

February 4, 2020

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 third quarter 2019 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,
2. To evaluate the effect of soil removal in AOC-1 on groundwater quality, and
2. To measure chlorinated VOC levels in the western portion of the site.

There is one monitoring well remaining in the AOC-1 overburden: Well MW05-10. MW05-10 is sampled once per year, in the third quarter. The other wells have been too dry to sample and have been removed from the monitoring program.

There are six (6) observation wells in AOC -1 screened in the upper fifteen feet of bedrock : OW1-1, OW1-4, BR09-37 and BR09-39, BR10-46 and BR10-47. These wells are to be sampled in the first and third quarter to evaluate groundwater concentrations in this area of concern.

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. IW2-1 and IW2-3 are sampled in the first and third quarters while the remaining three wells are sampled once a year, in the third quarter.

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, once per year, in the third quarter.

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-

Monitoring was conducted in accordance with the Field Sampling Plan included in the approved SMP and an SMP amendment submitted in 2020. Sampling was completed on September 20, 2019. The Groundwater Field Sampling logs are included as Attachment A.

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:

MW05-25

Location and Identification of monitoring well 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

ND - Analyzed for but not detected above laboratory detection limits
NS - Not sampled as part of this sampling event

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

BR07-31	Pre-ISCO	Sep-19
PCE	ND	38
TCE	290	21
cis-DCE	12	8.7

MW05-21	Pre-ISCO	Sep-19
PCE	10	1.2
TCE	1.2	ND
cis-DCE	ND	ND

BR09-39	Pre-ISCO	Sep-19
PCE	ND	8.3
TCE	290	660 FI
cis-DCE	12	79

OW1-4	Pre-ISCO	Sep-19
TCE	320	680
cis-DCE	13	57

BR08-33	Pre-ISCO	Sep-19
CVOCs	NS	NS

BR08-34	Pre-ISCO	Sep-19
CVOCs	NS	NS

BR09-37	Pre-ISCO	Sep-19
PCE	19	75,000
TCE	78,000	75,000
cis-DCE	ND	6500

BR10-46	Pre-ISCO	Sep-19
PCE	ND	6.4
TCE	9500	4000
cis-DCE	560	480

BR10-47	Pre-ISCO	Sep-19
PCE	ND	ND
TCE	6500	240
cis-DCE	290	32

BR08-35	Pre-ISCO	Sep-19
CVOCs	NS	NS

OB09-36	Pre-ISCO	Sep-19
TCE	140	16
cis-DCE	12	ND

OW2-2	Pre-ISCO	Sep-19
TCE	1,200	2.2
cis-DCE	140	ND

IW2-3	Pre-ISCO	Sep-19
TCE	6,000	27
cis-DCE	370	2.2

IW2-1	Pre-ISCO	Sep-19
PCE	ND	ND
TCE	3,900	25
cis-DCE	210	12

OB09-38	Pre-ISCO	Sep-19
TCE	49	32
cis-DCE	8	24

MW05-10	Pre-ISCO	Sep-19
TCE	180	NS
cis-DCE	35	NS

BR07-32	Pre-ISCO	Sep-19
TCE	NS	NS

DW Stoner & Associates
LLC

Manlius, New York

DATE: 02/01/2020 JOB No:1232

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

Figure 1 - Analytical Results
for Chlorinated VOCs in Groundwater

SCALE IN FEET
27.5 0 55 110

SURVEY NOTE
BASED ON A FIGURE PREPARED BY SAN REDEVELOPMENT OF NORTH AMERICA DECEMBER 2011
THE BOUNDARY AND TOPOGRAPHIC MAPPING OF THIS SURVEY WAS PERFORMED BY
DAVID M. HARRIS, L.S. 47416, LAST REVISED BY HARRIS ON JUNE 21, 2004.
DATUM CORRECTIONS AND MONITORING WELL LOCATIONS BY BRYANT ASSOCIATES
P.C. AND AS SURVEYED ON NOVEMBER 8, 2005, and January 7, 2016.

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	3/21/19	Top of PVC	410.18	7.52	20.0	402.66	2.10
	6/20/19	Top of PVC	410.18	NS	20.0	NS	NS
	9/20/19	Top of PVC	410.18	9.73	20.0	400.45	1.74
		Top of PVC	410.18		20.0		
BR07-32	3/21/19	Top of PVC	426.82	NS	20	NS	NS
	6/20/19	Top of PVC	426.82	NS	20	NS	NS
	9/20/19	Top of PVC	426.82	NA	20	NA	NA
		Top of PVC	426.82		20		
BR08-33	3/21/19	Top of PVC	408.11	NS	42	NS	NS
	6/20/19	Top of PVC	408.11	NS	42	NS	NS
	9/20/19	Top of PVC	408.11	NA	42	NA	NA
		Top of PVC	408.11		42		
BR08-34	3/21/19	Top of PVC	408.96	NS	42	NS	NS
	6/20/19	Top of PVC	408.96	NS	42	NS	NS
	9/20/19	Top of PVC	408.96	11.44	42	397.52	5.36
		Top of PVC	408.96		42		
BR08-35	3/21/19	Top of PVC	408.35	NS	31	NS	NS
	6/20/19	Top of PVC	408.35	NS	31	NS	NS
	9/20/19	Top of PVC	408.35	NA	31	NA	NA
		Top of PVC	408.35		31		
BR09-37	3/21/19	Top of PVC	417.85	17.62	24.28	400.23	1.17
	6/20/19	Top of PVC	417.85	17.42	24.28	400.43	1.2
	9/20/19	Top of PVC	417.85	20.04	24.28	397.81	0.75
		Top of PVC	417.85		24.28		
BR09-39	3/21/19	Top of PVC	424.06	21.36	30.22	402.7	1.81
	6/20/19	Top of PVC	424.06	20.08	30.22	403.98	2.03
	9/20/19	Top of PVC	424.06	20.42	30.22	403.64	1.69
		Top of PVC	424.06		30.22		
BR10-46	3/21/19	Top of PVC	417.10	12.19	27	404.91	5.99
	6/20/19	Top of PVC	417.10	10.56	27	406.54	2.94
	9/20/19	Top of PVC	417.10	14.47	27	402.63	2.09
		Top of PVC	417.10		27		
BR10-47	3/21/19	Top of PVC	416.67	12.19	28	404.48	2.68
	6/20/19	Top of PVC	416.67	12.02	28	404.65	2.72
	9/2/19	Top of PVC	416.67	14.47	28	402.2	2.3
		Top of PVC	416.67		28		
IW2-1	3/21/19	Top of PVC	418.25	17.6	34.35	400.65	6.25
	6/20/19	Top of PVC	418.25	17.55	34.35	400.7	3.17
	9/20/19	Top of PVC	418.25	19.7	34.35	398.55	10.62

Table 1 Groundwater Elevations Pass and Seymour

		Top of PVC	418.25		34.35		
IW2-3	3/21/19	Top of PVC	416.62	15.56	34.60	401.06	6.55
	6/20/19	Top of PVC	416.62	15.44	34.60	401.18	3.42
	9/20/19	Top of PVC	416.62	18.0	34.6	398.62	1.16
		Top of PVC	416.62		34.6		
MW05-02	3/21/19	Top of PVC	408.83	WD	9.92	WD	WD
	6/20/19	Top of PVC	408.83	WD	9.92	WD	WD
	9/20/19	Top of PVC	408.83	WD	9.92	WD	WD
		Top of PVC	408.83	WD	9.92	WD	NS
MW05-03	3/21/19	Top of PVC	421.42	NS	13.05	NS	DRY
	6/20/19	Top of PVC	421.42	NS	13.05	NS	NS
	9/20/19	Top of PVC	421.42	NS	13.05	NS	NS
		Top of PVC	421.42	NS	13.05	NS	NS
MW05-04	3/21/19	Top of PVC	408.45	NS	10.70	NS	NS
	6/20/19	Top of PVC	408.45	NS	10.70	NS	NS
	9/20/19	Top of PVC	408.45	NS	10.7	NS	NS
		Top of PVC	408.45	NS	10.7	NS	NS
MW05-05	3/21/19	Top of PVC	427.82	NS	18.0	NS	NS
	6/20/19	Top of PVC	427.82	NS	18.0	NS	NS
	9/20/19	Top of PVC	427.82	NS	18.0	NS	NS
		Top of PVC	427.82	NS	18.0	NS	NS
MW05-10	3/21/19	Top of PVC	403.89	15.9	19.25	387.99	0.53
	6/20/19	Top of PVC	403.89	NS	19.25	NS	NS
	9/20/19	Top of PVC	403.89	NA	19.25	NA	NA
		Top of PVC	403.89		19.25		
MW05-11	3/21/19	Top of PVC	410.0	NS	14.31	NS	NS
	6/20/19	Top of PVC	410.0	NS	14.31	NS	NS
	9/20/19	Top of PVC	410.0	NS	14.31	NS	NS
		Top of PVC	410.0	NS	14.31	NS	NS
MW05-21	3/21/19	Top of PVC	411.46	4.42	11.7	407.04	1.3
	6/20/19	Top of PVC	411.46	NS	11.7	NS	NS
	9/20/19	Top of PVC	411.46	12.0	11.7	399.46	1.14
		Top of PVC	411.46		11.7		
OB09-36	3/21/19	Top of PVC	414.84	13.82	33.65	401.02	3.55
	06/20/19	Top of PVC	414.84	NS	33.65	NS	NS
	9/20/19	Top of PVC	414.84	16.02	33.65	398.82	3.17
		Top of PVC	414.84		33.65		
OB09-38	3/21/19	Top of PVC	416.68	14.39	33.38	402.29	3.2
	6/20/19	Top of PVC	416.68	NS	33.38	NS	NS
	9/20/19	Top of PVC	416.68	17.9	33.38	398.78	2.6
		Top of PVC	416.68		33.38		
OW1-1	3/21/19	Top of PVC	421.40	14.05	33.38	407.35	1.59
	6/20/19	Top of PVC	421.40	14.73	33.38	406.67	2.21

Table 1 Groundwater Elevations Pass and Seymour

	9/20/19	Top of PVC	421.40	18.5	33.38	402.9	0.83
		Top of PVC	421.40				
OW1-2	3/21/19	Top of PVC	421.25	WD	28.00	WD	WD
	06/20/19	Top of PVC	421.25	WD	28.00	WD	WD
	9/20/19	Top of PVC	421.25	WD	28.00	WD	WD
		Top of PVC	421.25	WD	28.0	WD	WD
OW1-3	3/21/1	Top of PVC	417.16	WD	25.75	WD	WD
	6/20/19	Top of PVC	417.16	WD	25.75	WD	WD
	9/20/19	Top of PVC	417.16	WD	25.75	WD	WD
		Top of PVC	417.16	WD	25.75	WD	WD
OW1-4	3/21/19	Top of PVC	419.90	16.95	27.97	402.95	1.87
	6/20/19	Top of PVC	419.90	15.7	27.97	404.2	2.09
	9/20/19	Top of PVC	419.90	NA	27.97	NA	NA
		Top of PVC	419.90		27.97		
OW2-2	3/21/19	Top of PVC	416.59	15.01	34.71	401.58	3.05
	6/20/19	Top of PVC	416.59	NS	34.71	NS	NS
	9/20/19	Top of PVC	416.59	17.53	34.71	398.99	2.62
		Top of PVC	416.59		34.71		

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	3/21	1020	0.18	1654	1.1	5.37	6.93	176.2	2.88	6.32
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	1030	15.65	2630	1.37	3.14	5.86	124.8	7.82	5.5
BR07-32	3/21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	NA	NA	NA	NA	NA	NA	NA	NA	NA
BR08-33	3/21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	NA	NA	NA	NA	NA	NA	NA	NA	NA
BR08-34	3/21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	1115	12.68	4503	2.42	6.8	7.37	136.6	15.1	6
BR08-35	3/21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	NA	NA	NA	NA	NA	NA	NA	NA	NA
BR09-37	3/21	1235	4.87	1378	0.9	6.61	7.29	113.9	14.6	3.51
	6/20	1145	6.5	1548	1.3	4.48	7.33	120.1	15.7	4
	9/20	1320	15.26	1802	0.92	5.88	7.61	104.2	11.2	1.5
BR09-39	3/21	1225	5.82	1073	0.9	5.97	7.28	112.5	4.91	5.43
	6/20	1135	7.21	1093	0.87	117.6	7.36	117.6	25.6	6
	9/20	1320	16.5	1711	0.87	5.22	7.67	102.7	13.7	5
BR10-46	3/21	1142	3.57	2110	1.8	7.22	7.25	177.0	11.9	7.97
	6/20	1100	7.46	1267	1.03	5.81	7.31	124.9	25.5	9
	9/20	1250	16.27	2817	1.47	3.84	7.39	116.5	20.6	7
BR10-47	3/21	1135	3.32	949	1.0	6.50	7.43	105.8	16.6	8.06
	6/20	1050	6.12	814	0.67	4.54	7.36	86.2	24.3	8
	9/20	1240	15.55	1487	0.75	5.18	7.55	99.6	21.6	7
IW2-1	3/21	1110	4.26	2452	2.2	4.77	7.18	46.0	12.5	18.77
	6/20	1026	5.93	1270	1.03	3.26	6.56	156.5	15.3	19
	9/20	1210	15.44	2414	1.25	4.78	7.49	101.6	14.5	32

Table 2 Groundwater Field Parameters, Pass and Seymour

IW2-3	3/21	1110	3.99	1886	2.4	5.51	7.38	58.4	12.5	19.65
	6/20	1035	5.62	1081	0.92	4.67	7.12	53.2	9.18	21
	9/20	1145	15.6	1541	0.78	4.93	7.69	106.3	21.2	35
MW05-02	3/21	WD	WD	WD	WD	WD	WD	WD	WD	WD
	6/20	WD	WD	WD	WD	WD	WD	WD	WD	WD
	9/20	WD	WD	WD	WD	WD	WD	WD	WD	WD
MW05-03	3/21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-04	3/21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-5	3/21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-10	3/21	1200	4.88	2307	2.1	6.36	7.38	112.6	162	1.60
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-11	3/21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-21	3/21	1015	.13	915	0.9	5.69	6.07	238.2	4.91	3.90
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	1040	15.14	1957	1.0	3.52	6.84	113.1	20.0	4
OB09-36	3/21	1125	3.86	2469	2.2	4.92	7.28	108.1	10.65	10.65
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	1200	15.94	2909	1.56	3.96	7.43	114.2	10.17	9.5

Table 2 Groundwater Field Parameters, Pass and Seymour

OB09-38	3/21	1050	3.25	1868	1.7	6.1	7.01	88.7	65.3	9.6
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	1230	15.06	2168	1.11	4.51	7.6	101.9	75.6	8
OW1-1	3/21	1210	4.13	2172	2.0	7.39	7.35	118.2	12.9	4.77
	6/20	1110	6.08	1669	2.0	6.76	7.32	130.5	16.1	7
	9/20	1130	15.3	2932	1.53	7.82	7.44	115.9	28	1
OW1-2	3/21	WD	WD	WD	WD	WD	WD	WD	WD	WD
	6/20	WD	WD	WD	WD	WD	WD	WD	WD	WD
	9/20	WD	WD	WD	WD	WD	WD	WD	WD	WD
		WD	WD	WD	WD	WD	WD	WD	WD	WD
OW1-3	3/21	WD	WD	WD	WD	WD	WD	WD	WD	WD
	6/20	WD	WD	WD	WD	WD	WD	WD	WD	WD
	9/20	WD	WD	WD	WD	WD	WD	WD	WD	WD
		WD	WD	WD	WD	WD	WD	WD	WD	WD
OW1-4	3/21	1215	4.90	680	0.6	5.88	7.25	110.6	8.86	5.63
	6/20	1125	8.6	547	0.71	4.42	7.28	126.2	24.7	6.5
	9/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
OW2-2	3/21	1120	4.12	1534	1.4	6.82	7.35	89.3	13.3	9.17
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	1220	13.97	1890	0.98	4.22	7.6	102.6	28.1	8

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 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR07-31		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	NS	ND	NS	ND	
1,1,2,2-Tetrachloroethane	5	NS	ND	NS	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	ND	NS	ND	
1,1,2-Trichloroethane	1	NS	ND	NS	ND	
1,1-Dichloroethane	5	NS	ND	NS	ND	
1,1-Dichloroethene	5	NS	ND	NS	ND	
1,2, 4-Trichlorobenzene	5	NS	ND	NS	ND	
1,2-Dibromo-3-Chloropropane	0.04	NS	ND	NS	ND	
1,2-Dibromoethane		NS	ND	NS	ND	
1,2-Dichlorobenzene	3	NS	ND	NS	ND	
1,2-Dichloroethane	0.6	NS	ND	NS	ND	
1,2 -Dichloropropane	1	NS	ND	NS	ND	
1,3-Dichlorobenzene	3	NS	ND	NS	ND	
1,4-Dichlorobenzene	3	NS	ND	NS	ND	
2-Butanone (MEK))	50	NS	ND	NS	ND	
2-Hexanone		NS	ND	NS	ND	
4-Methyl-2-pentanone (MIBK)		NS	ND	NS	ND	
Acetone	50	NS	3.3 J	NS	ND	
Benzene	1	NS	ND	NS	ND	
Bromodichloromethane	50	NS	ND	NS	ND	
Bromoform	50	NS	ND	NS	ND	
Bromomethane	5	NS	ND	NS	ND	
Carbon disulfide		NS	ND	NS	ND	
Carbon tetrachloride	5	NS	ND	NS	ND	
Chlorobenzene	5	NS	ND	NS	ND	
Chloroethane	5	NS	ND	NS	ND	
Chloroform	7	NS	ND	NS	ND	
Chloromethane		NS	ND	NS	ND	
cis-1,2-Dichloroethene	5	NS	9.3	NS	21	
Cis-1,3-Dichloropropene	0.4	NS	ND	NS	ND	
Cyclohexane		NS	ND	NS	ND	
Dibromochloromethane		NS	ND	NS	ND	
Dichlorodifluoromethane	5	NS	ND	NS	ND	
Ethylbenzene	5	NS	ND	NS	ND	
Isopropylbenzene	5	NS	ND	NS	ND	
Methyl acetate		NS	ND	NS	ND	
Methyl tert-butyl ether	10	NS	ND	NS	ND	
Methylcyclohexane		NS	ND	NS	ND	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	NS	ND	NS	ND	
Styrene	5	NS	ND	NS	ND	
Tetrachloroethene	5	NS	30	NS	38	
Toluene	5	NS	ND	NS	ND	
trans-1,2-Dichloroethene	5	NS	ND	NS	ND	
trans-1,3-Dichloropropene	0.4	NS	ND	NS	ND	
Trichloroethene	5	NS	5.9	NS	8.7	
Trichlorofluoromethane	5	NS	ND	NS	ND	
Vinyl chloride	2	NS	ND	NS	ND	
Xylenes, Total	5	NS	ND	NS	ND	

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	NS	62 B	NS	170	
Manganese (EPA Method 6010B)		NS	280 B	NS	150 B	
Nitrate as N (EPA Method 9056)	10,000	NS	56,800	NS	10,400	
Chemical Oxygen Demand (EPA Method 410.4)		NS	14,400 B	NS	8,500 J	
Total Organic Carbon (EPA Method 9060A)		NS		NS	1,500	

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 2019 Post-ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR07-32		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/1/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	NS	NS	NS	NS	
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	NS	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS	NS	NS	
1,1,2-Trichloroethane	1	NS	NS	NS	NS	
1,1-Dichloroethane	5	NS	NS	NS	NS	
1,1-Dichloroethene	5	NS	NS	NS	NS	
1,2, 4-Trichlorobenzene	5	NS	NS	NS	NS	
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	NS	
1,2-Dibromoethane		NS	NS	NS	NS	
1,2-Dichlorobenzene	3	NS	NS	NS	NS	
1,2-Dichloroethane	0.6	NS	NS	NS	NS	
1,2 -Dichloropropane	1	NS	NS	NS	NS	
1,3-Dichlorobenzene	3	NS	NS	NS	NS	
1,4-Dichlorobenzene	3	NS	NS	NS	NS	
2-Butanone (MEK))	50	NS	NS	NS	NS	
2-Hexanone		NS	NS	NS	NS	
4-Methyl-2-pentanone (MIBK)		NS	NS	NS	NS	
Acetone	50	NS	NS	NS	NS	
Benzene	1	NS	NS	NS	NS	
Bromodichloromethane	50	NS	NS	NS	NS	
Bromoform	50	NS	NS	NS	NS	
Bromomethane	5	NS	NS	NS	NS	
Carbon disulfide		NS	NS	NS	NS	
Carbon tetrachloride	5	NS	NS	NS	NS	
Chlorobenzene	5	NS	NS	NS	NS	
Chloroethane	5	NS	NS	NS	NS	
Chloroform	7	NS	NS	NS	NS	
Chloromethane		NS	NS	NS	NS	
cis-1,2-Dichloroethene	5	NS	NS	NS	NS	
Cis-1,3-Dichloropropene	0.4	NS	NS	NS	NS	
Cyclohexane		NS	NS	NS	NS	
Dibromochloromethane		NS	NS	NS	NS	
Dichlorodifluoromethane	5	NS	NS	NS	NS	
Ethylbenzene	5	NS	NS	NS	NS	
Isopropylbenzene	5	NS	NS	NS	NS	
Methyl acetate		NS	NS	NS	NS	
Methyl tert-butyl ether	10	NS	NS	NS	NS	
Methylcyclohexane		NS	NS	NS	NS	
Methylene chloride	5	NS	NS	NS	NS	
Styrene	5	NS	NS	NS	NS	

[Pick the date]



Table 3 – Pass & Seymour 2019 Post-ISCO Groundwater Sample Analytical Results

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

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	NS	NS	NS	NS	
Manganese (EPA Method 6010B)		NS	NS	NS	NS	
Nitrate as N (EPA Method 9056)	10,000	NS	NS	NS	NS	
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS	NS	NS	
Total Organic Carbon (EPA Method 9060A)		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)



Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR08-33		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	NS	NS	NS	NS	
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	NS	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS	NS	NS	
1,1,2-Trichloroethane	1	NS	NS	NS	NS	
1,1-Dichloroethane	5	NS	NS	NS	NS	
1,1-Dichloroethene	5	NS	NS	NS	NS	
1,2, 4-Trichlorobenzene	5	NS	NS	NS	NS	
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	NS	
1,2-Dibromoethane		NS	NS	NS	NS	
1,2-Dichlorobenzene	3	NS	NS	NS	NS	
1,2-Dichloroethane	0.6	NS	NS	NS	NS	
1,2 -Dichloropropane	1	NS	NS	NS	NS	
1,3-Dichlorobenzene	3	NS	NS	NS	NS	
1,4-Dichlorobenzene	3	NS	NS	NS	NS	
2-Butanone (MEK))	50	NS	NS	NS	NS	
2-Hexanone		NS	NS	NS	NS	
4-Methyl-2-pentanone (MIBK)		NS	NS	NS	NS	
Acetone	50	NS	NS	NS	NS	
Benzene	1	NS	NS	NS	NS	
Bromodichloromethane	50	NS	NS	NS	NS	
Bromoform	50	NS	NS	NS	NS	
Bromomethane	5	NS	NS	NS	NS	
Carbon disulfide		NS	NS	NS	NS	
Carbon tetrachloride	5	NS	NS	NS	NS	
Chlorobenzene	5	NS	NS	NS	NS	
Chloroethane	5	NS	NS	NS	NS	
Chloroform	7	NS	NS	NS	NS	
Chloromethane		NS	NS	NS	NS	
cis-1,2-Dichloroethene	5	NS	NS	NS	NS	
Cis-1,3-Dichloropropene	0.4	NS	NS	NS	NS	
Cyclohexane		NS	NS	NS	NS	
Dibromochloromethane		NS	NS	NS	NS	
Dichlorodifluoromethane	5	NS	NS	NS	NS	
Ethylbenzene	5	NS	NS	NS	NS	
Isopropylbenzene	5	NS	NS	NS	NS	
Methyl acetate		NS	NS	NS	NS	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

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

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	NS	NS	NS	NS	
Manganese (EPA Method 6010B)		NS	NS	NS	NS	
Nitrate as N (EPA Method 9056)	10,000	NS	NS	NS	NS	
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS	NS	NS	
Total Organic Carbon (EPA Method 9060A)		NS	NS	NS	NS	

All values reported as ug/L

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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 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR08-34		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	NS	NS	NS	ND	
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS	NS	ND	
1,1,2-Trichloroethane	1	NS	NS	NS	ND	
1,1-Dichloroethane	5	NS	NS	NS	ND	
1,1-Dichloroethene	5	NS	NS	NS	ND	
1,2, 4-Trichlorobenzene	5	NS	NS	NS	ND	
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	ND	
1,2-Dibromoethane		NS	NS	NS	ND	
1,2-Dichlorobenzene	3	NS	NS	NS	ND	
1,2-Dichloroethane	0.6	NS	NS	NS	ND	
1,2 -Dichloropropane	1	NS	NS	NS	ND	
1,3-Dichlorobenzene	3	NS	NS	NS	ND	
1,4-Dichlorobenzene	3	NS	NS	NS	ND	
2-Butanone (MEK))	50	NS	NS	NS	ND	
2-Hexanone		NS	NS	NS	ND	
4-Methyl-2-pentanone (MIBK)		NS	NS	NS	ND	
Acetone	50	NS	NS	NS	ND	
Benzene	1	NS	NS	NS	ND	
Bromodichloromethane	50	NS	NS	NS	ND	
Bromoform	50	NS	NS	NS	ND	
Bromomethane	5	NS	NS	NS	ND	
Carbon disulfide		NS	NS	NS	ND	
Carbon tetrachloride	5	NS	NS	NS	ND	
Chlorobenzene	5	NS	NS	NS	ND	
Chloroethane	5	NS	NS	NS	ND	
Chloroform	7	NS	NS	NS	ND	
Chloromethane		NS	NS	NS	ND	
cis-1,2-Dichloroethene	5	NS	NS	NS	ND	
Cis-1,3-Dichloropropene	0.4	NS	NS	NS	ND	
Cyclohexane		NS	NS	NS	ND	
Dibromochloromethane		NS	NS	NS	ND	
Dichlorodifluoromethane	5	NS	NS	NS	ND	
Ethylbenzene	5	NS	NS	NS	ND	
Isopropylbenzene	5	NS	NS	NS	ND	
Methyl acetate		NS	NS	NS	ND	
Methyl tert-butyl ether	10	NS	NS	NS	ND	
Methylcyclohexane		NS	NS	NS	ND	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

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

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	NS	NS	NS	190	
Manganese (EPA Method 6010B)		NS	NS	NS	330 B	
Nitrate as N (EPA Method 9056)	10,000	NS	NS	NS	390	
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS	NS	11,100	
Total Organic Carbon (EPA Method 9060A)		NS	NS	NS	ND	

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

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 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR08-35		2019 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	NS	NS	NS	NS	
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	NS	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS	NS	NS	
1,1,2-Trichloroethane	1	NS	NS	NS	NS	
1,1-Dichloroethane	5	NS	NS	NS	NS	
1,1-Dichloroethene	5	NS	NS	NS	NS	
1,2, 4-Trichlorobenzene	5	NS	NS	NS	NS	
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	NS	
1,2-Dibromoethane		NS	NS	NS	NS	
1,2-Dichlorobenzene	3	NS	NS	NS	NS	
1,2-Dichloroethane	0.6	NS	NS	NS	NS	
1,2 -Dichloropropane	1	NS	NS	NS	NS	
1,3-Dichlorobenzene	3	NS	NS	NS	NS	
1,4-Dichlorobenzene	3	NS	NS	NS	NS	
2-Butanone (MEK))	50	NS	NS	NS	NS	
2-Hexanone		NS	NS	NS	NS	
4-Methyl-2-pentanone (MIBK)		NS	NS	NS	NS	
Acetone	50	NS	NS	NS	NS	
Benzene	1	NS	NS	NS	NS	
Bromodichloromethane	50	NS	NS	NS	NS	
Bromoform	50	NS	NS	NS	NS	
Bromomethane	5	NS	NS	NS	NS	
Carbon disulfide		NS	NS	NS	NS	
Carbon tetrachloride	5	NS	NS	NS	NS	
Chlorobenzene	5	NS	NS	NS	NS	
Chloroethane	5	NS	NS	NS	NS	
Chloroform	7	NS	NS	NS	NS	
Chloromethane		NS	NS	NS	NS	
cis-1,2-Dichloroethene	5	NS	NS	NS	NS	
Cis-1,3-Dichloropropene	0.4	NS	NS	NS	NS	
Cyclohexane		NS	NS	NS	NS	
Dibromochloromethane		NS	NS	NS	NS	
Dichlorodifluoromethane	5	NS	NS	NS	NS	
Ethylbenzene	5	NS	NS	NS	NS	
Isopropylbenzene	5	NS	NS	NS	NS	
Methyl acetate		NS	NS	NS	NS	
Methyl tert-butyl ether	10	NS	NS	NS	NS	
Methylcyclohexane		NS	NS	NS	NS	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

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

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	NS	NS	NS	NS	
Manganese (EPA Method 6010B)		NS	NS	NS	NS	
Nitrate as N (EPA Method 9056)	10,000	NS	NS	NS	NS	
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS	NS	NS	
Total Organic Carbon (EPA Method 9060A)		NS	NS	NS	NS	

All values reported as ug/L

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NS – Not Sampled

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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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 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR09-37		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	ND	ND	80	
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	
D1,1,2-Trichloro- 1,ND2,2trifluoroethane	5		ND	ND	22	
ND1,1,2-Trichloroethane	1	ND	ND	ND	ND	
1,1-Dichloroethane	5	ND	ND	ND	38	
1,1-Dichloroethene	5	ND	ND	ND	75	
1,2, 4-Trichlorobenzene	5		ND	ND	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	
1,2-Dibromoethane			ND	ND	ND	
1,2-Dichlorobenzene	3		ND	ND	ND	
1,2-Dichloroethane	0.06	ND	ND	ND	ND	
1,2 -Dichloropropane	1	ND	ND	ND	ND	
1,3-Dichlorobenzene	3		ND	ND	ND	
1,4-Dichlorobenzene	3		ND	ND	ND	
2-Butanone (MEK))	50	ND	ND	ND	ND	
2-Hexanone			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	
Carbon tetrachloride	5	ND	ND	ND	ND	
Chlorobenzene	5	ND	ND	ND	ND	
Chloroethane	5	ND	ND	ND	ND	
Chloroform	7	ND	ND	ND	1.2	
Chloromethane		ND	ND	ND	ND	
cis-1,2-Dichloroethene	5	ND	7,300	8,100	6,500	
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	
Cyclohexane			ND	ND	ND	
Dibromochloromethane			ND	ND	ND	
Dichlorodifluoromethane	5		ND	ND	ND	
Ethylbenzene	5	ND	ND	ND	ND	
Isopropylbenzene	5		ND	ND	ND	
Methyl acetate			ND	ND	ND	

Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10		ND	ND	ND	
Methylcyclohexane			ND	ND	ND	
Methylene chloride	5	ND	ND	ND	.57 J	
Styrene	5	ND	ND	ND	ND	
Tetrachloroethene	5	ND	ND	ND	19	
Toluene	5	ND	ND	ND	.67 J	
trans-1,2-Dichloroethene	5	ND	ND	ND	31	
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	
Trichloroethene	5	7,800	98,000	95,000	75,000	
Trichlorofluoromethane	5		ND	ND	ND	
Vinyl chloride	2	ND	ND	ND	4.4	
Xylenes, Total	5	ND	ND	ND	ND	

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	17,000	690 B	825	510	
Manganese (EPA Method 6010B)		NS	400 B	431	460 B	
Nitrate as N (EPA Method 9056)	10,000	2,100	1,300	1,200	920	
Chemical Oxygen Demand (EPA Method 410.4)		9,400	25,400 B	23,400	22,900	
Total Organic Carbon (EPA Method 9060A)	NS	ND	1,300	2,000	1,200	

All values reported as ug/L

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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 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR09-39		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	ND	0.52 J	ND	
1,1,2,2-Tetrachloroethane	5		ND	ND	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	
1,1,2-Trichloroethane	1	ND	ND	0.35 J	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	
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	
1,2-Dibromoethane			ND	ND	ND	
1,2-Dichlorobenzene	3		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	
1,4-Dichlorobenzene	3		ND	ND	ND	
2-Butanone (MEK))	50	ND	ND	ND	ND	
2-Hexanone			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	
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	
cis-1,2-Dichloroethene	5	12	47	31	79	
cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	
Cyclohexane			ND	ND	ND	
Dibromochloromethane			ND	ND	ND	
Dichlorodifluoromethane	5		ND	ND	ND	
Ethylbenzene	5	ND	ND	ND	ND	
Isopropylbenzene	5		ND	ND	ND	
Methyl acetate			ND	ND	ND	
Methyl tert-butyl ether	10		ND	ND	ND	
Methylcyclohexane			ND	ND	ND	

Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	ND	ND	ND	ND	
Styrene	5	ND	ND	ND	ND	
Tetrachloroethene	5	ND	7.2 J	4.7	8.3 J	
Toluene	5	ND	ND	ND	NND	
trans-1,2-Dichloroethene	5	ND	ND	0.36 J	ND	
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	
Trichloroethene	5	290	400	280	660 F 1	
Trichlorofluoromethane	5		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 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	132	210 B	232	94	
Manganese (EPA Method 6010B)			32 B	58	33 B	
Nitrate as N (EPA Method 9056)	10,000	10,400	4,200	3,200	2,500	
Chemical Oxygen Demand (EPA Method 410.4)		4,300	17,700 B	6,600 J	10,400	
Total Organic Carbon (EPA Method 9060A)		ND	750 J	1,400	690 J	

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 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR10-46		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5		ND F1	1.6 J	14	
1,1,2,2-Tetrachloroethane	5		ND	ND	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	2.8	
1,1,2-Trichloroethane	1		ND	ND	ND	
1,1-Dichloroethane	5		ND	ND	3.2	
1,1-Dichloroethene	5		ND	1.1 J	5.9	
1,2, 4-Trichlorobenzene	5		ND	ND	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	
1,2-Dibromoethane			ND F1	ND	ND	
1,2-Dichlorobenzene	3		ND	ND	ND	
1,2-Dichloroethane	0.6		ND	ND	ND	
1,2 -Dichloropropane	1		ND	ND	ND	
1,3-Dichlorobenzene	3		ND	ND	ND	
1,4-Dichlorobenzene	3		ND	ND	ND	
2-Butanone (MEK))	50		ND	ND	ND	
2-Hexanone			ND	ND	ND	
4-Methyl-2-pentanone (MIBK)			ND	ND	ND	
Acetone	50		ND	ND	ND	
Benzene	1		ND	ND	ND	
Bromodichloromethane	50		ND F1	ND	ND	
Bromoform	50		ND F1	ND	ND	
Bromomethane	5		ND	ND	ND	
Carbon disulfide			ND	ND	ND	
Carbon tetrachloride	5		ND F1	ND	ND	
Chlorobenzene	5		ND	ND	ND	
Chloroethane	5		ND	ND	ND	
Chloroform	7		ND	ND	ND	
Chloromethane			ND	ND	ND	
cis-1,2-Dichloroethene	5		360	110	480	
cis-1,3-Dichloropropene	0.4		ND F1	ND	ND	
Cyclohexane			ND	ND	ND	
Dibromochloromethane			ND	ND	ND	
Dichlorodifluoromethane	5		ND F1	ND	ND	
Ethylbenzene	5		ND	ND	ND	
Isopropylbenzene	5		ND	ND	ND	
Methyl acetate			ND	ND	ND	

Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10		ND	ND	ND	
Methylcyclohexane			ND	ND	ND	
Methylene chloride	5		ND	ND	ND	
Styrene	5		ND	ND	ND	
Tetrachloroethene	5		ND F1	1.4 J	6.4	
Toluene	5		ND	ND	ND	
trans-1,2-Dichloroethene	5		ND F1	0.52 J	4.2	
trans-1,3-Dichloropropene	0.4		ND	ND	ND	
Trichloroethene	5		3,400	850	4000	
Trichlorofluoromethane	5		ND	ND	ND	
Vinyl chloride	2		ND	ND	ND	
Xylenes, Total	5		ND	ND	ND	

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300		350 B	1,290	1,100	
Manganese (EPA Method 6010B)			300 B	674	1,600 B	
Nitrate as N (EPA Method 9056)	10,000		1,600	1,300	1,300	
Chemical Oxygen Demand (EPA Method 410.4)			36,900 J B	24,800	22,900	
Total Organic Carbon (EPA Method 9060A)			970 J	5,800	2,200	

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

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

(*) 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)

Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR10-47		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5		ND	ND	ND	
1,1,2,2-Tetrachloroethane	5		ND	ND	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	
1,1,2-Trichloroethane	1		ND	ND	ND	
1,1-Dichloroethane	5		ND	ND	ND	
1,1-Dichloroethene	5		ND	ND	ND	
1,2, 4-Trichlorobenzene	5		ND	ND	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	
1,2-Dibromoethane			ND	ND	ND	
1,2-Dichlorobenzene	3		ND	ND	ND	
1,2-Dichloroethane	0.6		ND	ND	ND	
1,2 -Dichloropropane	1		ND	ND	ND	
1,3-Dichlorobenzene	3		ND	ND	ND	
1,4-Dichlorobenzene	3		ND	ND	ND	
2-Butanone (MEK))	50		ND	ND	ND	
2-Hexanone			ND	ND	ND	
4-Methyl-2-pentanone (MIBK)			ND	ND	ND	
Acetone	50		4.5 J	ND	ND	
Benzene	1		ND	ND	ND	
Bromodichloromethane	50		ND	ND	ND	
Bromoform	50		ND	ND	ND	
Bromomethane	5		ND	ND	ND	
Carbon disulfide			ND	ND	ND	
Carbon tetrachloride	5		ND	ND	ND	
Chlorobenzene	5		ND	ND	ND	
Chloroethane	5		ND	ND	ND	
Chloroform	7		ND	ND	ND	
Chloromethane			ND	ND	ND	
cis-1,2-Dichloroethene	5		8.5	6.5	32	
cis-1,3-Dichloropropene	0.4		ND	ND	ND	
Cyclohexane			ND	ND	ND	
Dibromochloromethane			ND	ND	ND	
Dichlorodifluoromethane	5		ND	ND	ND	
Ethylbenzene	5		ND	ND	ND	
Isopropylbenzene	5		ND	ND	ND	
Methyl acetate			ND	ND	ND	
Methyl tert-butyl ether	10		ND	ND	ND	
Methylcyclohexane			ND	ND	ND	

Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5		ND	ND	11	
Styrene	5		ND	ND	ND	
Tetrachloroethene	5		NDJ	ND	ND	
Toluene	5		ND	ND	ND	
trans-1,2-Dichloroethene	5		ND	ND	ND	
trans-1,3-Dichloropropene	0.4		ND	ND	ND	
Trichloroethene	5		8.8	13	240	
Trichlorofluoromethane	5		ND	ND	ND	
Vinyl chloride	2		ND	ND	ND	
Xylenes, Total	5		ND	ND	ND	

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 ST QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300		920 B	1,630	1,600	
Manganese (EPA Method 6010B)			770 B	1,220	3,100 B	
Nitrate as N (EPA Method 9056)	10,000		4,800	3,800	2,900	
Chemical Oxygen Demand (EPA Method 410.4)			22,800 B	4,900 J	20,000	
Total Organic Carbon (EPA Method 9060A)			930 J	1,500	920 J	

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 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL IW2-1		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/21/19	6/20/19	9/29/19	
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	
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	
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	
1,2-Dibromoethane			ND	ND	ND	
1,2-Dichlorobenzene	3		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	
1,4-Dichlorobenzene	3		ND	ND	ND	
2-Butanone (MEK))	50	ND	ND	ND	ND	
2-Hexanone			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	
Carbon tetrachloride	5		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	
cis-1,2-Dichloroethene	5	210	120	8.8	12	
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	
Cyclohexane			ND	ND	ND	
Dibromochloromethane			ND	ND	ND	
Dichlorodifluoromethane	5		ND	ND	ND	
Ethylbenzene	5	ND	ND	ND	ND	
Isopropylbenzene	5		ND	ND	ND	
Methyl acetate			ND	ND	ND	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10		ND	ND	ND	
Methylcyclohexane			ND	ND	ND	
Methylene chloride	5	39 J	ND	ND	ND	
Styrene	5	ND	ND	ND	ND	
Tetrachloroethene	5	ND	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	3,900	730	39	25	
Trichlorofluoromethane	5		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 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	1,610	1,100 B	873	2,000	
Manganese (EPA Method 6010B)			230B	245	290 B	
Nitrate as N (EPA Method 9056)	10,000	440	400	220	360	
Chemical Oxygen Demand (EPA Method 410.4)		5,800	26,100 B	34,700	26,100	
Total Organic Carbon (EPA Method 9060A)		ND	860 J	4,500	1,300	

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)

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL IW2-3		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/18	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5		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	
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	
1,2-Dibromoethane			ND	ND	ND	
1,2-Dichlorobenzene	3		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	
1,4-Dichlorobenzene	3		ND	ND	ND	
2-Butanone (MEK))	50	ND	ND	ND	ND	
2-Hexanone			ND	ND	ND	
4-Methyl-2-pentanone (MIBK)		110	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	
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	
cis-1,2-Dichloroethene	5	370	14	2.2	2.2	
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	
Cyclohexane			ND	ND	ND	
Dibromochloromethane			ND	MD	ND	
Dichlorodifluoromethane	5		ND	ND	ND	
Ethylbenzene	5	ND	ND	ND	ND	
Isopropylbenzene	5		ND	ND	ND	
Methyl acetate			ND	ND	ND	
Methyl tert-butyl ether	10		ND	ND	ND	
Methylcyclohexane			ND	ND	ND	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	110 J	ND	ND	ND	
Styrene	5	ND	ND	ND	ND	
Tetrachloroethene	5	ND	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	6,000	130	26	27	
Trichlorofluoromethane	5		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 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	4,870	110 B	119 J	720	
Manganese (EPA Method 6010B)	300	473	38 B	52.7	93 B	
Nitrate as N (EPA Method 9056)	10,000	750	4,800	1,700	2,200	
Chemical Oxygen Demand (EPA Method 410.4)		7,100	9,400 J B	10,500	20,700	
Total Organic Carbon (EPA Method 9060A)		ND	830 J	2,500	2,000	

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 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-02		2019 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	WD	WD	WD	
1,1,2,2-Tetrachloroethane	5	ND	WD	WD	WD	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	WD	WD	WD	
1,1,2-TrichloroethaneD	1	ND	WD	WD	WD	
1,1-DichloroethaneND	5	ND	WD	WD	WD	
1,1-DichloroetheneND	5	ND	WD	WD	WD	
1,2, 4-TrichlorobenzenNDe	5	ND	WD	WD	WD	
1,2-Dibromo-3-Chloropropane	0.04	ND	WD	WD	WD	
1,2-Dibromoethane		ND	WD	WD	WD	
1,2-Dichlorobenzene	3	ND	WD	WD	WD	
1,2-Dichloroethane	0.06	ND	WD	WD	WD	
1,2 -Dichloropropane	1	ND	WD	WD	WD	
1,3 Dichlorobenzene	3	ND	WD	WD	WD	
1,4-Dichlorobenzene	3	ND	WD	WD	WD	
2-Butanone (MEK))	50	ND	WD	WD	WD	
2-Hexanone		ND	WD	WD	WD	
4-Methyl-2-pentanone (MIBK)		ND	WD	WD	WD	
Acetone	50	ND	WD	WD	WD	
Benzene	1	ND	WD	WD	WD	
Bromodichloromethane	50	ND	WD	WD	WD	
Bromoform	50	ND	WD	WD	WD	
Bromomethane	5	ND	WD	WD	WD	
Carbon disulfide		ND	WD	WD	WD	
Carbon tetrachloride	5	ND	WD	WD	WD	
Chlorobenzene	5	ND	WD	WD	WD	
Chloroethane	5	ND	WD	WD	WD	
Chloroform	7	ND	WD	WD	WD	
Chloromethane		ND	WD	WD	WD	
cis-1,2-Dichloroethene	5	1.5	WD	WD	WD	
cis-1,3-Dichloropropene	0.4	ND	WD	WD	WD	
Cyclohexane		ND	WD	WD	WD	
Dibromochloromethane		ND	WD	WD	WD	
Dichlorodifluoromethane	5	ND	WD	WD	WD	
Ethylbenzene	5	ND	WD	WD	WD	
Isoproylbenzene	5	ND	WD	WD	WD	
Methyl acetate		ND	WD	WD	WD	
Methyl tert-butyl ether	10	ND	WD	WD	WD	
Methylcyclohexane		ND	WD	WD	WD	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	ND	WD	WD	WD	
Styrene	5	ND	WD	WD	WD	
Tetrachloroethene	5	ND	WD	WD	WD	
Toluene	5	ND	WD	WD	WD	
trans-1,2-Dichloroethene	5	ND	WD	WD	WD	
Trans-1,3-Dichloropropene	0.4	ND	WD	WD	WD	
Trichloroethene	5	220	WD	WD	WD	
Trichlorofluoromethane	5	ND	WD	WD	WD	
Vinyl chloride	2	ND	WD	WD	WD	
Xylenes, Total	5	ND	WD	WD	WD	

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	2,7800	WD	WD	WD	
Manganese (EPA Method 6010B)		193	WD	WD	WD	
Nitrate as N (EPA Method 9056)	10,000	ND	WD	WD	WD	
Chemical Oxygen Demand (EPA Method 410.4)	NS	22,000	WD	WD	WD	
Total Organic Carbon (EPA Method 9060A)	NS	1,600	WD	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 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-03		2019 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	NS*	NS	NS	
1,1,2,2-Tetrachloroethane	5	ND	NS *	NS	NS	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS	NS	
1,1,2-TrichloroethaneD	1	ND	NS*	NS	NS	
1,1-DichloroethaneND	5	ND	NS*	NS	NS	
1,1-DichloroetheneND	5	ND	NS*	NS	NS	
1,2, 4-TrichlorobenzenNDe	5	ND	NS*	NS	NS	
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS	NS	
1,2-Dibromoethane		ND	NS*	NS	NS	
1,2-Dichlorobenzene	3	ND	NS*	NS	NS	
1,2-Dichloroethane	0.06	ND	NS*	NS	NS	
1,2 -Dichloropropane	1	ND	NS*	NS	NS	
1,3 Dichlorobenzene	3	ND	NS*	NS	NS	
1,4-Dichlorobenzene	3	ND	NS*	NS	NS	
2-Butanone (MEK))	50	ND	NS*	NS	NS	
2-Hexanone		ND	NS*	NS	NS	
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS	NS	
Acetone	50	ND	NS*	NS	NS	
Benzene	1	ND	NS*	NS	NS	
Bromodichloromethane	50	ND	NS*	NS	NS	
Bromoform	50	ND	NS*	NS	NS	
Bromomethane	5	ND	NS*	NS	NS	
Carbon disulfide		ND	NS*	NS	NS	
Carbon tetrachloride	5	ND	NS*	NS	NS	
Chlorobenzene	5	ND	NS*	NS	NS	
Chloroethane	5	ND	NS*	NS	NS	
Chloroform	7	ND	NS*	NS	NS	
Chloromethane		ND	NS*	NS	NS	
cis-1,2-Dichloroethene	5	1.5	NS*	NS	NS	
cis-1,3-Dichloropropene	0.4	ND	NS*	NS	NS	
Cyclohexane		ND	NS*	NS	NS	
Dibromochloromethane		ND	NS*	NS	NS	
Dichlorodifluoromethane	5	ND	NS*	NS	NS	
Ethylbenzene	5	ND	NS*	NS	NS	
Isoproylbenzene	5	ND	NS*	NS	NS	
Methyl acetate		ND	NS*	NS	NS	
Methyl tert-butyl ether	10	ND	NS*	NS	NS	
Methylcyclohexane		ND	NS*	NS	NS	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

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

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	2,7800	NS*	NS	NS	
Manganese (EPA Method 6010B)		193	NS*	NS	NS	
Nitrate as N (EPA Method 9056)	10,000	ND	NS*	NS	NS	
Chemical Oxygen Demand (EPA Method 410.4)	NS	22,000	NS*	NS	NS	
Total Organic Carbon (EPA Method 9060A)	NS	1,600	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 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-04		2019 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre- ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	NS*	NS	NS*	
1,1,2,2-Tetrachloroethane	5	ND	NS*	NS	NS*	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS	NS*	
1,1,2-Trichloroethane	1	ND	NS*	NS	NS*	
1,1-Dichloroethane	5	ND	NS*	NS	NS*	
1,1-Dichloroethene	5	ND	NS*	NS	NS*	
1,2, 4-Trichlorobenzene	5	ND	NS*	NS	NS*	
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS	NS*	
1,2-Dibromoethane		ND	NS*	NS	NS*	
1,2-Dichlorobenzene	3	ND	NS*	NS	NS*	
1,2-Dichloroethane	0.06	ND	NS*	NS	NS*	
1,2 -Dichloropropane	1	ND	NS*	NS	NS*	
1,3 Dichlorobenzene	3	ND	NS*	NS	NS*	
1,4-Dichlorobenzene	3	ND	NS*	NS	NS*	
2-Butanone (MEK))	50	ND	NS*	NS	NS*	
2-Hexanone		ND	NS*	NS	NS*	
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS	NS*	
Acetone	50	ND	NS*	NS	NS*	
Benzene	1	ND	NS*	NS	NS*	
Bromodichloromethane	50	ND	NS*	NS	NS*	
Bromoform	50	ND	NS*	NS	NS*	
Bromomethane	5	ND	NS*	NS	NS*	
Carbon disulfide		ND	NS*	NS	NS*	
Carbon tetrachloride	5	ND	NS*	NS	NS*	
Chlorobenzene	5	ND	NS*	NS	NS*	
Chloroethane	5	ND	NS*	NS	NS*	
Chloroform	7	ND	NS*	NS	NS*	
Chloromethane		ND	NS*	NS	NS*	
cis-1,2-Dichloroethene	5	ND	NS*	NS	NS*	
cis-1,3-Dichloropropene	0.4	ND	NS*	NS	NS*	
Cyclohexane		ND	NS*	NS	NS*	
Dibromochloromethane		ND	NS*	NS	NS*	
Dichlorodifluoromethane	5	ND	NS*	NS	NS*	
Ethylbenzene	5	ND	NS*	NS	NS*	
Isopropylbenzene	5	ND	NS*	NS	NS*	
Methyl acetate		ND	NS*	NS	NS*	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

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

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1st QTR 3/21/19	2nd QTR 6/20/19	3rd QTR 9/20/19	4th QTR
Iron (EPA Method 6010B)	300	290	NS*	NS	NS*	
Manganese (EPA Method 6010B)		4.9	NS*	NS	NS*	
Nitrate as N (EPA Method 9056)	10,000	2,700	NS*	NS	NS*	
Chemical Oxygen Demand (EPA Method 410.4)	NS	ND	NS*	NS	NS*	
Total Organic Carbon (EPA Method 9060A)	NS	1,100	NS*	NS	NS*	

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Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-05		2019 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	NS*	NS	NS*	
1,1,2,2-Tetrachloroethane	5	ND	NS *	NS	NS*	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS	NS*	
1,1,2-TrichloroethaneD	1	ND	NS*	NS	NS*	
1,1-DichloroethaneND	5	ND	NS*	NS	NS*	
1,1-DichloroetheneND	5	ND	NS*	NS	NS*	
1,2, 4-TrichlorobenzenNDe	5	ND	NS*	NS	NS*	
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS	NS*	
1,2-Dibromoethane		ND	NS*	NS	NS*	
1,2-Dichlorobenzene	3	ND	NS*	NS	NS*	
1,2-Dichloroethane	0.06	ND	NS*	NS	NS*	
1,2 -Dichloropropane	1	ND	NS*	NS	NS*	
1,3 Dichlorobenzene	3	ND	NS*	NS	NS*	
1,4-Dichlorobenzene	3	ND	NS*	NS	NS*	
2-Butanone (MEK))	50	ND	NS*	NS	NS*	
2-Hexanone		ND	NS*	NS	NS*	
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS	NS*	
Acetone	50	ND	NS*	NS	NS*	
Benzene	1	ND	NS*	NS	NS*	
Bromodichloromethane	50	ND	NS*	NS	NS*	
Bromoform	50	ND	NS*	NS	NS*	
Bromomethane	5	ND	NS*	NS	NS*	
Carbon disulfide		ND	NS*	NS	NS*	
Carbon tetrachloride	5	ND	NS*	NS	NS*	
Chlorobenzene	5	ND	NS*	NS	NS*	
Chloroethane	5	ND	NS*	NS	NS*	
Chloroform	7	ND	NS*	NS	NS*	
Chloromethane		ND	NS*	NS	NS*	
cis-1,2-Dichloroethene	5	1.5	NS*	NS	NS*	
cis-1,3-Dichloropropene	0.4	ND	NS*	NS	NS*	
Cyclohexane		ND	NS*	NS	NS*	
Dibromochloromethane		ND	NS*	NS	NS*	
Dichlorodifluoromethane	5	ND	NS*	NS	NS*	
Ethylbenzene	5	ND	NS*	NS	NS*	
Isoproylbenzene	5	ND	NS*	NS	NS*	
Methyl acetate		ND	NS*	NS	NS*	
Methyl tert-butyl ether	10	ND	NS*	NS	NS*	
Methylcyclohexane		ND	NS*	NS	NS*	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

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

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	2,7800	NS*	NS	NS	
Manganese (EPA Method 6010B)		193	NS*	NS	NS*	
Nitrate as N (EPA Method 9056)	10,000	ND	NS*	NS	NS*	
Chemical Oxygen Demand (EPA Method 410.4)	NS	22,000	NS*	NS	NS*	
Total Organic Carbon (EPA Method 9060A)	NS	1,600	NS*	NS	NS*	

All values reported as ug/L

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Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-10		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	ND	NS	NS	
1,1,2,2-Tetrachloroethane	5	ND	ND	NS	NS	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND	NS	NS	
1,1,2-Trichloroethane	1	180	ND	NS	NS	
1,1-Dichloroethane	5	ND	ND	NS	NS	
1,1-Dichloroethene	5	35	ND	NS	NS	
1,2, 4-Trichlorobenzene	5	ND	ND	NS	NS	
1,2-Dibromo-3-Chloropropane	0.04		ND	NS	NS	
1,2-Dibromoethane			ND	NS	NS	
1,2-Dichlorobenzene	3		ND	NS	NS	
1,2-Dichloroethane	0.06	ND	ND	NS	NS	
1,2 -Dichloropropane	1		ND	NS	NS	
1,3 Dichlorobenzene	3		ND	NS	NS	
1,4-Dichlorobenzene	3		ND	NS	NS	
2-Butanone (MEK))	50	1.4 J	ND	NS	NS	
2-Hexanone			ND	NS	NS	
4-Methyl-2-pentanone (MIBK)			ND	NS	NS	
Acetone	50	6.3 J	3.5 J	NS	NS	
Benzene	1		ND	NS	NS	
Bromodichloromethane	50	ND	ND	NS	NS	
Bromoform	50	ND	ND	NS	NS	
Bromomethane	5		ND	NS	NS	
Carbon disulfide			ND	NS	NS	
Carbon tetrachloride	5	ND	ND	NS	NS	
Chlorobenzene	5		ND	NS	NS	
Chloroethane	5		ND	NS	NS	
Chloroform	7	ND	ND	NS	NS	
Chloromethane			ND	NS	NS	
cis-1,2-Dichloroethene	5	35	3.3	NS	NS	
cis-1,3-Dichloropropene	0.4	ND	ND	NS	NS	
Cyclohexane			ND	NS	NS	
Dibromochloromethane			ND	NS	NS	
Dichlorodifluoromethane	5	ND	ND	NS	NS	
Ethylbenzene	5	ND	ND	NS	NS	
Isopropylbenzene	5		ND	NS	NS	
Methyl acetate			ND	NS	NS	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10		ND	NS	NS	
Methylcyclohexane			ND	NS	NS	
Methylene chloride	5	1.4	ND	NS	NS	
Styrene	5	ND	ND	NS	NS	
Tetrachloroethene	5	ND	.59 J	NS	NS	
Toluene	5	ND	ND	NS	NS	
trans-1,2-Dichloroethene	5	ND	ND	NS	NS	
Trans-1,3-Dichloropropene	0.4	ND	ND	NS	NS	
Trichloroethene	5	160	59	NS	NS	
Trichlorofluoromethane	5		ND	NS	NS	
Vinyl chloride	2	ND	ND	NS	NS	
Xylenes, Total	5	ND	ND	NS	NS	

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	3630	14,200 B	NS	NS	
Manganese (EPA Method 6010B)			.18 B	NS	NS	
Nitrate as N (EPA Method 9056)	10,000	3,000	3,400	NS	NS	
Chemical Oxygen Demand (EPA Method 410.4)	NS	8,100J	82,000 B	NS	NS	
Total Organic Carbon (EPA Method 9060A)	NS	1,800	1,200	NS	NS	

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Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-11		2019 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	NS*	NS	NS	
1,1,2,2-Tetrachloroethane	5	ND	NS *	NS	NS	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS	NS	
1,1,2-TrichloroethaneD	1	ND	NS*	NS	NS	
1,1-DichloroethaneND	5	ND	NS*	NS	NS	
1,1-DichloroetheneND	5	ND	NS*	NS	NS	
1,2, 4-TrichlorobenzenNDe	5	ND	NS*	NS	NS	
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS	NS	
1,2-Dibromoethane		ND	NS*	NS	NS	
1,2-Dichlorobenzene	3	ND	NS*	NS	NS	
1,2-Dichloroethane	0.06	ND	NS*	NS	NS	
1,2 -Dichloropropane	1	ND	NS*	NS	NS	
1,3 Dichlorobenzene	3	ND	NS*	NS	NS	
1,4-Dichlorobenzene	3	ND	NS*	NS	NS	
2-Butanone (MEK))	50	ND	NS*	NS	NS	
2-Hexanone		ND	NS*	NS	NS	
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS	NS	
Acetone	50	ND	NS*	NS	NS	
Benzene	1	ND	NS*	NS	NS	
Bromodichloromethane	50	ND	NS*	NS	NS	
Bromoform	50	ND	NS*	NS	NS	
Bromomethane	5	ND	NS*	NS	NS	
Carbon disulfide		ND	NS*	NS	NS	
Carbon tetrachloride	5	ND	NS*	NS	NS	
Chlorobenzene	5	ND	NS*	NS	NS	
Chloroethane	5	ND	NS*	NS	NS	
Chloroform	7	ND	NS*	NS	NS	
Chloromethane		ND	NS*	NS	NS	
cis-1,2-Dichloroethene	5	1.5	NS*	NS	NS	
cis-1,3-Dichloropropene	0.4	ND	NS*	NS	NS	
Cyclohexane		ND	NS*	NS	NS	
Dibromochloromethane		ND	NS*	NS	NS	
Dichlorodifluoromethane	5	ND	NS*	NS	NS	
Ethylbenzene	5	ND	NS*	NS	NS	
Isoproylbenzene	5	ND	NS*	NS	NS	
Methyl acetate		ND	NS*	NS	NS	
Methyl tert-butyl ether	10	ND	NS*	NS	NS	
Methylcyclohexane		ND	NS*	NS	NS	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

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

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1st QTR 3/21/19	2nd QTR 6/20/19	3rd QTR 9/20/19	4th QTR
Iron (EPA Method 6010B)	300	2,7800	NS*	NS	NS	
Manganese (EPA Method 6010B)		193	NS*	NS	NS	
Nitrate as N (EPA Method 9056)	10,000	ND	NS*	NS	NS	
Chemical Oxygen Demand (EPA Method 410.4)	NS	22,000	NS*	NS	NS	
Total Organic Carbon (EPA Method 9060A)	NS	1,600	NS*	NS	NS	

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Analytes: VOC's EPA Method 8260B	WELL MW05-21		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5		ND	NS	ND	
1,1,2,2-Tetrachloroethane	5		ND	NS	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	NS	ND	
1,1,2-Trichloroethane	1		ND	NS	ND	
1,1-Dichloroethane	5		ND	NS	ND	
1,1-Dichloroethene	5		ND	NS	ND	
1,2, 4-Trichlorobenzene	5		ND	NS	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	NS	ND	
1,2-Dibromoethane			ND	NS	ND	
1,2-Dichlorobenzene	3		ND	NS	ND	
1,2-Dichloroethane	0.06		ND	NS	ND	
1,2 -Dichloropropane	1		ND	NS	ND	
1,3 Dichlorobenzene	3		ND	NS	ND	
1,4-Dichlorobenzene	3		ND	NS	ND	
2-Butanone (MEK))	50		ND	NS	ND	
2-Hexanone			ND	NS	ND	
4-Methyl-2-pentanone (MIBK)			ND	NS	ND	
Acetone	50		3.6 J	NS	ND	
Benzene	1		ND	NS	ND	
Bromodichloromethane	50		ND	NS	ND	
Bromoform	50		ND	NS	ND	
Bromomethane	5		ND	NS	ND	
Carbon disulfide			ND	NS	ND	
Carbon tetrachloride	5		ND	NS	ND	
Chlorobenzene	5		ND	NS	ND	
Chloroethane	5		ND	NS	ND	
Chloroform	7		ND	NS	ND	
Chloromethane			ND	NS	ND	
cis-1,2-Dichloroethene	5		ND	NS	ND	
cis-1,3-Dichloropropene	0.4		ND	NS	ND	
Cyclohexane			ND	NS	ND	
Dibromochloromethane			ND	NS	ND	
Dichlorodifluoromethane	5		ND	NS	ND	
Ethylbenzene	5		ND	NS	ND	
Isoproylbenzene	5		ND	NS	ND	
Methyl acetate			ND	NS	ND	
Methyl tert-butyl ether	10		ND	NS	ND	
Methylcyclohexane			ND	NS	ND	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5		ND	NS	ND	
Styrene	5		ND	NS	ND	
Tetrachloroethene	5		3.2	NS	10	
Toluene	5		ND	NS	ND	
trans-1,2-Dichloroethene	5		ND	NS	ND	
Trans-1,3-Dichloropropene	0.4		ND	NS	ND	
Trichloroethene	5		0.79 J	NS	1.2	
Trichlorofluoromethane	5		ND	NS	ND	
Vinyl chloride	2		ND	NS	ND	
Xylenes, Total	5		ND	NS	ND	

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1st QTR 3/21/19	2nd QTR 6/20/19	3rd QTR 9/20/19	4th QTR
Iron (EPA Method 6010B)	300		260 B	NS	1,000	
Manganese (EPA Method 6010B)			200 B	NS	610 B	
Nitrate as N (EPA Method 9056)	10,000		95,500	NS	106,000	
Chemical Oxygen Demand (EPA Method 410.4)	NS		48,500 B	NS	29,000	
Total Organic Carbon (EPA Method 9060A)	NS		6,300	NS	7,900	

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 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OB09-36		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	ND	NS	ND	
1,1,2,2-Tetrachloroethane	5	ND	ND	NS	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	NS	ND	
1,1,2-Trichloroethane	1	ND	ND	NS	ND	
1,1-Dichloroethane	5	ND	ND	NS	ND	
1,1-Dichloroethene	5	ND	ND	NS	ND	
1,2, 4-Trichlorobenzene	5		ND	NS	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	NS	ND	
1,2-Dibromoethane			ND	NS	ND	
1,2-Dichlorobenzene	3		ND	NS	ND	
1,2-Dichloroethane	0.6	ND	ND	NS	ND	
1,2 -Dichloropropane	1	ND	ND	NS	ND	
1,3-Dichlorobenzene	3		ND	NS	ND	
1,4-Dichlorobenzene	3		ND	NS	ND	
2-Butanone (MEK))	50	ND	ND	NS	ND	
2-Hexanone			ND	NS	ND	
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	NS	ND	
Acetone	50	ND	ND	NS	ND	
Benzene	1	ND	ND	NS	ND	
Bromodichloromethane	50	ND	ND	NS	ND	
Bromoform	50	ND	ND	NS	ND	
Bromomethane	5	ND	ND	NS	ND	
Carbon disulfide			ND	NS	ND	
Carbon tetrachloride	5	ND	ND	NS	ND	
Chlorobenzene	5	ND	ND	NS	ND	
Chloroethane	5	ND	ND	NS	ND	
Chloroform	7	ND	ND	NS	ND	
Chloromethane		ND	ND	NS	ND	
cis-1,2-Dichloroethene	5	12	ND	NS	ND	
cis-1,3-Dichloropropene	0.4	ND	ND	NS	ND	
Cyclohexane			ND	NS	ND	
Dibromochloromethane			ND	NS	ND	
Dichlorodifluoromethane	5		ND	NS	ND	
Ethylbenzene	5	ND	ND	NS	ND	
Isopropylbenzene	5		ND	NS	ND	
Methyl acetate			ND	NS	ND	
Methyl tert-butyl ether	10		ND	NS	ND	
Methylcyclohexane			ND	NS	ND	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	3.2 J	ND	NS	ND	
Styrene	5	ND	ND	NS	ND	
Tetrachloroethene	5	ND	ND	NS	ND	
Toluene	5	ND	ND	NS	ND	
trans-1,2-Dichloroethene	5	ND	ND	NS	ND	
trans-1,3-Dichloropropene	0.4	ND	ND	NS	ND	
Trichloroethene	5	149	15	NS	16	
Trichlorofluoromethane	5		ND	NS	ND	
Vinyl chloride	2	ND	ND	NS	ND	
Xylenes, Total	5	ND	ND	NS	ND	

Other Analytes	GW Std (ug/L)	Pre- ISCO	1st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	1,610	290 B	NS	690	
Manganese (EPA Method 6010B)			33 B	NS	60 B	
Nitrate as N (EPA Method 9056)	10,000	440	3,500	NS	3,600	
Chemical Oxygen Demand (EPA Method 410.4)	NS	5,800	8,400 J B	NS	17,800	
Total Organic Carbon (EPA Method 9060A)	NS	ND	990 J	NS	1,000	

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 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OB09-38		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	ND	NS	ND	
1,1,2,2-Tetrachloroethane	5	ND	ND	NS	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND	NS	ND	
1,1,2-Trichloroethane	1	ND	ND	NS	ND	
1,1-Dichloroethane	5	ND	ND	NS	ND	
1,1-Dichloroethene	5	ND	ND	NS	ND	
1,2, 4-Trichlorobenzene	5		ND	NS	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	NS	ND	
1,2-Dibromoethane			ND	NS	ND	
1,2-Dichlorobenzene	3		ND	NS	ND	
1,2-Dichloroethane	0.6	ND	ND	NS	ND	
1,2 -Dichloropropane	1	ND	ND	NS	ND	
1,3-Dichlorobenzene	3		ND	NS	ND	
1,4-Dichlorobenzene	3		ND	NS	ND	
2-Butanone (MEK))	50		ND	NS	ND	
2-Hexanone			ND	NS	ND	
4-Methyl-2-pentanone (MIBK)		ND	ND	NS	ND	
Acetone	50	ND	ND	NS	ND	
Benzene	1	ND	ND	NS	ND	
Bromodichloromethane	50	ND	ND	NS	ND	
Bromoform	50	ND	ND	NS	ND	
Bromomethane	5	ND	ND	NS	ND	
Carbon disulfide			ND	NS	ND	
Carbon tetrachloride	5	ND	ND	NS	ND	
Chlorobenzene	5	ND	ND	NS	ND	
Chloroethane	5	ND	ND	NS	ND	
Chloroform	7	ND	ND	NS	ND	
Chloromethane			ND	NS	ND	
cis-1,2-Dichloroethene	5	8	9.7	NS	24	
Cis-1,3-Dichloropropene	0.4	ND	ND	NS	ND	
Cyclohexane			ND	NS	ND	
Dibromochloromethane			ND	NS	ND	
Dichlorodifluoromethane	5		ND	NS	ND	
Ethylbenzene	5	ND	ND	NS	ND	
Isopropylbenzene	5		ND	NS	ND	
Methyl acetate			ND	NS	ND	
Methyl tert-butyl ether	10		ND	NS	ND	
Methylcyclohexane			ND	NS	ND	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	ND	ND	NS	ND	
Styrene	5	ND	ND	NS	ND	
Tetrachloroethene	5	ND	ND	NS	ND	
Toluene	5	ND	ND	NS	ND	
trans-1,2-Dichloroethene	5	ND	ND	NS	ND	
trans-1,3-Dichloropropene	0.4	ND	ND	NS	ND	
Trichloroethene	5	49	11	NS	32	
Trichlorofluoromethane	5		ND	NS	ND	
Vinyl chloride	2	ND	ND	NS	ND	
Xylenes, Total	5	ND	ND	NS	ND	

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	38,700	5,800	NS	6,700	
Manganese (EPA Method 6010B)			290 B	NS	360 B	
Nitrate as N (EPA Method 9056)	10,000	94	140 H	NS	140	
Chemical Oxygen Demand (EPA Method 410.4)		3,900	14,100 B	NS	22,900	
Total Organic Carbon (EPA Method 9060A)	NS	ND	930 J	NS	820 J	

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

H-Sample was prepped or analyzed beyond the specified holding time

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 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW1-1		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
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	
1,1,2-Trichloroethane	1	ND	ND	ND	ND	
1,1-Dichloroethane	5	ND	ND	ND	ND	
1,1-Dichloroethene	5	ND	ND	.45 J	ND	
1,2, 4-Trichlorobenzene	5		ND	ND	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	
1,2-Dibromoethane			ND	ND	ND	
1,2-Dichlorobenzene	3		ND	ND	ND	
1,2-Dichloroethane	0.06	ND	ND	ND	ND	
1,2 -Dichloropropane	1	ND	ND	ND	ND	
1,3-Dichlorobenzene	3		ND	ND	ND	
1,4-Dichlorobenzene	3		ND	ND	ND	
2-Butanone (MEK))	50	ND	ND	ND	ND	
2-Hexanone			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	
Carbon tetrachloride	5	ND	ND	ND	ND	
Chlorobenzene	5	ND	ND	ND	ND	
Chloroethane	5	ND	ND	ND	ND	
Chloroform	7	ND	ND	.34 J	ND	
Chloromethane		ND	ND	ND	ND	
cis-1,2-Dichloroethene	5	470	10	15	890	
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	
Cyclohexane			ND	ND	ND	
Dibromochloromethane			ND	ND	ND	
Dichlorodifluoromethane	5		ND	ND	ND	
Ethylbenzene	5	ND	ND	ND	ND	
Isoproylbenzene	5		ND	ND	ND	
Methyl acetate			ND	ND	ND	
Methyl tert-butyl ether	10		ND	ND	ND	
Methylcyclohexane			ND	ND	ND	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	<i>170 J</i>	ND	ND	ND	
Styrene	5	ND	ND	ND	ND	
Tetrachloroethene	5	34	2.5 J	6.1	ND	
Toluene	5	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5	ND	ND	.65 J	ND	
trans-1,3-Dichloropropene	0.4		ND	ND	ND	
Trichloroethene	5	2700	180 F 1	270	2,400	
Trichlorofluoromethane	5		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 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	751	620 B	520	13,100	
Manganese (EPA Method 6010B)			30 B	32.5	3,600 B	
Nitrate as N (EPA Method 9056)	10,000	1,900	4,400	3,900	2,400	
Chemical Oxygen Demand (EPA Method 410.4)	NS	5,600J	87,000B	5,600 J	40,300	
Total Organic Carbon (EPA Method)	NS	ND	850 J	1,500	1,600	

All values reported as ug/L

ND-Analyzed for but NOT DETECTED

F-1 -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)

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

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW1-2		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	WD	WD	WD	
1,1,2,2-Tetrachloroethane	5	ND	WD	WD	WD	
1,1,2-Trichloro-1,2,2-trifluoroethane	5		WD	WD	WD	
1,1,2-Trichloroethane	1	ND	WD	WD	WD	
1,1-Dichloroethane	5	ND	WD	WD	WD	
1,1-Dichloroethene	5	ND	WD	WD	WD	
1,2, 4-Trichlorobenzene	5		WD	WD	WD	
1,2-Dibromo-3-Chloropropane	0.04		WD	WD	WD	
1,2-Dibromoethane			WD	WD	WD	
1,2-Dichlorobenzene	3		WD	WD	WD	
1,2-Dichloroethane	0.06	ND	WD	WD	WD	
1,2 -Dichloropropane	1	ND	WD	WD	WD	
1,3-Dichlorobenzene	3		WD	WD	WD	
1,4-Dichlorobenzene	3		WD	WD	WD	
2-Butanone (MEK)	50	ND	WD	WD	WD	
2-Hexanone			WD	WD	WD	
4-Methyl-2-pentanone (MIBK)		ND	WD	WD	WD	
Acetone	50	ND	WD	WD	WD	
Benzene	1	ND	WD	WD	WD	
Bromodichloromethane	50	ND	WD	WD	WD	
Bromoform	50	ND	WD	WD	WD	
Bromomethane	5	ND	WD	WD	WD	
Carbon disulfide			WD	WD	WD	
Carbon tetrachloride	5	ND	WD	WD	WD	
Chlorobenzene	5	ND	WD	WD	WD	
Chloroethane	5	ND	WD	WD	WD	
Chloroform	7		WD	WD	WD	
Chloromethane		ND	WD	WD	WD	
cis-1,2-Dichloroethene	5	4,800	WD	WD	WD	
cis-1,3-Dichloropropene	0.4	ND	WD	WD	WD	
Cyclohexane			WD	WD	WD	
Dibromochloromethane			WD	WD	WD	
Dichlorodifluoromethane	5		WD	WD	WD	
Ethylbenzene	5	ND	WD	WD	WD	
Isopropylbenzene	5		WD	WD	WD	
Methyl acetate			WD	WD	WD	
Methyl tert-butyl ether	10		WD	WD	WD	
Methylcyclohexane			WD	WD	WD	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

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

Analyte: SVOC EPA Method: 8270C	GW Std (ug/l)	Pre-ISCO	1 st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
2,4,5-Trichlorophenol			WD	WD	WD	
2,4,6-Trichlorophenol		ND	WD	WD	WD	
2,4-Dichlorophenol	5	ND	WD	WD	WD	
2,4-Dimethylphenol	10	ND	WD	WD	WD	
2,4-Dinitrotoluene	5	ND	WD	WD	WD	
2,6-Dinitrotoluene	5	ND	WD	WD	WD	
2-Chloronaphthalene	10	ND	WD	WD	WD	
2-Chlorophenol		ND	WD	WD	WD	
2-Methylnaphthalene			WD	WD	WD	
2-Methylphenol			WD	WD	WD	
2-Nitrophenol		ND	WD	WD	WD	
3,3-Dichlorobenzidine	5	ND	WD	WD	WD	
3-Nitroaniline			WD	WD	WD	
4,6-Dinitro-2-methylphenol		ND	WD	WD	WD	
4-Bromophenyl phenyl ether		ND	WD	WD	WD	
4-Chloro-3-methylphenol		ND	WD	WD	WD	
4-Chloroaniline			WD	WD	WD	
4-Chlorophenyl phenyl ether		ND	WD	WD	WD	
4-Methylphenol			WD	WD	WD	
4-Nitroaniline			WD	WD	WD	
4-Nitrophenol		ND	WD	WD	WD	
Acenaphthene	20	ND	WD	WD	WD	
Acenaphthylene		ND	WD	WD	WD	
Acetophenone			WD	WD	WD	
Anthracene	50	460 J	WD	WD	WD	
Atrazine			WD	WD	WD	
Benzaldehyde			WD	WD	WD	
Benzo(a)anthracene	0.00	2,200	WD	WD	WD	
Benzo(a)pyrene		2,100	WD	WD	WD	
Benzo(b)fluoranthene	0.002	3,300	WD	WD	WD	
Benzo(g,h)perylene		3,000	WD	WD	WD	
Benzo(k)fluoranthene	0.002	1,300	WD	WD	WD	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

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

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	1,060	WD	WD	WD	
Manganese (Method 6010B)			WD	WD	WD	
Nitrate as N (EPA Method 9056)	10,000	7,400	WD	WD	WD	
Chemical Oxygen Demand (EPA Method 410.4)		23,000	WD	WD	WD	
Total Organic Carbon (EPA Method 9060A)	10,000	ND	WD	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 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW1-3		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	WD	WD	WD	
1,1,2,2-Tetrachloroethane	5	ND	WD	WD	WD	
1,1,2-Trichloro-1,2,2 trifluoroethane	5		WD	WD	WD	
1,1,2-Trichloroethane	1	ND	WD	WD	WD	
1,1-Dichloroethane	5		WD	WD	WD	
1,1-Dichloroethene	5	ND	WD	WD	WD	
1,2, 4-Trichlorobenzene	5		WD	WD	WD	
1,2-Dibromo-3-Chloropropane	0.04	ND	WD	WD	WD	
1,2-Dibromoethane			WD	WD	WD	
1,2-Dichlorobenzene	3		WD	WD	WD	
1,2-Dichloroethane	0.06	ND	WD	WD	WD	
1,2 -Dichloropropane	1	ND	WD	WD	WD	
1,3-Dichlorobenzene	3		WD	WD	WD	
1,4-Dichlorobenzene	3		WD	WD	WD	
2-Butanone (MEK))	50	ND	WD	WD	WD	
2-Hexanone			WD	WD	WD	
4-Methyl-2-pentanone (MIBK)		ND	WD	WD	WD	
Acetone	50	ND	WD	WD	WD	
Benzene	1	ND	WD	WD	WD	
Bromodichloromethane	50	ND	WD	WD	WD	
Bromoform	50	ND	WD	WD	WD	
Bromomethane	5	ND	WD	WD	WD	
Carbon disulfide			WD	WD	WD	
Carbon tetrachloride	5	ND	WD	WD	WD	
Chlorobenzene	5	ND	WD	WD	WD	
Chloroethane	5	ND	WD	WD	WD	
Chloroform	7	ND	WD	WD	WD	
Chloromethane		ND	WD	WD	WD	
cis-1,2-Dichloroethene	5	190 J	WD	WD	WD	
Cis-1,3-Dichloropropene	0.4	ND	WD	WD	WD	
Cyclohexane			WD	WD	WD	
Dibromochloromethane			WD	WD	WD	
Dichlorodifluoromethane	5		WD	WD	WD	
Ethylbenzene	5	ND	WD	WD	WD	
Isopropylbenzene	5		WD	WD	WD	
Methyl acetate			WD	WD	WD	
Methyl tert-butyl ether	10		WD	WD	WD	
Methylcyclohexane			WD	WD	WD	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

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

Other Analytes	GW Std (ug/L)	<i>Pre- ISCO</i>	1st QTR 3/21/19	2nd QTR 6/20/19	3rd QTR 9/19/20	4th QTR
Iron (EPA Method 6010B)	300	227 J	WD	WD	WD	
Manganese (EPA Method 6010B)			WD	WD	WD	
Nitrate as N (EPA Method 9056)	10,000	780	WD	WD	WD	
Chemical Oxygen Demand (EPA Method 410.4)		3,700 J	WD	WD	WD	
Total Organic Carbon (EPA Method 9060A)	NS	ND	WD	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)

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW1-4		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	ND	1.0	NS	
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	NS	
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	NS	
1,1,2-Trichloroethane	1		ND	ND	NS	
1,1-Dichloroethane	5	ND	ND	ND	NS	
1,1-Dichloroethene	5	ND	ND	.38 J	NS	
1,2, 4-Trichlorobenzene	5		ND	ND	NS	
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	NS	
1,2-Dibromoethane			ND	ND	NS	
1,2-Dichlorobenzene	3		ND	ND	NS	
1,2-Dichloroethane	0.06	ND	ND	ND	NS	
1,2 -Dichloropropane	1	ND	ND	ND	NS	
1,3-Dichlorobenzene	3		ND	ND	NS	
1,4-Dichlorobenzene	3		ND	ND	NS	
2-Butanone (MEK))	50	ND	ND	ND	NS	
2-Hexanone			ND	ND	NS	
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	NS	
Acetone	50	ND	ND	ND	NS	
Benzene	1	ND	ND	ND	NS	
Bromodichloromethane	50	ND	ND	ND	NS	
Bromoform	50	ND	ND	ND	NS	
Bromomethane	5	ND	ND	ND	NS	
Carbon disulfide			ND	ND	NS	
Carbon tetrachloride	5	ND	ND	ND	NS	
Chlorobenzene	5	ND	ND	ND	NS	
Chloroethane	5	ND	ND	ND	NS	
Chloroform	7	ND	ND	ND	NS	
Chloromethane		ND	ND	ND	NS	
cis-1,2-Dichloroethene	5	13 J	7.5	12	NS	
cis-1,3-Dichloropropene	0.4		ND	ND	NS	
Cyclohexane			ND	ND	NS	
Dibromochloromethane			ND	ND	NS	
Dichlorodifluoromethane	5		ND	ND	NS	
Ethylbenzene	5	ND	ND	ND	NS	
Isopropylbenzene	5		ND	ND	NS	
Methyl acetate			ND	ND	NS	
Methyl tert-butyl ether	10		ND	ND	NS	
Methylcyclohexane			ND	ND	NS	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	12 J	ND	ND	NS	
Styrene	5	ND	ND	ND	NS	
Tetrachloroethene	5	ND	2.6 J	1.9	NS	
Toluene	5	ND	ND	ND	NS	
trans-1,2-Dichloroethene	5	ND	ND	.25 J	NS	
trans-1,3-Dichloropropene	0.4	ND	ND	ND	NS	
Trichloroethene	5	320	210	230	NS	
Trichlorofluoromethane	5		ND	ND	NS	
Vinyl chloride	2	ND	ND	ND	NS	
Xylenes, Total	5	ND	ND	ND	NS	

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	209 J	1,200 B	4,310	NS	
Manganese (EPA Method 6010B)			72 B	371	NS	
Nitrate as N (EPA Method 9056)	10,000	3,000	3,200	1,700	NS	
Chemical Oxygen Demand (EPA Method 410.4)		ND	16,100 J	65,100	NS	
Total Organic Carbon (EPA Method 9060A)	NS	ND	1,200	2,400	NS	

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 2019 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW2-2		2019 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	ND	NS	ND	
1,1,2,2-Tetrachloroethane	5	ND	ND	NS	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND	NS	ND	
1,1,2-Trichloroethane	1	ND	ND	NS	ND	
1,1-Dichloroethane	5	ND	ND	NS	ND	
1,1-Dichloroethene	5	ND	ND	NS	ND	
1,2, 4-Trichlorobenzene	5	ND	ND	NS	ND	
1,2-Dibromo-3-Chloropropane	0.04	ND	ND	NS	ND	
1,2-Dibromoethane		ND	ND	NS	ND	
1,2-Dichlorobenzene	3	ND	ND	NS	ND	
1,2-Dichloroethane	0.6	ND	ND	NS	ND	
1,2 -Dichloropropane	1	ND	ND	NS	ND	
1,3-Dichlorobenzene	3	ND	ND	NS	ND	
1,4-Dichlorobenzene	3	ND	ND	NS	ND	
2-Butanone (MEK))	50	ND	ND	NS	ND	
2-Hexanone		ND	ND	NS	ND	
4-Methyl-2-pentanone (MIBK)		ND	ND	NS	ND	
Acetone	50	ND	ND	NS	ND	
Benzene	1	ND	ND	NS	ND	
Bromodichloromethane	50	ND	ND	NS	ND	
Bromoform	50	ND	ND	NS	ND	
Bromomethane	5	ND	ND	NS	ND	
Carbon disulfide		ND	ND	NS	ND	
Carbon tetrachloride	5	ND	ND	NS	ND	
Chlorobenzene	5	ND	ND	NS	ND	
Chloroethane	5	ND	ND	NS	ND	
Chloroform	7	ND	ND	NS	ND	
Chloromethane		ND	ND	NS	ND	
cis-1,2-Dichloroethene	5	140	ND	NS	ND	
Cis-1,3-Dichloropropene	0.4	ND	ND	NS	ND	
Cyclohexane		ND	ND	NS	ND	
Dibromochloromethane		ND	ND	NS	ND	
Dichlorodifluoromethane	5	ND	ND	NS	ND	
Ethylbenzene	5	ND	ND	NS	ND	
Isopropylbenzene	5	ND	ND	NS	ND	
Methyl acetate		ND	ND	NS	ND	
Methyl tert-butyl ether	10	ND	ND	NS	ND	
Methylcyclohexane		ND	ND	NS	ND	

Table 3 - Pass & Seymour 2019 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	20 JB	ND	NS	ND	
Styrene	5	ND	ND	NS	ND	
Tetrachloroethene	5	ND	ND	NS	ND	
Toluene	5	ND	ND	NS	ND	
trans-1,2-Dichloroethene	5	ND	ND	NS	ND	
trans-1,3-Dichloropropene	0.4	ND	ND	NS	ND	
Trichloroethene	5	1200	3.6	NS	2.7	
Trichlorofluoromethane	5	ND	ND	NS	ND	
Vinyl chloride	2	ND	ND	NS	ND	
Xylenes, Total	5	ND	ND	NS	ND	

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/21/19	2 nd QTR 6/20/19	3 rd QTR 9/20/19	4 th QTR
Iron (EPA Method 6010B)	300	239,000	310 B	NS	3,000	
Manganese (EPA Method 6010B)		3,640	100 B	NS	660 B	
Nitrate as N (EPA Method 9056)	10,000	210	2,100	NS	1,400	
Chemical Oxygen Demand (EPA Method 410.4)		193,000	23,400 B	NS	31,600	
Total Organic Carbon (EPA Method 9060A)		ND	1,300	NS	1,400	

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: BR07-31

Field Personnel: TDK/RF

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-19-19 Purple
9-20-19 1030 Sample

Method of Sampling: Baller

Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 20.00

Water Depth (from top of PVC): 9.73

Length of water Column: 10.27

Purge Volume: LWC x 0.17 x 3 = 5.2377

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)
<u>1030</u>	<u>15.65</u>	<u>5.86</u>	<u>2630</u>	<u>7.82</u>	<u>124.8</u>	<u>3.14</u>

Salinity
PPT
1.37

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: YSI 556

Turbidity 1.0 Serial #: rented + calibrated

Turbidity 10.0 Serial #: by PINE ENV.

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 70's

COMMENTS AND OBSERVATIONS:

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

Date: 9/20/19

By: TDK/RF

Company: EuroFins TA

FIELD OBSERVATIONS

Facility: Pass + Seymour

Sample Point ID: R208-34

Field Personnel: TDC / RE

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-19-19 Purge
9-20-19 1115 Sample

Method of Sampling: Baller Dedicated: (YES)

Diameter of Well: 2"

Well Depth (from top of PVC): 43.00

Water Depth (from top of PVC): 11.44

Length of water Column: 31.56

Purge Volume: LWC x 0.17 x 3 = 16.0956

Volume Purged 16 gallons

Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1115	12.08	7.37	4503	15.1	136.6	6.90

Salinity
PPT
2.42

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 70's

COMMENTS AND OBSERVATIONS:

Bailed dry @ 16 gallons

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

Date: 9/20/19

By: TDC / RE

Company: EnviroFins, Inc.

FIELD OBSERVATIONS

Facility: Pass + Seymour

Sample Point ID: BR09-37

Field Personnel: TDK / RE

Sample Matrix: low

SAMPLING INFORMATION:

Date/Time: 9-19-19 PURSA
9-20-19 13:20

Method of Sampling: Baller Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 24.50

Water Depth (from top of PVC): 20.04

Length of water Column: 4.46

Purge Volume: LWC x 0.17 x 3 = 2.3746

Volume Purged 1.5 gallons

Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>13:20</u>	<u>15.26</u>	<u>7.61</u>	<u>1802</u>	<u>11.2</u>	<u>104.2</u>	<u>5.88</u>

Salinity
0.92

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 70's

COMMENTS AND OBSERVATIONS: dry @ 1.5 gallons.

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

Date: 9/20/19 By: TDK / RE Company: EUROFINS TA

FIELD OBSERVATIONS

Facility: PASS + Seymour Sample Point ID: BR09-39
 Field Personnel: YOLC JRE Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-19-19 Purse
9-20-19 1310 Sample.

Method of Sampling: Ballor Dedicated: (YES)

Diameter of Well: 2"
 Well Depth (from top of PVC): 32.00
 Water Depth (from top of PVC): 20.42
 Length of water Column: 11.58
 Purge Volume: LWC x 0.17 x 3 = 5.0958 Volume Purged 5 Gallons

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>16.50</u>	<u>7.67</u>	<u>1711</u>	<u>13.7</u>	<u>102.7</u>	<u>5.22</u>

Salinity
POT
0.87

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 70's

COMMENTS AND OBSERVATIONS:

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

Date: 9/20/19 By: YOLC JRE Company: EUROFINS TA

FIELD OBSERVATIONS

Facility: Pass + Seymour

Sample Point ID: BR10-46

Field Personnel: TDK/RE

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time

9-19-14 Purse
9-20-14 1250 Sample.

Method of Sampling:

Baller

Dedicated:

YES

Diameter of Well

2"

Well Depth (from top of PVC)

27.30

Water Depth (from top of PVC)

14.47

Length of water Column

13.33

Purge Volume: LWC x 0.17 x 3=

6.7983

Volume Purged 7 Gallons

Methane Reading

NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>12:50</u>	<u>16.27</u>	<u>7.39</u>	<u>2817</u>	<u>20.6</u>	<u>116.5</u>	<u>3.84</u>

Salinity
ppt.
1.47

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 70's

COMMENTS AND OBSERVATIONS:

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

Date: 9/20/14

By: TDK/RE

Company: EuroFins Ltd.

FIELD OBSERVATIONS

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

SAMPLING INFORMATION:

Date/Time: 9-19-19 Purge
9-20-19 1240 Sample

Method of Sampling: Ball Dedicated: YES

Diameter of Well: 2"
 Well Depth (from top of PVC): 28.40
 Water Depth (from top of PVC): 14.47
 Length of water Column: 13.53
 Purge Volume: LWC x 0.17 x 3 = 6.9003 Volume Purged 7 Gallons

Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>1240</u>	<u>15.55</u>	<u>7.55</u>	<u>1487</u>	<u>21.6</u>	<u>99.6</u>	<u>5.18</u>

Salinity
PPT
0.75

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 70°

COMMENTS AND OBSERVATIONS:

Water has some color

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

Date: 9/20/19 By: TDL/RE Company: EUROFINS TA

FIELD OBSERVATIONS

Facility: Pass + Seymours Sample Point ID: IWR-1
 Field Personnel: TDIC/RF Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-19-19 Purse
9-20-19 11:10 Sample
 Method of Sampling: Ballor Dedicated: YES
 Diameter of Well: 4"
 Well Depth (from top of PVC): 35.80
 Water Depth (from top of PVC): 19.70
 Length of water Column: 16.10
 Purge Volume: LWC x 0.17 x 3 = 31.878 Volume Purged 32 gallons
 Methane Reading 0.66 NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
12:19:	15.44	7.44	2414	14.5	101.6	4.78

Salinity
PPT
1.25

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 70's

COMMENTS AND OBSERVATIONS:

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

Date: 9/20/19 By: TDIC / RF Company: EnviroSense, Inc.

FIELD OBSERVATIONS

Facility: Pass + Seymour

Sample Point ID: Iw2-3

Field Personnel: TDK/RE

Sample Matrix: Gw

SAMPLING INFORMATION:

Date/Time

9-19-19 Purse
9-20-19 1145 Sample

Method of Sampling:

Bailer

Dedicated:

YES

Diameter of Well

4"

Well Depth (from top of PVC)

35.61

Water Depth (from top of PVC)

19.00

Length of water Column

17.61

Purge Volume: LWC x 0.17 x 3 =

35 gallons

Volume Purged

35 gallons

Methane Reading

0.66

NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>1145</u>	<u>15.60</u>	<u>7.65</u>	<u>1541</u>	<u>21.2</u>	<u>106.3</u>	<u>4.93</u>

Salinity
PPT
0.78

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 60°

COMMENTS AND OBSERVATIONS:

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

Date:

9/20/19

By:

TDK/RE

Company:

EnviroFAS TA

FIELD OBSERVATIONS

Facility: Pass + Seymour Sample Point ID: MW05-21
 Field Personnel: TDK / RE Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-19-14 Purple
9-20-14 1040
 Method of Sampling: Ballor Dedicated: YES
 Diameter of Well: 2"
 Well Depth (from top of PVC): 12.00
 Water Depth (from top of PVC): 5.26
 Length of water Column: 6.74
 Purge Volume: LWC x 0.17 x 3= 3.43 Volume Purged: 4
 Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1040	15.14	6.84	1957	20.0	113.1	3.52

Salinity
PPT
1.00

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 70's

COMMENTS AND OBSERVATIONS: Dry @ 4 gallon

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

Date: 9/20/14 By: TDK / RE Company: EnviroNet

(2)

FIELD OBSERVATIONS

Facility: Pass + Seymour Sample Point ID: OB09-36
 Field Personnel: TDK / RF Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-19-14 Purse
9-20-14 1200 Sample.
 Method of Sampling: Baller Dedicated: YES
 Diameter of Well: 2"
 Well Depth (from top of PVC): 34.70
 Water Depth (from top of PVC): 16.02
 Length of water Column: 18.68
 Purge Volume: LWC x 0.17 x 3 = 9.5268 Volume Purged: 9.5 gallons.
 Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>1200:</u>	<u>15.94</u>	<u>7.43</u>	<u>2909</u>	<u>10.17</u>	<u>114.2</u>	<u>3.96</u>

Salinity
1.56
 Ppt.

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 _____ @ _____

See page 1

Weather conditions @ time of sampling: Sunny 70's

COMMENTS AND OBSERVATIONS:

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

Date: 9/20/14 By: TDK / RF Company: EuroFins TA

FIELD OBSERVATIONS

Facility: Pass + Seymour

Sample Point ID: OB09-38

Field Personnel: TOX / RE

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-19-19 Purse
9-20-19 Sample 2 1230

Method of Sampling: Baller Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 33.20

Water Depth (from top of PVC): 17.90

Length of water Column: 15.30

Purge Volume: LWC x 0.17 x 3 = 7.803

Volume Purged 8 gallons

Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1230	15.06	7.60	2168	75.6	101.4	4.51

Salinity
ppt
1.11

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 70°

COMMENTS AND OBSERVATIONS: * collect dissolved metals

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

Date: 9/20/19

By: TOX / RE

Company: EUREKA TA

FIELD OBSERVATIONS

Facility: Pass + Seymour

Sample Point ID: OW1-1

Field Personnel: TOLC / RE

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-19-19 Purge
9-20-19 1130

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 23.40

Water Depth (from top of PVC): 18.50

Length of water Column: 4.90

Purge Volume: LWC x 0.17 x 3 = 2.499

Volume Purged: 1 Gallon

Methane Reading:

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>1130</u>	<u>15.30</u>	<u>7.44</u>	<u>2932</u>	<u>28.0</u>	<u>115.9</u>	<u>7.82</u>

Salinity
PPT
1.53

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 60's

COMMENTS AND OBSERVATIONS: Water has dark color.

Purges: dry @ 1 gallon

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

Date: 9/20/19

By: TOLC / RE

Company: EnviroFAS, Inc.

FIELD OBSERVATIONS

Facility: Pass + Seymour Sample Point ID: OW3-02
 Field Personnel: TDK/RE Sample Matrix: low

SAMPLING INFORMATION:

Date/Time: 9-19-19 Purse
9-20-19 1220 Sample
 Method of Sampling: Baller Dedicated: YES
 Diameter of Well: 2"
 Well Depth (from top of PVC): 33.00
 Water Depth (from top of PVC): 17.53
 Length of water Column: 15.47
 Purge Volume: LWC x 0.17 x 3 = 7.8897 Volume Purged: 8 gallons
 Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>1220</u>	<u>13.97</u>	<u>7.60</u>	<u>1890</u>	<u>28.1</u>	<u>162.6</u>	<u>4.22</u>

Sat. PPT
0.98

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 70's

COMMENTS AND OBSERVATIONS:

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

Date: 9/20/19 By: TDK/RE Company: Euro Fin's TA

FIELD OBSERVATIONS

Facility: Pass + Seymour

Sample Point ID: BR08-33

Field Personnel: TOK / RF

Sample Matrix: CSW

SAMPLING INFORMATION:

Date/Time: 1

Method of Sampling: Ballor Dedicated: YES

Diameter of Well:

Well Depth (from top of PVC):

Water Depth (from top of PVC):

Length of water Column:

Purge Volume: LWC x 0.17 x 3= Volume Purged

Methane Reading:

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)

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:

COMMENTS AND OBSERVATIONS:

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

Date: 9/2/15

By: TOK / RF

Company: EnviroFAS TA

FIELD OBSERVATIONS

Facility: Pass + Seymour

Sample Point ID: BR07-32

Field Personnel: TDK/RE

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 1

Method of Sampling: Baller Dedicated: YES

Diameter of Well: _____

Well Depth (from top of PVC): _____

Water Depth (from top of PVC): _____

Length of water Column: _____

Purge Volume: LWC x 0.17 x 3= _____

Volume Purged: _____

Methane Reading: _____

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)

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: _____

COMMENTS AND OBSERVATIONS:

*well dry
NO samples.*

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

Date: 9/20/19

By: TDK/RE

Company: EVERFINE TA

FIELD OBSERVATIONS

Facility: Pass + Seymour

Sample Point ID: Awz-4

Field Personnel: TDK/RE

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-20-19

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: _____

Well Depth (from top of PVC): _____

Water Depth (from top of PVC): _____

Length of water Column: _____

Purge Volume: LWC x 0.17 x 3= _____ Volume Purged: _____

Methane Reading: _____

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)

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: _____

COMMENTS AND OBSERVATIONS: _____

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

Date: 9/20/19

By: TDK/RE

Company: Fumfins RA

Sample Point
Dry
no samples

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FIELD OBSERVATIONS

Facility: Pass + Seymour Sample Point ID: BR08-35
 Field Personnel: TDIC / RE Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-20-19
 Method of Sampling: Bailer Dedicated: YES
 Diameter of Well: _____
 Well Depth (from top of PVC): _____
 Water Depth (from top of PVC): _____
 Length of water Column: _____
 Purge Volume: LWC x 0.17 x 3 = _____ Volume Purged: _____
 Methane Reading: _____

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)

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: _____

COMMENTS AND OBSERVATIONS:

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

Date: 9/20/19 By: TDIC / RE Company: EUMENS DA

FIELD OBSERVATIONS

Facility: Pass + Seymour Sample Point ID: MWD5-16
 Field Personnel: TDK/RE Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 1
 Method of Sampling: Baller Dedicated: YES
 Diameter of Well: _____
 Well Depth (from top of PVC): _____
 Water Depth (from top of PVC): _____
 Length of water Column: _____
 Purge Volume: $LWC \times 0.17 \times 3 =$ _____ Volume Purged: _____
 Methane Reading: _____

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)

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 _____ @ _____

*well dry
no samples.*

Weather conditions @ time of sampling: _____

COMMENTS AND OBSERVATIONS:

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

Date: 9/10/19 By: TDK/RE Company: EUROFINS

FIELD OBSERVATIONS

Facility: Pass + Seymour Sample Point ID: M305-05
 Field Personnel: TDK / RFE Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-20-19
 Method of Sampling: Baller Dedicated: YES
 Diameter of Well: _____
 Well Depth (from top of PVC): _____
 Water Depth (from top of PVC): _____
 Length of water Column: _____
 Purge Volume: LWC x 0.17 x 3 = _____ Volume Purged: _____
 Methane Reading: _____

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)

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 _____ @ _____

*well dry
no samples*

Weather conditions @ time of sampling: _____

COMMENTS AND OBSERVATIONS:

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

Date: 9/20/19 By: TDK / RFE Company: ENVIRON DA

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Login Sample Receipt Checklist

Client: DW Stoner and Associates, LLC

Job Number: 480-159522-1

Login Number: 159522

List Number: 1

List Source: Eurofins TestAmerica, Buffalo

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	