTRUMENT CHECK DATA:

Salinity 2.6

Turbidity 0.0 Serial #: _____
Turbidity 1.0 Serial #: _____
Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____
pH 7.0 Serial #: _____
pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial # _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling:

Sunny 20's

COMMENTS AND OBSERVATIONS:

* Collect Diss metals

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 12/27/18

By: TDK / RE

Company: TA

(2)

FIELD OBSERVATIONS

Facility: Pass + Seymour Sample Point ID: OW2-2

Field Personnel: TOL / RE Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 12-26-18 1445
12-27-18 1115

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"
Well Depth (from top of PVC): 33.00
Water Depth (from top of PVC): 1502
Length of water Column: 17.98
Purge Volume: LWC x 0.17 x 3 = 9.1698

Volume Purged 9.5 gallon

Methane Reading NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>1115</u>	<u>21.2</u>	<u>7.53</u>	<u>2680</u>	<u>61.6</u>	<u>143</u>	<u>10.37</u>

INSTRUMENT CHECK DATA:

Sunny 1.4

Turbidity 0.0 Serial #: _____
Turbidity 1.0 Serial #: _____
Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____
pH 7.0 Serial #: _____
pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial # _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: SUNNY 20's

COMMENTS AND OBSERVATIONS: * Collect DISS mells

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 12/27/18 By: TOL / RE Company: TA

FIELD OBSERVATIONS

Facility: Pass + Seymour Sample Point ID: IW2-1
 Field Personnel: TDK / RE Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 12-27-18 1115
 Method of Sampling: Bailer Dedicated: YES
 Diameter of Well: 4"
 Well Depth (from top of PVC): 35.80
 Water Depth (from top of PVC): 17.18
 Length of water Column: 18.62
 Purge Volume: LWC x 0.17 x 3 = 18.9924 Volume Purged: 19 gallons
 Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1115	2.13	7.51	4140	24	165	8.32

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____
 Turbidity 1.0 Serial #: _____
 Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____
 pH 7.0 Serial #: _____
 pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial #: _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Sunny 20's

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 12/27/18 By: TDK / RE Company: TA

(4)

FIELD OBSERVATIONS

Facility: Puss + Seymour

Sample Point ID: IW2-3

Field Personnel: TDK/RE/AP

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 12-27-18 1115

Method of Sampling: Bailer

Dedicated: YES

Diameter of Well: 4"

Well Depth (from top of PVC): 35.61

Water Depth (from top of PVC): 15.31

Length of water Column: 20.3

Purge Volume: LWC x 0.17 x 3 = 20.706

Volume Purged: 21 gallons

Methane Reading: 0.34x3
NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1115	1.86	7.42	2900	44.44	137	5.85

INSTRUMENT CHECK DATA:

Salinity 1.5

Turbidity 0.0 Serial #: _____
Turbidity 1.0 Serial #: _____
Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____
pH 7.0 Serial #: _____
pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm @ 25 C

ORP Serial #: _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Sunny 20°

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 12/27/18 By: TDK/RE Company: TA

(5)

FIELD OBSERVATIONS

Facility: Pass + Seymour Sample Point ID: OB09-38
 Field Personnel: TOU / RE Sample Matrix: bw

SAMPLING INFORMATION:

Date/Time: 12-26-18 1510
12-27-18/1 1140
 Method of Sampling: Bailer Dedicated: YES
 Diameter of Well: 2"
 Well Depth (from top of PVC): 32.20
 Water Depth (from top of PVC): 15.61
 Length of water Column: 16.59
 Purge Volume: LWC x 0.17 x 3 = 8.4609 Volume Purged: 8.5 gallons
 Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1140	1.64	7.53	3190	77*	165	4.02

INSTRUMENT CHECK DATA:

Salinity 1.2

Turbidity 0.0 Serial #: _____
 Turbidity 1.0 Serial #: _____
 Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____
 pH 7.0 Serial #: _____
 pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial #: _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Sunny 20°

COMMENTS AND OBSERVATIONS:

* Collect DISS metals.

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 12-27-18 By: TOU / RE Company: TA

(6)

FIELD OBSERVATIONS

Facility: Pass + Seymour Sample Point ID: BR10-47
 Field Personnel: TDK / RE Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 12-26-18 1330
12-27-18 1155
 Method of Sampling: Bailer Dedicated: YES
 Diameter of Well: 2"
 Well Depth (from top of PVC): 28.00
 Water Depth (from top of PVC): 11.94
 Length of water Column: 16.06
 Purge Volume: LWC x 0.17 x 3 = 8.1906 Volume Purged 8.25 gallons
 Methane Reading: N/A

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>1155</u>	<u>5.60</u>	<u>7.89</u>	<u>1902</u>	<u>70</u>	<u>156</u>	<u>6.81</u>

INSTRUMENT CHECK DATA:

Salinity 0.9

Turbidity 0.0 Serial #: _____
 Turbidity 1.0 Serial #: _____
 Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____
 pH 7.0 Serial #: _____
 pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial # _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Sunny 20's

COMMENTS AND OBSERVATIONS:

* collect DISS metal

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 12/27/18 By: TDK / RE Company: TA

7

FIELD OBSERVATIONS

Facility: Pass + Seymour Sample Point ID: BR10-46
 Field Personnel: TDC/RE Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 12-26-18 13:00
12-27-18 12:15
 Method of Sampling: Bailer Dedicated: YES
 Diameter of Well: 2"
 Well Depth (from top of PVC): 27.80
 Water Depth (from top of PVC): 11.83
 Length of water Column: 15.97
 Purge Volume: LWC x 0.17 x 3 = 8.1447 Volume Purged 5.5 Gallons
 Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
12:15	4.96	6.77	3421	42	172.8	5.28

INSTRUMENT CHECK DATA:

Salinity 1.9

Turbidity 0.0 Serial #: _____
 Turbidity 1.0 Serial #: _____
 Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____
 pH 7.0 Serial #: _____
 pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial # _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling:

Sunny 20's

COMMENTS AND OBSERVATIONS:

Bailed dry @ 5.5 gallons

and let sit overnight.

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 12/27/18 By: TDC/RE Company: TA

(8)

FIELD OBSERVATIONS

Facility: Pass + Seymour Sample Point ID: OW 1-1

Field Personnel: TDK / RE Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 12-26-18 1400
12-27-18 1245

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"
Well Depth (from top of PVC): 27.80
Water Depth (from top of PVC): 15.00
Length of water Column: 12.80
Purge Volume: LWC x 0.17 x 3 = 6.528

Volume Purged 3.5 gallons

Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>1245</u>	<u>4.64</u>	<u>6.91</u>	<u>2681</u>	<u>37</u>	<u>169.1</u>	<u>6.99</u>

INSTRUMENT CHECK DATA:

Salinity 2.0

Turbidity 0.0 Serial #: _____
Turbidity 1.0 Serial #: _____
Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____
pH 7.0 Serial #: _____
pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial #: _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Cloudy 20's

COMMENTS AND OBSERVATIONS: * Bailed dry @ 3.5 gallons.

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 12/27/18 By: TDK / RE Company: TA

9

FIELD OBSERVATIONS

Facility: Pass 3 - Seymour LF Sample Point ID: OW1-4
 Field Personnel: TDK/RE Sample Matrix: GW

SAMPLING INFORMATION: 12-26-18 1245 Purge
12-27-18 1250

Date/Time
 Method of Sampling: Bailer Dedicated: YES

Diameter of Well 2"
 Well Depth (from top of PVC) 28.00
 Water Depth (from top of PVC) 16.00
 Length of water Column 12.00
 Purge Volume: LWC x 0.17 x 3= 6.12 Volume Purged 3 gallons
 Methane Reading NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1250	7.19	7.18	920	38.4	137.1	4.86

INSTRUMENT CHECK DATA:

Salinity 0.8

Turbidity 0.0 Serial #: _____
 Turbidity 1.0 Serial #: _____
 Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____
 pH 7.0 Serial #: _____
 pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial # _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling:

Cloudy 20's

COMMENTS AND OBSERVATIONS:

Bailer dry @ 3 gallons

and let sit overnight

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 12/27/18 By: TDK/RE Company: TA

(10)

FIELD OBSERVATIONS

Facility: Pass & Seymour Sample Point ID: BR09-39
 Field Personnel: TDK/RF Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 12-26-18 1230
12-27-18 1300
 Method of Sampling: Bailer Dedicated: YES
 Diameter of Well: 2"
 Well Depth (from top of PVC): 32.00
 Water Depth (from top of PVC): 18.47
 Length of water Column: 13.53
 Purge Volume: $LWC \times 0.17 \times 3 =$ 6.9003 Volume Purged: 3 gallons
 Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1300	6.79	7.27	1201	18.5	118.7	6.18

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____
 Turbidity 1.0 Serial #: _____
 Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____
 pH 7.0 Serial #: _____
 pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial #: _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: cloudy 30's.

COMMENTS AND OBSERVATIONS: Bailed dry @ 3 gallons
and let sit overnight.

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 12-27-18 By: TDK/RF Company: TA

(11)

FIELD OBSERVATIONS

Facility: Pass + Seymour Sample Point ID: BR09-37

Field Personnel: TDC / RE Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time 12-26-18 1255
12-27-18 1310

Method of Sampling: Bailer Dedicated: YES

Diameter of Well 2"

Well Depth (from top of PVC) 24.50

Water Depth (from top of PVC) 17.22

Length of water Column 7.28

Purge Volume: LWC x 0.17 x 3= 3.7128 Volume Purged 3.75 gal/min

Methane Reading NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>1310</u>	<u>6.31</u>	<u>7.31</u>	<u>1889</u>	<u>37.0</u>	<u>146.2</u>	<u>7.54</u>

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____

Turbidity 1.0 Serial #: _____

Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____

pH 7.0 Serial #: _____

pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial # _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Cloudy 20's

COMMENTS AND OBSERVATIONS: _____

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 12/27/18 By: TDC / RE Company: TA

(12)