

July 25, 2017

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 first quarter 2017 groundwater monitoring at the Pass and Seymour site located at 50 Boyd Ave, Solvay NY. The monitoring was completed in conformance with the approved Site Management Plan (SMP) for this site, which was issued a Certificate of Completion on December 16, 2010.

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

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

There are six (6) observation wells in AOC-1 overburden screened in the till/fill unit above the top of competent bedrock, to monitor ISCO effectiveness: MW05-02, MW05-03, MW05-04, MW05-05, MW05-10 and MW05-11.

There are six (6) observation wells in AOC -1 screened in the upper fifteen feet of bedrock to monitor ISCO effectiveness: OW1-1, OW1-2, OW1-3, OW1-4, BR09-37 and BR09-39. Wells BR 10-46 and BR 10-47 have also been added to the quarterly monitoring program.

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

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

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

Monitoring was conducted in accordance with the Field Sampling Plan included in the approved SMP. Sampling was completed on March 28, 2017. The Groundwater Field Sampling logs are included as Attachment A. The following were noteworthy observations or actions taken during sampling:

1. An apparent oily substance was observed in well OW1-2. The presence of this substance has been observed since this well was installed prior to issuance of the Certificate of Completion. Due to the presence of the oily material field parameters were not measured in this well. Despite the presence of this material the concentrations of Semi-volatile organic compounds have decreased to relatively low concentrations in comparison to pre-ISCO results.

2. Wells MW 05-02, MW05-03, MW05-05 and MW05-11 had insufficient water to sample.

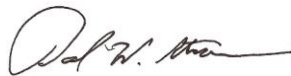
Groundwater Monitoring Results:

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.

Work associated with the Soil Boring Work Plan recently approved by NYSDEC will commence soon. We will contact you once a date has been scheduled for the work.

Please contact me if you have any questions.

Very Truly Yours,

A handwritten signature in black ink, appearing to read "David W. Stoner", with a stylized flourish at the end.

David W. Stoner, P.G.
President

Legend:

MW05-25



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

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

Sample ID	Date Sampled
Analyte	Concentration (ug/L)

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

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

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

OW1-4	Pre-ISCO	Mar-17
TCE	320	610
cis-DCE	13	30

MW05-04	Pre-ISCO	Mar-17
TCE	98	68

MW05-05	Pre-ISCO	Mar-17
TCE	130	NS
cis-DCE	17	NS

BR09-39	Pre-ISCO	Mar-17
PCE	ND	3.4
TCE	290	120
cis-DCE	12	9.4

BR07-31	Pre-ISCO	Mar-17
PCE	29	29
TCE	5.6	5.6
cis-DCE	9.7	9.7

MW05-21	Pre-ISCO	Mar-17
PCE	2.1	2.1
TCE	ND	ND
cis-DCE	ND	ND

OW1-2	Pre-ISCO	Mar-17
PCE	440	1400
TCE	49,800	9,200
cis-DCE	4,800	1800

MW05-11	Pre-ISCO	Mar-17
PCE	6.5	NS
TCE	330	NS
cis-DCE	11	NS

BR09-37	Pre-ISCO	Mar-17
PCE	ND	ND
TCE	78,000	18,000
cis-DCE	ND	1600

MW05-03	Pre-ISCO	Mar-17
PCE	ND	NS
TCE	250	NS
cis-DCE	10	NS

BR07-32	Pre-ISCO	Mar-17
TCE	NS	NS

BR10-46	Pre-ISCO	Mar-17
PCE	ND	ND
TCE	9500	3100
cis-DCE	560	360

BR10-47	Pre-ISCO	Mar-17
PCE	ND	0.63
TCE	6500	520
cis-DCE	290	54

BR08-35	Pre-ISCO	Mar-17
CVOCs	NS	NS

BR08-34	Pre-ISCO	Mar-17
CVOCs	NS	NS

BR08-33	Pre-ISCO	Mar-17
CVOCs	NS	NS

OW1-3	Pre-ISCO	Mar-17
PCE	2,700	ND
TCE	2,700	18,000
cis-DCE	190	890

MW05-02	Pre-ISCO	Mar-17
TCE	220	NS
cis-DCE	1.5	NS

BR09-36	Pre-ISCO	Mar-17
TCE	140	17
cis-DCE	12	ND

OW2-2	Pre-ISCO	Mar-17
TCE	1,200	49
cis-DCE	140	14

IW2-3	Pre-ISCO	Mar-17
TCE	6,000	41
cis-DCE	370	5.1

IW2-1	Pre-ISCO	Mar-17
PCE	ND	ND
TCE	3,900	6.3
cis-DCE	210	ND

BR09-38	Pre-ISCO	Mar-17
TCE	49	89
cis-DCE	8	75

MW05-10	Pre-ISCO	Mar-17
TCE	180	95
cis-DCE	35	5.3

DW Stoner & Associates
LLC

Manlius, New York

DATE: 6/12/2017 JOB No:1223

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 S&S REDEVELOPMENT OF NORTH AMERICA, DECEMBER 2011
THE BOUNDARY AND TOPOGRAPHIC MAPPING OF THIS SURVEY WAS PERFORMED BY
DAVID W. HARRIS, L.S. 47-61, LAST REVISED BY HARRIS ON JUNE 22, 1994.
DATUM CORRECTIONS AND MONITORING WELL LOCATIONS BY BRYANT ASSOCIATES
P.C. INC. AS SURVEYED ON NOVEMBER 8, 2005, and January 7, 2006.

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	3/28/17	Top of PVC	410.18	5.83	20.0	404.35	2.3
		Top of PVC	410.18		20.0		
		Top of PVC	410.18		20.0		
		Top of PVC	410.18		20.0		
BR07-32	3/28/17	Top of PVC	426.82	NS	20	NS	NS
		Top of PVC	426.82		20		
		Top of PVC	426.82		20		
		Top of PVC	426.82		NS		
BR08-33	3/28/17	Top of PVC	408.11	NS	42	NS	NS
		Top of PVC	408.11		42		
		Top of PVC	408.11		42		
		Top of PVC	408.11		42		
BR08-34	3/28/17	Top of PVC	408.96	NS	42	NS	NS
		Top of PVC	408.96		42		
		Top of PVC	408.96		42		
		Top of PVC	408.96		42		
BR08-35	3/28/17	Top of PVC	408.35	NS	31	NS	NS
		Top of PVC	408.35		31		
		Top of PVC	408.35		31		
		Top of PVC	408.35		31		
BR09-37	3/28/17	Top of PVC	417.85	15.31	24.28	402.54	1.5
		Top of PVC	417.85		24.28		
		Top of PVC	417.85		24.28		
		Top of PVC	417.85		24.28		
BR09-39	3/28/17	Top of PVC	424.06	18.2	30.22	405.86	2.01
		Top of PVC	424.06		30.22		
		Top of PVC	424.06		30.22		
		Top of PVC	424.06		30.22		
BR10-46	3/28/17	Top of PVC	417.10	10.16	27	406.94	2.71
		Top of PVC	417.10		27		
		Top of PVC	417.10		27		
		Top of PVC	417.10		27		
BR10-47	3/28/17	Top of PVC	416.67	10.25	28	406.42	2.86
		Top of PVC	416.67		28		
		Top of PVC	416.67		28		
		Top of PVC	416.67		28		
IW2-1	3/28/17	Top of PVC	418.25	15.27	34.35	402.98	13.53
		Top of PVC	418.25		34.35		
		Top of PVC	418.25		34.35		
		Top of PVC	418.25		34.35		

Table 1 Groundwater Elevations Pass and Seymour

IW2-3	3/28/17	Top of PVC	416.62	13.59	34.60	403.03	13.85
		Top of PVC	416.62		34.60		
		Top of PVC	416.62		34.6		
		Top of PVC	416.62		34.6		
MW05-02	3/28/17	Top of PVC	408.83	DRY	9.92	DRY	DRY
		Top of PVC	408.83		9.92		
		Top of PVC	408.83		9.92		
		Top of PVC	408.83		9.92		
MW05-03	3/28/17	Top of PVC	421.42	DRY	13.05	DRY	DRY
		Top of PVC	421.42		13.05		
		Top of PVC	421.42		13.05		
		Top of PVC	421.42		13.05		
MW05-04	3/28/17	Top of PVC	408.45	7.83	10.70	400.62	0.5
		Top of PVC	408.45		10.70		
		Top of PVC	408.45		10.7		
		Top of PVC	408.45		10.7		
MW05-05	3/28/17	Top of PVC	427.82	DRY	18.0	DRY	DRY
		Top of PVC	427.82		18.0		
		Top of PVC	427.82		18.0		
		Top of PVC	427.82		18.0		
MW05-10	3/28/17	Top of PVC	403.89	12.82	19.25	391.07	1.04
		Top of PVC	403.89		19.25		
		Top of PVC	403.89		19.25		
		Top of PVC	403.89		19.25		
MW05-11	3/28/17	Top of PVC	410.0	DRY	14.31	DRY	DRY
		Top of PVC	410.0		14.31		
		Top of PVC	410.0		14.31		
		Top of PVC	410.0		14.31		
MW05-21	3/28/17	Top of PVC	411.46	4.38	11.7	407.08	1.24
		Top of PVC	411.46		11.7		
		Top of PVC	411.46		11.7		
		Top of PVC	411.46		11.7		
OB09-36	3/28/17	Top of PVC	414.84	12.07	33.65	402.77	3.66
		Top of PVC	414.84		33.65		
		Top of PVC	414.84		33.65		
		Top of PVC	414.84		33.65		3.66
OB09-38	3/28/17	Top of PVC	416.68	13.79	33.38	402.89	3.18
		Top of PVC	416.68		33.38		
		Top of PVC	416.68		33.38		
		Top of PVC	416.68		33.38		
OW1-1	3/29/17	Top of PVC	421.40	12.22	23.05	409.18	1.83
		Top of PVC	421.40		23.05		
		Top of PVC	421.40		23.05		

Table 1 Groundwater Elevations Pass and Seymour

		Top of PVC	421.40		23.05		
OW1-2	3/28/17	Top of PVC	421.25	14.43	28.00	406.82	2.22
		Top of PVC	421.25		28.00		
		Top of PVC	421.25		28.00		
		Top of PVC	421.25		28.0		
OW1-3	3/28/17	Top of PVC	417.16	14.23	25.75	402.93	1.92
		Top of PVC	417.16		25.75		
		Top of PVC	417.16		25.75		
		Top of PVC	417.16		25.75		
OW1-4	3/28/17	Top of PVC	419.90	15.32	27.97	404.58	2.09
		Top of PVC	419.90		27.97		
		Top of PVC	419.90		27.97		
		Top of PVC	419.90		27.97		
OW2-2	3/28/17	Top of PVC	416.59	13.62	34.71	402.97	3.51
		Top of PVC	416.59		34.71		
		Top of PVC	416.59		34.71		
		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

*** - Not sampled due to presence of permanganate

Table 2 Groundwater Field Parameters, Pass and Seymour

Monitoring Well ID	Date 2017	Time	Temp (°C)	Conductivity (mmhos/cm)	Salinity	Dissolved Oxygen (%)	pH (units)	Eh (mV)	Turbidity (NTU)	Amount Purged (gal)
BR07-31	3/28	1307	8.3	2700	1.0	0.73	6.93	89	3.07	7.0
BR07-32	3/28	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR08-33	3/28	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR08-34	3/28	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR08-35	3/28	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR09-37	3/28	1246	11.8	2600	0.7	0.41	7.26	86	8.72	4.5
BR09-39	3/28	1209	12.8	1200	0.6	0.61	6.45	168	3.98	6.0
BR10-46	3/28	1221	10.2	5750	0.3	0.93	7.85	58	5.03	8.0
BR10-47	3/28	1231	11.0	2190	1.1	0.43	7.4	85	5.28	8.5
IW2-1	3/28	1333	11.2	1980	0.5	0.57	6.96	65	16.4	40.5

Table 2 Groundwater Field Parameters, Pass and Seymour

IW2-3	3/28	1326	9.6	1770	0.5	0.64	7.51	84	0.2	42
MW05-02	3/28	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW05-03	3/28	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW05-04	3/28	1237	11.1	1150	0.6	0.39	7.2	39	7.95	10.9
MW05-5	3/28	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW05-10	3/28	1354	11.1	8550	3.4	0.61	7.47	70	68.2	3.0
MW05-11	3/28	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW05-21	3/28	1311	7.9	1900	0.3	0.63	7.38	70	3.34	4.0
OB09-36	3/28	1319	9.3	5060	1.2	0.77	7.36	58	26.8	
OB09-38	3/28	1344	10.9	3990	1.3	0.95	7.0	64	29.7	10

Table 2 Groundwater Field Parameters, Pass and Seymour

OW1-1	3/28	1401	11.0	2020	0.5	0.74	7.53	87	6.54	5.5
OW1-2	3/28	NM	NM	NM	NM	NM	NM	NM	NM	NM
OW1-3	3/28	1248	10.7	4050	1.4	0.7	7.3	87	11.06	6.0
OW1-4	3/28	1216	12.3	1160	0.6	0.3	7.22	52	5.31	6.5
OW2-2	3/28	1336	11.1	4030	1.3	0.56	7.01	75	28.2	10.5

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

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

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

*** ---Not sampled due to presence of permanganate

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR07-31		2017 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	NS	ND			
1,1,2,2-Tetrachloroethane	5	NS	ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	ND			
1,1,2-Trichloroethane	1	NS	ND			
1,1-Dichloroethane	5	NS	ND			
1,1-Dichloroethene	5	NS	ND			
1,2, 4-Trichlorobenzene	5	NS	ND			
1,2-Dibromo-3-Chloropropane	0.04	NS	ND			
1,2-Dibromoethane		NS	ND			
1,2-Dichlorobenzene	3	NS	ND			
1,2-Dichloroethane	0.6	NS	ND			
1,2 -Dichloropropane	1	NS	ND			
1,3-Dichlorobenzene	3	NS	ND			
1,4-Dichlorobenzene	3	NS	ND			
2-Butanone (MEK))	50	NS	ND			
2-Hexanone		NS	ND			
4-Methyl-2-pentanone (MIBK)		NS	ND			
Acetone	50	NS	ND			
Benzene	1	NS	ND			
Bromodichloromethane	50	NS	ND			
Bromoform	50	NS	ND			
Bromomethane	5	NS	ND			
Carbon disulfide		NS	ND			
Carbon tetrachloride	5	NS	ND			
Chlorobenzene	5	NS	ND			
Chloroethane	5	NS	ND			
Chloroform	7	NS	ND			
Chloromethane		NS	ND			
cis-1,2-Dichloroethene	5	NS	9.7			
Cis-1,3-Dichloropropene	0.4	NS	ND			
Cyclohexane		NS	ND			
Dibromochloromethane		NS	ND			
Dichlorodifluoromethane	5	NS	ND			
Ethylbenzene	5	NS	ND			
Isopropylbenzene	5	NS	ND			
Methyl acetate		NS	ND			
Methyl tert-butyl ether	10	NS	ND			
Methylcyclohexane		NS	ND			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	NS	ND			
Styrene	5	NS	ND			
Tetrachloroethene	5	NS	29			
Toluene	5	NS	ND			
trans-1,2-Dichloroethene	5	NS	ND			
trans-1,3-Dichloropropene	0.4	NS	ND			
Trichloroethene	5	NS	5.6			
Trichlorofluoromethane	5	NS	ND			
Vinyl chloride	2	NS	ND			
Xylenes, Total	5	NS	ND			

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	NS	23 J			
Manganese (EPA Method 6010B)		NS	460			
Nitrate as N (EPA Method 9056)	10,000	NS	65,500			
Chemical Oxygen Demand (EPA Method 410.4)		NS	19,200			
Total Organic Carbon (EPA Method 9060A)		NS	4,400 B			

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 2017 Post-ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR07-32		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	NS	NS			
1,1,2,2-Tetrachloroethane	5	NS	NS			
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS			
1,1,2-Trichloroethane	1	NS	NS			
1,1-Dichloroethane	5	NS	NS			
1,1-Dichloroethene	5	NS	NS			
1,2, 4-Trichlorobenzene	5	NS	NS			
1,2-Dibromo-3-Chloropropane	0.04	NS	NS			
1,2-Dibromoethane		NS	NS			
1,2-Dichlorobenzene	3	NS	NS			
1,2-Dichloroethane	0.6	NS	NS			
1,2 -Dichloropropane	1	NS	NS			
1,3-Dichlorobenzene	3	NS	NS			
1,4-Dichlorobenzene	3	NS	NS			
2-Butanone (MEK))	50	NS	NS			
2-Hexanone		NS	NS			
4-Methyl-2-pentanone (MIBK)		NS	NS			
Acetone	50	NS	NS			
Benzene	1	NS	NS			
Bromodichloromethane	50	NS	NS			
Bromoform	50	NS	NS			
Bromomethane	5	NS	NS			
Carbon disulfide		NS	NS			
Carbon tetrachloride	5	NS	NS			
Chlorobenzene	5	NS	NS			
Chloroethane	5	NS	NS			
Chloroform	7	NS	NS			
Chloromethane		NS	NS			
cis-1,2-Dichloroethene	5	NS	NS			
Cis-1,3-Dichloropropene	0.4	NS	NS			
Cyclohexane		NS	NS			
Dibromochloromethane		NS	NS			
Dichlorodifluoromethane	5	NS	NS			
Ethylbenzene	5	NS	NS			
Isopropylbenzene	5	NS	NS			
Methyl acetate		NS	NS			
Methyl tert-butyl ether	10	NS	NS			
Methylcyclohexane		NS	NS			
Methylene chloride	5	NS	NS			
Styrene	5	NS	NS			

[Pick the date]



Table 3 – Pass & Seymour 2017 Post-ISCO Groundwater Sample Analytical Results

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

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	NS	NS			
Manganese (EPA Method 6010B)		NS	NS			
Nitrate as N (EPA Method 9056)	10,000	NS	NS			
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS			
Total Organic Carbon (EPA Method 9060A)		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

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Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR08-33		2017 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	NS	NS			
1,1,2,2-Tetrachloroethane	5	NS	NS			
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS			
1,1,2-Trichloroethane	1	NS	NS			
1,1-Dichloroethane	5	NS	NS			
1,1-Dichloroethene	5	NS	NS			
1,2, 4-Trichlorobenzene	5	NS	NS			
1,2-Dibromo-3-Chloropropane	0.04	NS	NS			
1,2-Dibromoethane		NS	NS			
1,2-Dichlorobenzene	3	NS	NS			
1,2-Dichloroethane	0.6	NS	NS			
1,2 -Dichloropropane	1	NS	NS			
1,3-Dichlorobenzene	3	NS	NS			
1,4-Dichlorobenzene	3	NS	NS			
2-Butanone (MEK))	50	NS	NS			
2-Hexanone		NS	NS			
4-Methyl-2-pentanone (MIBK)		NS	NS			
Acetone	50	NS	NS			
Benzene	1	NS	NS			
Bromodichloromethane	50	NS	NS			
Bromoform	50	NS	NS			
Bromomethane	5	NS	NS			
Carbon disulfide		NS	NS			
Carbon tetrachloride	5	NS	NS			
Chlorobenzene	5	NS	NS			
Chloroethane	5	NS	NS			
Chloroform	7	NS	NS			
Chloromethane		NS	NS			
cis-1,2-Dichloroethene	5	NS	NS			
Cis-1,3-Dichloropropene	0.4	NS	NS			
Cyclohexane		NS	NS			
Dibromochloromethane		NS	NS			
Dichlorodifluoromethane	5	NS	NS			
Ethylbenzene	5	NS	NS			
Isopropylbenzene	5	NS	NS			
Methyl acetate		NS	NS			
Methyl tert-butyl ether	10	NS	NS			
Methylcyclohexane		NS	NS			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

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

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	NS	NS			
Manganese (EPA Method 6010B)		NS	NS			
Nitrate as N (EPA Method 9056)	10,000	NS	NS			
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS			
Total Organic Carbon (EPA Method 9060A)		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 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR08-34		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	NS	NS			
1,1,2,2-Tetrachloroethane	5	NS	NS			
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS			
1,1,2-Trichloroethane	1	NS	NS			
1,1-Dichloroethane	5	NS	NS			
1,1-Dichloroethene	5	NS	NS			
1,2, 4-Trichlorobenzene	5	NS	NS			
1,2-Dibromo-3-Chloropropane	0.04	NS	NS			
1,2-Dibromoethane		NS	NS			
1,2-Dichlorobenzene	3	NS	NS			
1,2-Dichloroethane	0.6	NS	NS			
1,2 -Dichloropropane	1	NS	NS			
1,3-Dichlorobenzene	3	NS	NS			
1,4-Dichlorobenzene	3	NS	NS			
2-Butanone (MEK))	50	NS	NS			
2-Hexanone		NS	NS			
4-Methyl-2-pentanone (MIBK)		NS	NS			
Acetone	50	NS	NS			
Benzene	1	NS	NS			
Bromodichloromethane	50	NS	NS			
Bromoform	50	NS	NS			
Bromomethane	5	NS	NS			
Carbon disulfide		NS	NS			
Carbon tetrachloride	5	NS	NS			
Chlorobenzene	5	NS	NS			
Chloroethane	5	NS	NS			
Chloroform	7	NS	NS			
Chloromethane		NS	NS			
cis-1,2-Dichloroethene	5	NS	NS			
Cis-1,3-Dichloropropene	0.4	NS	NS			
Cyclohexane		NS	NS			
Dibromochloromethane		NS	NS			
Dichlorodifluoromethane	5	NS	NS			
Ethylbenzene	5	NS	NS			
Isopropylbenzene	5	NS	NS			
Methyl acetate		NS	NS			
Methyl tert-butyl ether	10	NS	NS			
Methylcyclohexane		NS	NS			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

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

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/328/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	NS	NS			
Manganese (EPA Method 6010B)		NS	NS			
Nitrate as N (EPA Method 9056)	10,000	NS	NS			
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS			
Total Organic Carbon (EPA Method 9060A)		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 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR08-35		2017 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	NS	NS			
1,1,2,2-Tetrachloroethane	5	NS	NS			
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS			
1,1,2-Trichloroethane	1	NS	NS			
1,1-Dichloroethane	5	NS	NS			
1,1-Dichloroethene	5	NS	NS			
1,2, 4-Trichlorobenzene	5	NS	NS			
1,2-Dibromo-3-Chloropropane	0.04	NS	NS			
1,2-Dibromoethane		NS	NS			
1,2-Dichlorobenzene	3	NS	NS			
1,2-Dichloroethane	0.6	NS	NS			
1,2 -Dichloropropane	1	NS	NS			
1,3-Dichlorobenzene	3	NS	NS			
1,4-Dichlorobenzene	3	NS	NS			
2-Butanone (MEK))	50	NS	NS			
2-Hexanone		NS	NS			
4-Methyl-2-pentanone (MIBK)		NS	NS			
Acetone	50	NS	NS			
Benzene	1	NS	NS			
Bromodichloromethane	50	NS	NS			
Bromoform	50	NS	NS			
Bromomethane	5	NS	NS			
Carbon disulfide		NS	NS			
Carbon tetrachloride	5	NS	NS			
Chlorobenzene	5	NS	NS			
Chloroethane	5	NS	NS			
Chloroform	7	NS	NS			
Chloromethane		NS	NS			
cis-1,2-Dichloroethene	5	NS	NS			
Cis-1,3-Dichloropropene	0.4	NS	NS			
Cyclohexane		NS	NS			
Dibromochloromethane		NS	NS			
Dichlorodifluoromethane	5	NS	NS			
Ethylbenzene	5	NS	NS			
Isopropylbenzene	5	NS	NS			
Methyl acetate		NS	NS			
Methyl tert-butyl ether	10	NS	NS			
Methylcyclohexane		NS	NS			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

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

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	NS	NS			
Manganese (EPA Method 6010B)		NS	NS			
Nitrate as N (EPA Method 9056)	10,000	NS	NS			
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS			
Total Organic Carbon (EPA Method 9060A)		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)

Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR09-37		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	ND	ND			
1,1,2,2-Tetrachloroethane	5	ND	ND			
D1,1,2-Trichloro- 1,ND2,2trifluoroethane	5		ND			
ND1,1,2-Trichloroethane	1	ND	ND			
1,1-Dichloroethane	5	ND	ND			
1,1-Dichloroethene	5	ND	ND			
1,2, 4-Trichlorobenzene	5		ND			
1,2-Dibromo-3-Chloropropane	0.04		ND			
1,2-Dibromoethane			ND			
1,2-Dichlorobenzene	3		ND			
1,2-Dichloroethane	0.06	ND	ND			
1,2 -Dichloropropane	1	ND	ND			
1,3-Dichlorobenzene	3		ND			
1,4-Dichlorobenzene	3		ND			
2-Butanone (MEK))	50	ND	ND			
2-Hexanone			ND F2			
4-Methyl-2-pentanone (MIBK)		ND	ND			
Acetone	50	ND	ND			
Benzene	1	ND	ND			
Bromodichloromethane	50	ND	ND			
Bromoform	50	ND	ND			
Bromomethane	5	ND	ND			
Carbon disulfide			ND			
Carbon tetrachloride	5	ND	ND			
Chlorobenzene	5	ND	ND			
Chloroethane	5	ND	ND			
Chloroform	7	ND	ND			
Chloromethane		ND	ND			
cis-1,2-Dichloroethene	5	ND	1,600			
Cis-1,3-Dichloropropene	0.4	ND	ND			
Cyclohexane			ND			
Dibromochloromethane			ND			
Dichlorodifluoromethane	5		ND			
Ethylbenzene	5	ND	ND			
Isopropylbenzene	5		ND			
Methyl acetate			ND			

Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10		ND			
Methylcyclohexane			ND			
Methylene chloride	5	ND	ND			
Styrene	5	ND	ND			
Tetrachloroethene	5	ND	ND			
Toluene	5	ND	ND			
trans-1,2-Dichloroethene	5	ND	ND			
trans-1,3-Dichloropropene	0.4	ND	ND			
Trichloroethene	5	7,800	18,000 F1			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2	ND	ND			
Xylenes, Total	5	ND	ND			

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	17,000	870			
Manganese (EPA Method 6010B)		NS	490 B			
Nitrate as N (EPA Method 9056)	10,000	2,100	3,200			
Chemical Oxygen Demand (EPA Method 410.4)		9,400	12,100			
Total Organic Carbon (EPA Method 9060A)	NS	ND	1,000 B			

All values reported as ug/L

B – Compound was found in the blank and sample

ND – Analyzed for but NOT DETECTED

J – Includes an estimated value

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

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

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

F2 – MS/MSD exceeds control limits

Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR09-39		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	ND	ND			
1,1,2,2-Tetrachloroethane	5		ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND			
1,1,2-Trichloroethane	1	ND	ND			
1,1-Dichloroethane	5	ND	ND			
1,1-Dichloroethene	5	ND	ND			
1,2, 4-Trichlorobenzene	5		ND			
1,2-Dibromo-3-Chloropropane	0.04		ND			
1,2-Dibromoethane			ND			
1,2-Dichlorobenzene	3		ND			
1,2-Dichloroethane	0.6	ND	ND			
1,2 -Dichloropropane	1	ND	ND			
1,3-Dichlorobenzene	3		ND			
1,4-Dichlorobenzene	3		ND			
2-Butanone (MEK))	50	ND	ND			
2-Hexanone			ND			
4-Methyl-2-pentanone (MIBK)		ND	ND			
Acetone	50	ND	ND			
Benzene	1	ND	ND			
Bromodichloromethane	50	ND	ND			
Bromoform	50	ND	ND			
Bromomethane	5	ND	ND			
Carbon disulfide			ND			
Carbon tetrachloride	5	ND	ND			
Chlorobenzene	5	ND	ND			
Chloroethane	5	ND	ND			
Chloroform	7	ND	ND			
Chloromethane		ND	ND			
cis-1,2-Dichloroethene	5	12	9.4			
cis-1,3-Dichloropropene	0.4	ND	ND			
Cyclohexane			ND			
Dibromochloromethane			ND			
Dichlorodifluoromethane	5		ND			
Ethylbenzene	5	ND	ND			
Isopropylbenzene	5		ND			
Methyl acetate			ND			
Methyl tert-butyl ether	10		ND			
Methylcyclohexane			ND			

Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	ND	ND			
Styrene	5	ND	ND			
Tetrachloroethene	5	ND	3.4			
Toluene	5	ND	ND			
trans-1,2-Dichloroethene	5	ND	ND			
trans-1,3-Dichloropropene	0.4	ND	ND			
Trichloroethene	5	290	120			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2	ND	ND			
Xylenes, Total	5	ND	ND			

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	132	230			
Manganese (EPA Method 6010B)			26 B			
Nitrate as N (EPA Method 9056)	10,000	10,400	5,600			
Chemical Oxygen Demand (EPA Method 410.4)		4,300	ND			
Total Organic Carbon (EPA Method 9060A)		ND	590 J B			

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 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR10-46		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/28/17			
1,1,1-Trichloroethane	5		ND			
1,1,2,2-Tetrachloroethane	5		ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND			
1,1,2-Trichloroethane	1		ND			
1,1-Dichloroethane	5		ND			
1,1-Dichloroethene	5		ND			
1,2, 4-Trichlorobenzene	5		ND			
1,2-Dibromo-3-Chloropropane	0.04		ND			
1,2-Dibromoethane			ND			
1,2-Dichlorobenzene	3		ND			
1,2-Dichloroethane	0.6		ND			
1,2 -Dichloropropane	1		ND			
1,3-Dichlorobenzene	3		ND			
1,4-Dichlorobenzene	3		ND			
2-Butanone (MEK))	50		ND			
2-Hexanone			ND			
4-Methyl-2-pentanone (MIBK)			ND			
Acetone	50		ND			
Benzene	1		ND			
Bromodichloromethane	50		ND			
Bromoform	50		ND			
Bromomethane	5		ND			
Carbon disulfide			ND			
Carbon tetrachloride	5		ND			
Chlorobenzene	5		ND			
Chloroethane	5		ND			
Chloroform	7		ND			
Chloromethane			ND			
cis-1,2-Dichloroethene	5		360			
cis-1,3-Dichloropropene	0.4		ND			
Cyclohexane			ND			
Dibromochloromethane			ND			
Dichlorodifluoromethane	5		ND			
Ethylbenzene	5		ND			
Isopropylbenzene	5		ND			
Methyl acetate			ND			

Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

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

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300		1,000			
Manganese (EPA Method 6010B)			810 B			
Nitrate as N (EPA Method 9056)	10,000		4,000			
Chemical Oxygen Demand (EPA Method 410.4)			18,300			
Total Organic Carbon (EPA Method 9060A)			2,900 B			

All values reported as ug/L

B- Compound was found in blank and sample

ND – Analyzed for but NOT DETECTED

J – Includes an estimated value

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS- Not Sampled

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

Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR10-47		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5		2.4			
1,1,2,2-Tetrachloroethane	5		ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5		.59 J			
1,1,2-Trichloroethane	1		ND			
1,1-Dichloroethane	5		.40 J			
1,1-Dichloroethene	5		.47 J			
1,2, 4-Trichlorobenzene	5		ND			
1,2-Dibromo-3-Chloropropane	0.04		ND			
1,2-Dibromoethane			ND			
1,2-Dichlorobenzene	3		ND			
1,2-Dichloroethane	0.6		ND			
1,2 -Dichloropropane	1		ND			
1,3-Dichlorobenzene	3		ND			
1,4-Dichlorobenzene	3		ND			
2-Butanone (MEK))	50		ND			
2-Hexanone			ND			
4-Methyl-2-pentanone (MIBK)			ND			
Acetone	50		ND			
Benzene	1		ND			
Bromodichloromethane	50		ND			
Bromoform	50		ND			
Bromomethane	5		ND			
Carbon disulfide			ND			
Carbon tetrachloride	5		ND			
Chlorobenzene	5		ND			
Chloroethane	5		ND			
Chloroform	7		ND			
Chloromethane			ND			
cis-1,2-Dichloroethene	5		54			
cis-1,3-Dichloropropene	0.4		ND			
Cyclohexane			ND			
Dibromochloromethane			ND			
Dichlorodifluoromethane	5		ND			
Ethylbenzene	5		ND			
Isopropylbenzene	5		ND			
Methyl acetate			ND			
Methyl tert-butyl ether	10		ND			
Methylcyclohexane			ND			

Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5		ND			
Styrene	5		ND			
Tetrachloroethene	5		.60 J			
Toluene	5		ND			
trans-1,2-Dichloroethene	5		ND			
trans-1,3-Dichloropropene	0.4		ND			
Trichloroethene	5		ND			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2		ND			
Xylenes, Total	5		ND			

Other Analytes	GW Std (ug/L)	Pre- ISCO	1ST QTR 3/28/17	2nd QTR	3rd QTR	4th QTR
Iron (EPA Method 6010B)	300		660			
Manganese (EPA Method 6010B)			1.,100 B			
Nitrate as N (EPA Method 9056)	10,000		4,700			
Chemical Oxygen Demand (EPA Method 410.4)			6,200 J			
Total Organic Carbon (EPA Method 9060A)			570 J B			

All values reported as ug/L

B- Compound was found in blank and sample

ND – Analyzed for but NOT DETECTED

J – Includes an estimated value

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS- Not Sampled

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

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL IW2-1		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/28/17			
1,1,1-Trichloroethane	5	ND	ND			
1,1,2,2-Tetrachloroethane	5	ND	ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND			
1,1,2-Trichloroethane	1	ND	ND			
1,1-Dichloroethane	5	ND	ND			
1,1-Dichloroethene	5	ND	ND			
1,2, 4-Trichlorobenzene	5		ND			
1,2-Dibromo-3-Chloropropane	0.04		ND			
1,2-Dibromoethane			ND			
1,2-Dichlorobenzene	3		ND			
1,2-Dichloroethane	0.6	ND	ND			
1,2 -Dichloropropane	1	ND	ND			
1,3-Dichlorobenzene	3		ND			
1,4-Dichlorobenzene	3		ND			
2-Butanone (MEK))	50	ND	ND			
2-Hexanone			ND			
4-Methyl-2-pentanone (MIBK)		ND	ND			
Acetone	50	ND	ND			
Benzene	1	ND	ND			
Bromodichloromethane	50	ND	ND			
Bromoform	50	ND	ND			
Bromomethane	5	ND	ND			
Carbon disulfide			ND			
Carbon tetrachloride	5		ND			
Chlorobenzene	5	ND	ND			
Chloroethane	5	ND	ND			
Chloroform	7	ND	ND			
Chloromethane		ND	ND			
cis-1,2-Dichloroethene	5	210	ND			
Cis-1,3-Dichloropropene	0.4	ND	ND			
Cyclohexane			ND			
Dibromochloromethane			ND			
Dichlorodifluoromethane	5		ND			
Ethylbenzene	5	ND	ND			
Isopropylbenzene	5		ND			
Methyl acetate			ND			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10		ND			
Methylcyclohexane			ND			
Methylene chloride	5	39 J	ND			
Styrene	5	ND	ND			
Tetrachloroethene	5	ND	ND			
Toluene	5	ND	ND			
trans-1,2-Dichloroethene	5	ND	ND			
trans-1,3-Dichloropropene	0.4	ND	ND			
Trichloroethene	5	3,900	6.3			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2	ND	ND			
Xylenes, Total	5	ND	ND			

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 ST QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	1,610	9,000			
Manganese (EPA Method 6010B)			130 B			
Nitrate as N (EPA Method 9056)	10,000	440	130			
Chemical Oxygen Demand (EPA Method 410.4)		5,800	22,500			
Total Organic Carbon (EPA Method 9060A)		ND	830 J B			

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 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL IW2-3		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	ND	ND			
1,1,2,2-Tetrachloroethane	5		ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND			
1,1,2-Trichloroethane	1	ND	ND			
1,1-Dichloroethane	5	ND	ND			
1,1-Dichloroethene	5	ND	ND			
1,2, 4-Trichlorobenzene	5		ND			
1,2-Dibromo-3-Chloropropane	0.04		ND			
1,2-Dibromoethane			ND			
1,2-Dichlorobenzene	3		ND			
1,2-Dichloroethane	0.6	ND	ND			
1,2 -Dichloropropane	1	ND	ND			
1,3-Dichlorobenzene	3		ND			
1,4-Dichlorobenzene	3		ND			
2-Butanone (MEK))	50	ND	ND			
2-Hexanone			ND			
4-Methyl-2-pentanone (MIBK)		110	ND			
Acetone	50	ND	ND			
Benzene	1	ND	ND			
Bromodichloromethane	50	ND	ND			
Bromoform	50	ND	ND			
Bromomethane	5	ND	ND			
Carbon disulfide			ND			
Carbon tetrachloride	5	ND	ND			
Chlorobenzene	5	ND	ND			
Chloroethane	5	ND	ND			
Chloroform	7	ND	.98 J			
Chloromethane		ND	ND			
cis-1,2-Dichloroethene	5	370	5.1			
Cis-1,3-Dichloropropene	0.4	ND	ND			
Cyclohexane			ND			
Dibromochloromethane			ND			
Dichlorodifluoromethane	5		ND			
Ethylbenzene	5	ND	ND			
Isopropylbenzene	5		ND			
Methyl acetate			ND			
Methyl tert-butyl ether	10		ND			
Methylcyclohexane			ND			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	110 J	ND			
Styrene	5	ND	ND			
Tetrachloroethene	5	ND	ND			
Toluene	5	ND	ND			
trans-1,2-Dichloroethene	5	ND	ND			
trans-1,3-Dichloropropene	0.4	ND	ND			
Trichloroethene	5	6,000	41			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2	ND	ND			
Xylenes, Total	5	ND	ND			

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	4,870	290			
Manganese (EPA Method 6010B)	300	473	49 B			
Nitrate as N (EPA Method 9056)	10,000	750	2,700			
Chemical Oxygen Demand (EPA Method 410.4)		7,100	16,000			
Total Organic Carbon (EPA Method 9060A)		ND	3,100 B			

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 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-02		2017 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	ND	NS			
1,1,2,2-Tetrachloroethane	5	ND	NS			
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS			
1,1,2-TrichloroethaneD	1	ND	NS			
1,1-DichloroethaneND	5	ND	NS			
1,1-DichloroetheneND	5	ND	NS			
1,2, 4-TrichlorobenzenNDe	5	ND	NS			
1,2-Dibromo-3-Chloropropane	0.04	ND	NS			
1,2-Dibromoethane		ND	NS			
1,2-Dichlorobenzene	3	ND	NS			
1,2-Dichloroethane	0.06	ND	NS			
1,2 -Dichloropropane	1	ND	NS			
1,3 Dichlorobenzene	3	ND	NS			
1,4-Dichlorobenzene	3	ND	NS			
2-Butanone (MEK))	50	ND	NS			
2-Hexanone		ND	NS			
4-Methyl-2-pentanone (MIBK)		ND	NS			
Acetone	50	ND	NS			
Benzene	1	ND	NS			
Bromodichloromethane	50	ND	NS			
Bromoform	50	ND	NS			
Bromomethane	5	ND	NS			
Carbon disulfide		ND	NS			
Carbon tetrachloride	5	ND	NS			
Chlorobenzene	5	ND	NS			
Chloroethane	5	ND	NS			
Chloroform	7	ND	NS			
Chloromethane		ND	NS			
cis-1,2-Dichloroethene	5	1.5	NS			
cis-1,3-Dichloropropene	0.4	ND	NS			
Cyclohexane		ND	NS			
Dibromochloromethane		ND	NS			
Dichlorodifluoromethane	5	ND	NS			
Ethylbenzene	5	ND	NS			
Isopropylbenzene	5	ND	NS			
Methyl acetate		ND	NS			
Methyl tert-butyl ether	10	ND	NS			
Methylcyclohexane		ND	NS			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

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

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

All values reported as ug/L

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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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Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-03		2017 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	ND	NS*			
1,1,2,2-Tetrachloroethane	5	ND	NS *			
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*			
1,1,2-TrichloroethaneD	1	ND	NS*			
1,1-DichloroethaneND	5	ND	NS*			
1,1-DichloroetheneND	5	ND	NS*			
1,2, 4-TrichlorobenzenNDe	5	ND	NS*			
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*			
1,2-Dibromoethane		ND	NS*			
1,2-Dichlorobenzene	3	ND	NS*			
1,2-Dichloroethane	0.06	ND	NS*			
1,2 -Dichloropropane	1	ND	NS*			
1,3 Dichlorobenzene	3	ND	NS*			
1,4-Dichlorobenzene	3	ND	NS*			
2-Butanone (MEK))	50	ND	NS*			
2-Hexanone		ND	NS*			
4-Methyl-2-pentanone (MIBK)		ND	NS*			
Acetone	50	ND	NS*			
Benzene	1	ND	NS*			
Bromodichloromethane	50	ND	NS*			
Bromoform	50	ND	NS*			
Bromomethane	5	ND	NS*			
Carbon disulfide		ND	NS*			
Carbon tetrachloride	5	ND	NS*			
Chlorobenzene	5	ND	NS*			
Chloroethane	5	ND	NS*			
Chloroform	7	ND	NS*			
Chloromethane		ND	NS*			
cis-1,2-Dichloroethene	5	1.5	NS*			
cis-1,3-Dichloropropene	0.4	ND	NS*			
Cyclohexane		ND	NS*			
Dibromochloromethane		ND	NS*			
Dichlorodifluoromethane	5	ND	NS*			
Ethylbenzene	5	ND	NS*			
Isopropylbenzene	5	ND	NS*			
Methyl acetate		ND	NS*			
Methyl tert-butyl ether	10	ND	NS*			
Methylcyclohexane		ND	NS*			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

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

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

All values reported as ug/L

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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 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-04		2017 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre- ISCO	3/31/17			
1,1,1-Trichloroethane	5	ND	ND			
1,1,2,2-Tetrachloroethane	5	ND	ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND			
1,1,2-Trichloroethane	1	ND	ND			
1,1-Dichloroethane	5	ND	ND			
1,1-Dichloroethene	5	ND	ND			
1,2, 4-Trichlorobenzene	5	ND	ND			
1,2-Dibromo-3-Chloropropane	0.04	ND	ND			
1,2-Dibromoethane		ND	ND			
1,2-Dichlorobenzene	3	ND	ND			
1,2-Dichloroethane	0.06	ND	ND			
1,2 -Dichloropropane	1	ND	ND			
1,3 Dichlorobenzene	3	ND	ND			
1,4-Dichlorobenzene	3	ND	ND			
2-Butanone (MEK))	50	ND	ND			
2-Hexanone		ND	ND			
4-Methyl-2-pentanone (MIBK)		ND	ND			
Acetone	50	ND	ND			
Benzene	1	ND	ND			
Bromodichloromethane	50	ND	ND			
Bromoform	50	ND	ND			
Bromomethane	5	ND	ND			
Carbon disulfide		ND	ND			
Carbon tetrachloride	5	ND	ND			
Chlorobenzene	5	ND	ND			
Chloroethane	5	ND	ND			
Chloroform	7	ND	ND			
Chloromethane		ND	ND			
cis-1,2-Dichloroethene	5	ND	ND			
cis-1,3-Dichloropropene	0.4	ND	ND			
Cyclohexane		ND	ND			
Dibromochloromethane		ND	ND			
Dichlorodifluoromethane	5	ND	ND			
Ethylbenzene	5	ND	ND			
Isopropylbenzene	5	ND	ND			
Methyl acetate		ND	ND			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

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

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1st QTR 3/28/17	2nd QTR	3rd QTR	4th QTR
Iron (EPA Method 6010B)	300	290	620			
Manganese (EPA Method 6010B)		4.9	15 B			
Nitrate as N (EPA Method 9056)	10,000	2,700	3,500			
Chemical Oxygen Demand (EPA Method 410.4)	NS	ND	12,700			
Total Organic Carbon (EPA Method 9060A)	NS	1,100	750 J B			

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 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-05		2017 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	ND	NS*			
1,1,2,2-Tetrachloroethane	5	ND	NS *			
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*			
1,1,2-TrichloroethaneD	1	ND	NS*			
1,1-DichloroethaneND	5	ND	NS*			
1,1-DichloroetheneND	5	ND	NS*			
1,2, 4-TrichlorobenzenNDe	5	ND	NS*			
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*			
1,2-Dibromoethane		ND	NS*			
1,2-Dichlorobenzene	3	ND	NS*			
1,2-Dichloroethane	0.06	ND	NS*			
1,2 -Dichloropropane	1	ND	NS*			
1,3 Dichlorobenzene	3	ND	NS*			
1,4-Dichlorobenzene	3	ND	NS*			
2-Butanone (MEK))	50	ND	NS*			
2-Hexanone		ND	NS*			
4-Methyl-2-pentanone (MIBK)		ND	NS*			
Acetone	50	ND	NS*			
Benzene	1	ND	NS*			
Bromodichloromethane	50	ND	NS*			
Bromoform	50	ND	NS*			
Bromomethane	5	ND	NS*			
Carbon disulfide		ND	NS*			
Carbon tetrachloride	5	ND	NS*			
Chlorobenzene	5	ND	NS*			
Chloroethane	5	ND	NS*			
Chloroform	7	ND	NS*			
Chloromethane		ND	NS*			
cis-1,2-Dichloroethene	5	1.5	NS*			
cis-1,3-Dichloropropene	0.4	ND	NS*			
Cyclohexane		ND	NS*			
Dibromochloromethane		ND	NS*			
Dichlorodifluoromethane	5	ND	NS*			
Ethylbenzene	5	ND	NS*			
Isopropylbenzene	5	ND	NS*			
Methyl acetate		ND	NS*			
Methyl tert-butyl ether	10	ND	NS*			
Methylcyclohexane		ND	NS*			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

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

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

All values reported as ug/L

ND-Analyzed for but NOT DETECTED

B – Compound was found in the blank and sample

J-Includes an estimated value

(*) No sample collected because well is too dry

Pre-ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

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

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-10		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	ND	ND			
1,1,2,2-Tetrachloroethane	5	ND	ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND			
1,1,2-Trichloroethane	1	180	ND			
1,1-Dichloroethane	5	ND	ND			
1,1-Dichloroethene	5	35	ND			
1,2, 4-Trichlorobenzene	5	ND	ND			
1,2-Dibromo-3-Chloropropane	0.04		ND			
1,2-Dibromoethane			ND			
1,2-Dichlorobenzene	3		ND			
1,2-Dichloroethane	0.06	ND	ND			
1,2 -Dichloropropane	1		ND			
1,3 Dichlorobenzene	3		ND			
1,4-Dichlorobenzene	3		ND			
2-Butanone (MEK))	50	1.4 J	ND			
2-Hexanone			ND			
4-Methyl-2-pentanone (MIBK)			ND			
Acetone	50	6.3 J	ND			
Benzene	1		ND			
Bromodichloromethane	50	ND	ND			
Bromoform	50	ND	ND			
Bromomethane	5		ND			
Carbon disulfide			ND			
Carbon tetrachloride	5	ND	ND			
Chlorobenzene	5		ND			
Chloroethane	5		ND			
Chloroform	7	ND	ND			
Chloromethane			ND			
cis-1,2-Dichloroethene	5	35	5.3			
cis-1,3-Dichloropropene	0.4	ND	ND			
Cyclohexane			ND			
Dibromochloromethane			ND			
Dichlorodifluoromethane	5	ND	ND			
Ethylbenzene	5	ND	ND			
Isopropylbenzene	5		ND			
Methyl acetate			ND			
Methyl tert-butyl ether	10		ND			
Methylcyclohexane			ND			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	1.4	ND			
Styrene	5	ND	ND			
Tetrachloroethene	5	ND	2.3			
Toluene	5	ND	ND			
trans-1,2-Dichloroethene	5	ND	ND			
Trans-1,3-Dichloropropene	0.4	ND	ND			
Trichloroethene	5	160	95			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2	ND	ND			
Xylenes, Total	5	ND	ND			

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	3630	2,300			
Manganese (EPA Method 6010B)			49 B			
Nitrate as N (EPA Method 9056)	10,000	3,000	3,700			
Chemical Oxygen Demand (EPA Method 410.4)	NS	8,100J	22,500			
Total Organic Carbon (EPA Method 9060A)	NS	1,800	1,700 B			

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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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 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-11		2017 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	ND	NS*			
1,1,2,2-Tetrachloroethane	5	ND	NS *			
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*			
1,1,2-TrichloroethaneD	1	ND	NS*			
1,1-DichloroethaneND	5	ND	NS*			
1,1-DichloroetheneND	5	ND	NS*			
1,2, 4-TrichlorobenzenNDe	5	ND	NS*			
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*			
1,2-Dibromoethane		ND	NS*			
1,2-Dichlorobenzene	3	ND	NS*			
1,2-Dichloroethane	0.06	ND	NS*			
1,2 -Dichloropropane	1	ND	NS*			
1,3 Dichlorobenzene	3	ND	NS*			
1,4-Dichlorobenzene	3	ND	NS*			
2-Butanone (MEK))	50	ND	NS*			
2-Hexanone		ND	NS*			
4-Methyl-2-pentanone (MIBK)		ND	NS*			
Acetone	50	ND	NS*			
Benzene	1	ND	NS*			
Bromodichloromethane	50	ND	NS*			
Bromoform	50	ND	NS*			
Bromomethane	5	ND	NS*			
Carbon disulfide		ND	NS*			
Carbon tetrachloride	5	ND	NS*			
Chlorobenzene	5	ND	NS*			
Chloroethane	5	ND	NS*			
Chloroform	7	ND	NS*			
Chloromethane		ND	NS*			
cis-1,2-Dichloroethene	5	1.5	NS*			
cis-1,3-Dichloropropene	0.4	ND	NS*			
Cyclohexane		ND	NS*			
Dibromochloromethane		ND	NS*			
Dichlorodifluoromethane	5	ND	NS*			
Ethylbenzene	5	ND	NS*			
Isopropylbenzene	5	ND	NS*			
Methyl acetate		ND	NS*			
Methyl tert-butyl ether	10	ND	NS*			
Methylcyclohexane		ND	NS*			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

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

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

All values reported as ug/L

ND-Analyzed for but NOT DETECTED

B – Compound was found in the blank and sample

J-Includes an estimated value

(*) No sample collected because well is too dry

Pre-ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

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

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-21		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5		ND			
1,1,2,2-Tetrachloroethane	5		ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND			
1,1,2-Trichloroethane	1		ND			
1,1-Dichloroethane	5		ND			
1,1-Dichloroethene	5		ND			
1,2, 4-Trichlorobenzene	5		ND			
1,2-Dibromo-3-Chloropropane	0.04		ND			
1,2-Dibromoethane			ND			
1,2-Dichlorobenzene	3		ND			
1,2-Dichloroethane	0.06		ND			
1,2 -Dichloropropane	1		ND			
1,3 Dichlorobenzene	3		ND			
1,4-Dichlorobenzene	3		ND			
2-Butanone (MEK))	50		ND			
2-Hexanone			ND			
4-Methyl-2-pentanone (MIBK)			ND			
Acetone	50		ND			
Benzene	1		ND			
Bromodichloromethane	50		ND			
Bromoform	50		ND			
Bromomethane	5		ND			
Carbon disulfide			ND			
Carbon tetrachloride	5		ND			
Chlorobenzene	5		ND			
Chloroethane	5		ND			
Chloroform	7		ND			
Chloromethane			ND			
cis-1,2-Dichloroethene	5		ND			
cis-1,3-Dichloropropene	0.4		ND			
Cyclohexane			ND			
Dibromochloromethane			ND			
Dichlorodifluoromethane	5		ND			
Ethylbenzene	5		ND			
Isopropylbenzene	5		ND			
Methyl acetate			ND			
Methyl tert-butyl ether	10		ND			
Methylcyclohexane			ND			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5		ND			
Styrene	5		ND			
Tetrachloroethene	5		2.1			
Toluene	5		ND			
trans-1,2-Dichloroethene	5		ND			
Trans-1,3-Dichloropropene	0.4		ND			
Trichloroethene	5		ND			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2		ND			
Xylenes, Total	5		ND			

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1st QTR 3/28/17	2nd QTR	3rd QTR	4th QTR
Iron (EPA Method 6010B)	300		370			
Manganese (EPA Method 6010B)			37 B			
Nitrate as N (EPA Method 9056)	10,000		33,800			
Chemical Oxygen Demand (EPA Method 410.4)	NS		24,500			
Total Organic Carbon (EPA Method 9060A)	NS		6,400 B			

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 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OB09-36		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	ND	ND			
1,1,2,2-Tetrachloroethane	5	ND	ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND			
1,1,2-Trichloroethane	1	ND	ND			
1,1-Dichloroethane	5	ND	ND			
1,1-Dichloroethene	5	ND	ND			
1,2, 4-Trichlorobenzene	5		ND			
1,2-Dibromo-3-Chloropropane	0.04		ND			
1,2-Dibromoethane			ND			
1,2-Dichlorobenzene	3		ND			
1,2-Dichloroethane	0.6	ND	ND			
1,2 -Dichloropropane	1	ND	ND			
1,3-Dichlorobenzene	3		ND			
1,4-Dichlorobenzene	3		ND			
2-Butanone (MEK))	50	ND	ND			
2-Hexanone			ND			
4-Methyl-2-pentanone (MIBK)	ND	ND	ND			
Acetone	50	ND	ND			
Benzene	1	ND	ND			
Bromodichloromethane	50	ND	ND			
Bromoform	50	ND	ND			
Bromomethane	5	ND	ND			
Carbon disulfide			ND			
Carbon tetrachloride	5	ND	ND			
Chlorobenzene	5	ND	ND			
Chloroethane	5	ND	ND			
Chloroform	7	ND	ND			
Chloromethane		ND	ND			
cis-1,2-Dichloroethene	5	12	ND			
cis-1,3-Dichloropropene	0.4	ND	ND			
Cyclohexane			ND			
Dibromochloromethane			ND			
Dichlorodifluoromethane	5		ND			
Ethylbenzene	5	ND	ND			
Isopropylbenzene	5		ND			
Methyl acetate			ND			
Methyl tert-butyl ether	10		ND			
Methylcyclohexane			ND			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

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

Other Analytes	GW Std (ug/L)	Pre- ISCO	1st QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	1,610	3,800			
Manganese (EPA Method 6010B)			130 B			
Nitrate as N (EPA Method 9056)	10,000	440	3,400			
Chemical Oxygen Demand (EPA Method 410.4)	NS	5,800	ND			
Total Organic Carbon (EPA Method 9060A)	NS	ND	740 J B			

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 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OB09-38		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	ND	ND			
1,1,2,2-Tetrachloroethane	5	ND	ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND			
1,1,2-Trichloroethane	1	ND	ND			
1,1-Dichloroethane	5	ND	ND			
1,1-Dichloroethene	5	ND	ND			
1,2, 4-Trichlorobenzene	5		ND			
1,2-Dibromo-3-Chloropropane	0.04		ND			
1,2-Dibromoethane			ND			
1,2-Dichlorobenzene	3		ND			
1,2-Dichloroethane	0.6	ND	ND			
1,2 -Dichloropropane	1	ND	ND			
1,3-Dichlorobenzene	3		ND			
1,4-Dichlorobenzene	3		ND			
2-Butanone (MEK))	50		ND			
2-Hexanone			ND			
4-Methyl-2-pentanone (MIBK)		ND	ND			
Acetone	50	ND	ND			
Benzene	1	ND	ND			
Bromodichloromethane	50	ND	ND			
Bromoform	50	ND	ND			
Bromomethane	5	ND	ND			
Carbon disulfide			ND			
Carbon tetrachloride	5	ND	ND			
Chlorobenzene	5	ND	ND			
Chloroethane	5	ND	ND			
Chloroform	7	ND	ND			
Chloromethane			ND			
cis-1,2-Dichloroethene	5	8	75			
Cis-1,3-Dichloropropene	0.4	ND	ND			
Cyclohexane			ND			
Dibromochloromethane			ND			
Dichlorodifluoromethane	5		ND			
Ethylbenzene	5	ND	ND			
Isopropylbenzene	5		ND			
Methyl acetate			ND			
Methyl tert-butyl ether	10		ND			
Methylcyclohexane			ND			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	ND	1.8 J			
Styrene	5	ND	ND			
Tetrachloroethene	5	ND	ND			
Toluene	5	ND	ND			
trans-1,2-Dichloroethene	5	ND	ND			
trans-1,3-Dichloropropene	0.4	ND	ND			
Trichloroethene	5	49	89			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2	ND	ND			
Xylenes, Total	5	ND	ND			

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	38,700	8,300			
Manganese (EPA Method 6010B)			310 B			
Nitrate as N (EPA Method 9056)	10,000	94	97			
Chemical Oxygen Demand (EPA Method 410.4)		3,900	9,100 J			
Total Organic Carbon (EPA Method 9060A)	NS	ND	570 J B			

All values reported as ug/L

ND – Analyzed for but NOT DETECTED

B – Compound was found in the blank and sample

J – Includes an estimated value

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

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

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

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW1-1		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	ND	ND			
1,1,2,2-Tetrachloroethane	5	ND	ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND			
1,1,2-Trichloroethane	1	ND	ND			
1,1-Dichloroethane	5	ND	ND			
1,1-Dichloroethene	5	ND	ND			
1,2, 4-Trichlorobenzene	5		ND			
1,2-Dibromo-3-Chloropropane	0.04		ND			
1,2-Dibromoethane			ND			
1,2-Dichlorobenzene	3		ND			
1,2-Dichloroethane	0.06	ND	ND			
1,2 -Dichloropropane	1	ND	ND			
1,3-Dichlorobenzene	3		ND			
1,4-Dichlorobenzene	3		ND			
2-Butanone (MEK))	50	ND	ND			
2-Hexanone			ND			
4-Methyl-2-pentanone (MIBK)		ND	ND			
Acetone	50	ND	ND			
Benzene	1	ND	ND			
Bromodichloromethane	50	ND	ND			
Bromoform	50	ND	ND			
Bromomethane	5	ND	ND			
Carbon disulfide			ND			
Carbon tetrachloride	5	ND	ND			
Chlorobenzene	5	ND	ND			
Chloroethane	5	ND	ND			
Chloroform	7	ND	ND			
Chloromethane		ND	ND			
cis-1,2-Dichloroethene	5	470	17			
Cis-1,3-Dichloropropene	0.4	ND	ND			
Cyclohexane			ND			
Dibromochloromethane			ND			
Dichlorodifluoromethane	5		ND			
Ethylbenzene	5	ND	ND			
Isopropylbenzene	5		ND			
Methyl acetate			ND			
Methyl tert-butyl ether	10		ND			
Methylcyclohexane			ND			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	<i>170 J</i>	ND			
Styrene	5	ND	ND			
Tetrachloroethene	5	34	7.1			
Toluene	5	ND	ND			
trans-1,2-Dichloroethene	5	ND	ND			
trans-1,3-Dichloropropene	0.4		ND			
Trichloroethene	5	2700	340			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2	ND	ND			
Xylenes, Total	5	ND	ND			

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	751	320			
Manganese (EPA Method 6010B)			17 B			
Nitrate as N (EPA Method 9056)	10,000	1,900	24,900			
Chemical Oxygen Demand (EPA Method 410.4)	NS	5,600J	10,100			
Total Organic Carbon (EPA Method)	NS	ND	1,100 B			

All values reported as ug/L

ND-Analyzed for but NOT DETECTED

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 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW1-2		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	ND	ND			
1,1,2,2-Tetrachloroethane	5	ND	ND			
1,1,2-Trichloro-1,2,2-trifluoroethane	5		ND			
1,1,2-Trichloroethane	1	ND	ND			
1,1-Dichloroethane	5	ND	ND			
1,1-Dichloroethene	5	ND	ND			
1,2, 4-Trichlorobenzene	5		ND			
1,2-Dibromo-3-Chloropropane	0.04		ND			
1,2-Dibromoethane			ND			
1,2-Dichlorobenzene	3		ND			
1,2-Dichloroethane	0.06	ND	ND			
1,2 -Dichloropropane	1	ND	ND			
1,3-Dichlorobenzene	3		ND			
1,4-Dichlorobenzene	3		ND			
2-Butanone (MEK)	50	ND	ND			
2-Hexanone			ND			
4-Methyl-2-pentanone (MIBK)		ND	ND			
Acetone	50	ND	ND			
Benzene	1	ND	ND			
Bromodichloromethane	50	ND	ND			
Bromoform	50	ND	ND			
Bromomethane	5	ND	ND			
Carbon disulfide			ND			
Carbon tetrachloride	5	ND	ND			
Chlorobenzene	5	ND	ND			
Chloroethane	5	ND	ND			
Chloroform	7		ND			
Chloromethane		ND	ND			
cis-1,2-Dichloroethene	5	4,800	1,800			
cis-1,3-Dichloropropene	0.4	ND	ND			
Cyclohexane			ND			
Dibromochloromethane			ND			
Dichlorodifluoromethane	5		ND			
Ethylbenzene	5	ND	ND			
Isopropylbenzene	5		ND			
Methyl acetate			ND			
Methyl tert-butyl ether	10		ND			
Methylcyclohexane			ND			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	1,300 J	ND			
Styrene	5	ND	ND			
Tetrachloroethene	5	440 J	140 J			
Toluene	5	ND	ND			
trans-1,2-Dichloroethene	5	ND	ND			
Trans-1,3-Dichloropropene	0.4	ND	ND			
Trichloroethene	5	49,000	9,200			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2	ND	ND			
Xylenes, Total	5	ND	ND			

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

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

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

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	1,060	ND			
Manganese (Method 6010B)			320 B			
Nitrate as N (EPA Method 9056)	10,000	7,400	10,600			
Chemical Oxygen Demand (EPA Method 410.4)		23,000	19,200			
Total Organic Carbon (EPA Method 9060A)	10,000	ND	3,600 B			

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)

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW1-3		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	ND	ND			
1,1,2,2-Tetrachloroethane	5	ND	ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND			
1,1,2-Trichloroethane	1	ND	ND			
1,1-Dichloroethane	5		ND			
1,1-Dichloroethene	5	ND	ND			
1,2, 4-Trichlorobenzene	5		ND			
1,2-Dibromo-3-Chloropropane	0.04	ND	ND			
1,2-Dibromoethane			ND			
1,2-Dichlorobenzene	3		ND			
1,2-Dichloroethane	0.06	ND	ND			
1,2 -Dichloropropane	1	ND	ND			
1,3-Dichlorobenzene	3		ND			
1,4-Dichlorobenzene	3		ND			
2-Butanone (MEK))	50	ND	ND			
2-Hexanone			ND			
4-Methyl-2-pentanone (MIBK)		ND	ND			
Acetone	50	ND	ND			
Benzene	1	ND	ND			
Bromodichloromethane	50	ND	ND			
Bromoform	50	ND	ND			
Bromomethane	5	ND	ND			
Carbon disulfide			ND			
Carbon tetrachloride	5	ND	ND			
Chlorobenzene	5	ND	ND			
Chloroethane	5	ND	ND			
Chloroform	7	ND	ND			
Chloromethane		ND	ND			
cis-1,2-Dichloroethene	5	190 J	890			
Cis-1,3-Dichloropropene	0.4	ND	ND			
Cyclohexane			ND			
Dibromochloromethane			ND			
Dichlorodifluoromethane	5		ND			
Ethylbenzene	5	ND	ND			
Isopropylbenzene	5		ND			
Methyl acetate			ND			
Methyl tert-butyl ether	10		ND			
Methylcyclohexane			ND			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	<i>190J</i>	ND			
Styrene	5	ND	ND			
Tetrachloroethene	5	ND	ND			
Toluene	5	ND	ND			
trans-1,2-Dichloroethene	5	ND	ND			
trans-1,3-Dichloropropene	0.4	ND	ND			
Trichloroethene	5	2,700	18,000			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2	ND	ND			
Xylenes, Total	5	ND	ND			

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	227 J	2,000			
Manganese (EPA Method 6010B)			5,100 B			
Nitrate as N (EPA Method 9056)	10,000	780	3,400			
Chemical Oxygen Demand (EPA Method 410.4)		3,700 J	19,200			
Total Organic Carbon (EPA Method 9060A)	NS	ND	2,600 B			

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 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW1-4		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	ND	ND			
1,1,2,2-Tetrachloroethane	5	ND	ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND			
1,1,2-Trichloroethane	1		ND			
1,1-Dichloroethane	5	ND	ND			
1,1-Dichloroethene	5	ND	ND			
1,2, 4-Trichlorobenzene	5		ND			
1,2-Dibromo-3-Chloropropane	0.04		ND			
1,2-Dibromoethane			ND			
1,2-Dichlorobenzene	3		ND			
1,2-Dichloroethane	0.06	ND	ND			
1,2 -Dichloropropane	1	ND	ND			
1,3-Dichlorobenzene	3		ND			
1,4-Dichlorobenzene	3		ND			
2-Butanone (MEK))	50	ND	ND			
2-Hexanone			ND			
4-Methyl-2-pentanone (MIBK)		ND	ND			
Acetone	50	ND	ND			
Benzene	1	ND	ND			
Bromodichloromethane	50	ND	ND			
Bromoform	50	ND	ND			
Bromomethane	5	ND	ND			
Carbon disulfide			ND			
Carbon tetrachloride	5	ND	ND			
Chlorobenzene	5	ND	ND			
Chloroethane	5	ND	ND			
Chloroform	7	ND	ND			
Chloromethane		ND	ND			
cis-1,2-Dichloroethene	5	13 J	30			
cis-1,3-Dichloropropene	0.4		ND			
Cyclohexane			ND			
Dibromochloromethane			ND			
Dichlorodifluoromethane	5		ND			
Ethylbenzene	5	ND	ND			
Isopropylbenzene	5		ND			
Methyl acetate			ND			
Methyl tert-butyl ether	10		ND			
Methylcyclohexane			ND			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	12 J	ND			
Styrene	5	ND	ND			
Tetrachloroethene	5	ND	ND			
Toluene	5	ND	ND			
trans-1,2-Dichloroethene	5	ND	ND			
trans-1,3-Dichloropropene	0.4	ND	ND			
Trichloroethene	5	320	610			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2	ND	ND			
Xylenes, Total	5	ND	ND			

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	209 J	6,400			
Manganese (EPA Method 6010B)			1,200 B			
Nitrate as N (EPA Method 9056)	10,000	3,000	4,500			
Chemical Oxygen Demand (EPA Method 410.4)		ND	38,800			
Total Organic Carbon (EPA Method 9060A)	NS	ND	ND			

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 2017 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW2-2		2017 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/28/17			
1,1,1-Trichloroethane	5	ND	ND			
1,1,2,2-Tetrachloroethane	5	ND	ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND			
1,1,2-Trichloroethane	1	ND	ND			
1,1-Dichloroethane	5	ND	ND			
1,1-Dichloroethene	5	ND	ND			
1,2, 4-Trichlorobenzene	5	ND	ND			
1,2-Dibromo-3-Chloropropane	0.04	ND	ND			
1,2-Dibromoethane		ND	ND			
1,2-Dichlorobenzene	3	ND	ND			
1,2-Dichloroethane	0.6	ND	ND			
1,2 -Dichloropropane	1	ND	ND			
1,3-Dichlorobenzene	3	ND	ND			
1,4-Dichlorobenzene	3	ND	ND			
2-Butanone (MEK))	50	ND	ND			
2-Hexanone		ND	ND			
4-Methyl-2-pentanone (MIBK)		ND	ND			
Acetone	50	ND	ND			
Benzene	1	ND	ND			
Bromodichloromethane	50	ND	ND			
Bromoform	50	ND	ND			
Bromomethane	5	ND	ND			
Carbon disulfide		ND	ND			
Carbon tetrachloride	5	ND	ND			
Chlorobenzene	5	ND	ND			
Chloroethane	5	ND	ND			
Chloroform	7	ND	ND			
Chloromethane		ND	ND			
cis-1,2-Dichloroethene	5	140	14			
Cis-1,3-Dichloropropene	0.4	ND	ND			
Cyclohexane		ND	ND			
Dibromochloromethane		ND	ND			
Dichlorodifluoromethane	5	ND	ND			
Ethylbenzene	5	ND	ND			
Isopropylbenzene	5	ND	ND			
Methyl acetate		ND	ND			
Methyl tert-butyl ether	10	ND	ND			
Methylcyclohexane		ND	ND			

Table 3 - Pass & Seymour 2017 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	20 JB	ND			
Styrene	5	ND	ND			
Tetrachloroethene	5	ND	ND			
Toluene	5	ND	ND			
trans-1,2-Dichloroethene	5	ND	ND			
trans-1,3-Dichloropropene	0.4	ND	ND			
Trichloroethene	5	1200	49			
Trichlorofluoromethane	5	ND	ND			
Vinyl chloride	2	ND	ND			
Xylenes, Total	5	ND	ND			

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/28/17	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	239,000	2,900			
Manganese (EPA Method 6010B)		3,640	540 B			
Nitrate as N (EPA Method 9056)	10,000	210	5,100			
Chemical Oxygen Demand (EPA Method 410.4)		193,000	9,800 J			
Total Organic Carbon (EPA Method 9060A)		ND	1,100 B			

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: PAS and SEYMOUR

Sample Point ID: MW-05-02

Field Personnel: PL RE, AD, TW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-28-17 1 1136

Cond of seal: ☒ Good () Cracked () None () Buried _____ %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: () Unlocked () Good () Loose ☒ Flush Mount () Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): _____ % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): _____ Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: 3-28-17 / 1138

Date / Time Completed: 3-28-17 / 1143

Surf. Meas. Pt: () Prot. Casing ☒ Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 7.85

Elevation. G/W MSL: _____

Well Total Depth, Feet: 10.10

Method of Well Purge: Pencil BAKER

One (1) Riser Volume, Gal: 0.37

Dedicated: ☒ N Well kinked

Total Volume Purged, Gal: 0.37 TO DRY

Purged To Dryness ☒ N

Purge Observations: _____

Start clear Finish clear

PURGE DATA (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION

POINT ID MW-05-02

Date/Time 3-28-17 1

Water Level @ Sampling, Feet: 9.85

Method of Sampling: _____ Dedicated: Y / N

Multi-phased/ layered: () Yes () No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)

INSTRUMENT CALIBRATION/CHECK DATA

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								

GENERAL INFORMATION

Weather conditions @ time of sampling: cloudy 50

Sample Characteristics: _____

COMMENTS AND OBSERVATIONS: NO RECHARGE NOT SAMPLED

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

Date: 3/28/17 By: RJ Company: TAL

FIELD OBSERVATIONS

Facility: PASS AND SEYMOUR

Sample Point ID: MW-08-03

Field Personnel: PL REAP TW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-28-17 1 1100

Cond of seal: ☒ Good ☐ Cracked ☐ None ☐ Buried %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: ☐ Unlocked ☐ Good
☐ Loose ☒ Flush Mount
☐ Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: _____

Date / Time Completed: _____

Surf. Meas. Pt: ☐ Prot. Casing ☐ Riser

Riser Diameter, Inches: _____

Initial Water Level, Feet: Dry @ 11.34

Elevation, G/W MSL: _____

Well Total Depth, Feet: _____

Method of Well Purge: _____

One (1) Riser Volume, Gal: _____

Dedicated: Y / N

Total Volume Purged, Gal: _____

Purged To Dryness Y / N

Purge Observations: _____

Start _____ Finish _____

PURGE DATA (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

SAMPLING INFORMATION

If YES: ☐ light ☐ heavy

SALINITY

INSTRUMENT CALIBRATION/CHECK DATA

GENERAL INFORMATION

NOT SHALL Day

TAL

FIELD OBSERVATIONS

Facility: PASS AND SEYMOUR

Sample Point ID: mw-05-04

Field Personnel: PL REAPTW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-26-17 1 020

Cond of seal: () Good () Cracked _____ %
() None () Buried

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: () Unlocked () Good
() Loose () Flush Mount
() Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): _____ % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): _____ Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: 3-26-17 / 022

Date / Time Completed: 3-26-17 / 023

Surf. Meas. Pt: () Prot. Casing ☒ Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 7.83

Elevation, G/W MSL: _____

Well Total Depth, Feet: 10.90

Method of Well Purge: BALN

One (1) Riser Volume, Gal: 0.50

Dedicated: ☒ N

Total Volume Purged, Gal: 0.5 TO 1.0

Purged To Dryness ☒ N

Purge Observations: _____

Start CL Finish CL

PURGE DATA (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID MW-05-04

Date/Time 3-28-17 1 1236 Water Level @ Sampling, Feet: 7.32

Method of Sampling: BAIL Dedicated: (Y)IN

Multi-phased/ layered: () Yes (X) No If YES: () light () heavy

SAMPLING DATA:

SALINITY

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)		Turb. (NTU)	Other (ORP)	Other (DO)
1237	11.1	7.20	0.60	1150	7.95	39	0.39

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: clw 51

Sample Characteristics: clw

COMMENTS AND OBSERVATIONS:

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

Date: 3/28/17 By: R/L Company: TAL

FIELD OBSERVATIONS

Facility: PAS and Seymour

Sample Point ID: MW-05-05

Field Personnel: PL REAPTW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-28-17 1

Cond of seal: () Good () Cracked () None () Buried %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: () Unlocked () Good
() Loose () Flush Mount
() Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: _____

Date / Time Completed: _____

Surf. Meas. Pt: () Prot. Casing () Riser

Riser Diameter, Inches: _____

Initial Water Level, Feet: DRY @ 10.50

Elevation. G/W MSL: _____

Well Total Depth, Feet: _____

Method of Well Purge: _____

One (1) Riser Volume, Gal: _____

Dedicated: Y / N

Total Volume Purged, Gal: _____

Purged To Dryness Y / N

Purge Observations: _____

Start _____ Finish _____

PURGE DATA (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION

POINT ID MW 05-05

Date/Time 1

Water Level @ Sampling, Feet: _____

Method of Sampling: _____ Dedicated: Y / N

Multi-phased/ layered: () Yes () No If YES: () light () heavy

SAMPLING DATA:

SALINITY

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (<u>ORP</u>)	Other (<u>DO</u>)

INSTRUMENT CALIBRATION/CHECK DATA

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1,413 µmhos/cm	Check. Std 1,413 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								

GENERAL INFORMATION

Weather conditions @ time of sampling: _____

Sample Characteristics: _____

COMMENTS AND OBSERVATIONS: well 007 NOT SAMPLED

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

Date: 3/26/17

By: R L

Company: TAL

FIELD OBSERVATIONS

Facility: PASJ AND SEYMOUR

Sample Point ID: MW-05-10

Field Personnel: PL REAP TW

Sample Matrix: GW

MONITORING WELL INSPECTION:

Date/Time 3-28-17 1 1033

Cond of seal: ☒ Good ☐ Cracked ☐ None ☐ Buried %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: ☐ Unlocked ☐ Good
☐ Loose ☒ Flush Mount
☐ Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 1

PURGE INFORMATION:

Date / Time Initiated: 3-28-17 / 1050

Date / Time Completed: 3-28-17 / 1055

Surf. Meas. Pt: ☐ Prot. Casing ☒ Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 12.82

Elevation, GW MSL: _____

Well Total Depth, Feet: 19.20

Method of Well Purge: Bulk

One (1) Riser Volume, Gal: 1.04

Dedicated: ☒ N

Total Volume Purged, Gal: 3.0

Purged To Dryness Y ☒ N

Purge Observations: _____

Start clear Finish 70/80

PURGE DATA (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

SAMPLING INFORMATION

Water Level @ Sampling, Feet: 12.95

Method of Sampling: BAL Dedicated: Y/N

Multi-phased/ layered: () Yes ☒ No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm) ↓		Turb. (NTU)	Other (ORP)	Other (DO)
1354	11.1	7.47	3.4	8550	68.2	70	0.61

INSTRUMENT CALIBRATION/CHECK DATA

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU ($\pm 10\%$)	Cal.Std 1,413 $\mu\text{mhos/cm}$	Check.Std 1,413 $\mu\text{mhos/cm}$ ($\pm 10\%$)	Cal.Std 10 NTU	Check Std 10 NTU ($\pm 10\%$)
Solution ID#								

GENERAL INFORMATION

Weather conditions @ time of sampling: clear sky

Sample Characteristics: SL Turbine

COMMENTS AND OBSERVATIONS: _____

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

Date: 3/28/17 By: [Signature] Company: 7/17C

FIELD OBSERVATIONS

Facility: PAS AND SEYMOUR

Sample Point ID: MW-05-11

Field Personnel: PL REAP TW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-28-17 1

Cond of seal: ☐ Good ☐ Cracked ☐ None ☐ Buried %

Prot. Casing/riser height:

Cond of prot. Casing/riser: ☐ Unlocked ☐ Good
☐ Loose ☐ Flush Mount
☐ Damaged

If prot.casing; depth to riser below:

Gas Meter (Calibration/ Reading): % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated:

Date / Time Completed:

Surf. Meas. Pt: ☐ Prot. Casing ☐ Riser

Riser Diameter, Inches:

Initial Water Level, Feet: DRY @ 1047

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge:

One (1) Riser Volume, Gal:

Dedicated: Y / N

Total Volume Purged, Gal:

Purged To Dryness Y / N

Purge Observations:

Start Finish

PURGE DATA (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID mw-05-11

Date/Time 3-26-17 1

Water Level @ Sampling, Feet: _____

Method of Sampling: _____ Dedicated: Y / N

Multi-phased/ layered: () Yes () No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (<u>ORP</u>)	Other (<u>DO</u>)

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: _____

Sample Characteristics: _____

COMMENTS AND OBSERVATIONS: DRY NOT SAMPLE

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

Date: 3/26/17 By: [Signature] Company: TAL

FIELD OBSERVATIONS

Facility: PAS AND SEYMOUR

Sample Point ID: OW-1-1

Field Personnel: PL RE AP TW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-28-17 1-1030

Cond of seal: ☒ Good () Cracked () None () Buried %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: () Unlocked () Good () Loose ☒ Flush Mount () Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: 3-28-17 / 1037

Date / Time Completed: 3-28-17 / 1048

Surf. Meas. Pt: () Prot. Casing ☒ Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 12.22

Elevation. G/W MSL: _____

Well Total Depth, Feet: 23.40

Method of Well Purge: BAIL

One (1) Riser Volume, Gal: 1.03

Dedicated: ☒ N

Total Volume Purged, Gal: 5.5

Purged To Dryness Y ☒ N

Purge Observations: _____

Start Clear Finish SL TURBID

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID OW-1-1

Date/Time 3-28-17 1 1400

Water Level @ Sampling, Feet: 12.22

Method of Sampling: BAIL Dedicated: ☒ Y ☐ N

Multi-phased/ layered: () Yes ☒ No If YES: () light () heavy

SAMPLING DATA:

SALINITY

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm) <u>Y</u>		Turb. (NTU)	Other (<u>ORP</u>)	Other (<u>DO</u>)
<u>1401</u>	<u>11.0</u>	<u>7.53</u>	<u>0.5</u>	<u>2020</u>	<u>6.54</u>	<u>87</u>	<u>0.74</u>

INSTRUMENT CALIBRATION/CHECK DATA

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: cloudy 50

Sample Characteristics: clear

COMMENTS AND OBSERVATIONS:

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

Date: 3/28/17 By: [Signature] Company: TAL

FIELD OBSERVATIONS

Facility: PAS AND SEYMOUR

Sample Point ID: 06-1-3

Field Personnel: PL REAP TW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time: 3-20-17 11:35

Cond of seal: ☒ Good ☐ Cracked ☐ None ☐ Buried %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: ☐ Unlocked ☐ Good
☐ Loose ☒ Flush Mount
☐ Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): _____ % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): _____ Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: 3-20-17 / 1138

Date / Time Completed: 3-20-17 / 1140

Surf. Meas. Pt: ☐ Prot. Casing ☒ Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 14.23

Elevation. GW MSL: _____

Well Total Depth, Feet: 26.00

Method of Well Purge: TRASH PUMP

One (1) Riser Volume, Gal: 1.92

Dedicated: ☒ Kink In Riser

Total Volume Purged, Gal: 6.0

Purged To Dryness ☒ Y / ☒ N

Purge Observations: _____

Start Clear Finish SL TURBID

PURGE DATA (If applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

SAMPLING INFORMATION

Date/Time

Method of Sampling:

Multi-phased/ layered: () Yes

Water Level @ Sampling, Feet:

Dedicated: Y/N

If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm) ↓		Turb. (NTU)	Other (ORP)	Other (DO)
1240	10.7	7.30	1.4	4050	11.06	87	0.70

INSTRUMENT CALIBRATION/CHECK DATA

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU ($\pm 10\%$)	Cal.Std 1,413 $\mu\text{mhos/cm}$	Check.Std 1,413 $\mu\text{mhos/cm}$ ($\pm 10\%$)	Cal.Std 10 NTU	Check Std 10 NTU ($\pm 10\%$)
Solution ID#								

GENERAL INFORMATION

Weather conditions @ time of sampling:

Sample Characteristics:

COMMENTS AND OBSERVATIONS:

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

Date:

By:

Company:

FIELD OBSERVATIONS

Facility: PAS No SEYmore

Sample Point ID: OW-1-4

Field Personnel: PL RE, AP TW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-28-17 1:05

Cond of seal: ☒ Good () Cracked
() None () Buried

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: () Unlocked () Good
() Loose ☒ Flush Mount
() Damaged

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): _____ % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): _____ Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: 3-28-17 / 8:00

Date / Time Completed: 3-28-17 / 059

Surf. Meas. Pt: () Prot. Casing ☒ Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 15.72

Elevation. G/W MSL: _____

Well Total Depth, Feet: 28.12

Method of Well Purge: BAW

One (1) Riser Volume, Gal: 2.09

Dedicated: ☒ Y () N

Total Volume Purged, Gal: 6.5

Purged To Dryness Y () N

Purge Observations: _____

Start clear Finish clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID OW-1-7
 Date/Time 3-28-17 1 1215 Water Level @ Sampling, Feet: 15.02
 Method of Sampling: BAL Dedicated: YIN
 Multi-phased/ layered: () Yes Y No IF YES: () light () heavy

SAMPLING DATA:

SALINITY

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)		Turb. (NTU)	Other (ORP)	Other (DO)
<u>1216</u>	<u>12.3</u>	<u>7.22</u>	<u>0.60</u>	<u>1160</u>	<u>5.31</u>	<u>52</u>	<u>0.30</u>

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1,413 µmhos/cm	Check. Std 1,413 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: clouds
 Sample Characteristics: clear

COMMENTS AND OBSERVATIONS:

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

Date: 3/28/17 By: [Signature] Company: TAL

FIELD OBSERVATIONS

Facility: PASS AND SEYMOUR

Sample Point ID: BA-9-37

Field Personnel: PL REAP JW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-28-17 1 810

Cond of seal: ☒ Good ☐ Cracked ☐ None ☐ Buried %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: ☐ Unlocked ☐ Good
☐ Loose ☒ Flush Mount
☐ Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): _____ % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): _____ Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: 3-28-17 / 812

Date / Time Completed: 3-28-17 / 817

Surf. Meas. Pt: ☐ Prot. Casing ☒ Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 15.31

Elevation, G/W MSL: _____

Well Total Depth, Feet: 24.50

Method of Well Purge: BAIL

One (1) Riser Volume, Gal: 1.50

Dedicated: ☒ N

Total Volume Purged, Gal: 4.5

Purged To Dryness Y / ☒ N

Purge Observations: _____

Start CLT Finish TUR

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

SAMPLING INFORMATION

Water Level @ Sampling, Feet: 15.39

Method of Sampling: BAW Dedicated: YN

Multi-phased/ layered: ☐ Yes ☒ No If YES: ☐ light ☐ heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm) ↓		Turb. (NTU)	Other (ORP)	Other (DO)
1246	11.8	7.26	0.70	2600	8.72	86	.41

INSTRUMENT CALIBRATION/CHECK DATA

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								

GENERAL INFORMATION

Weather conditions @ time of sampling:

Sample Characteristics:

COMMENTS AND OBSERVATIONS:

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

Date: 3.12.17

By:

Company:

FIELD OBSERVATIONS

Facility: PAS and SEYMOUR

Sample Point ID: BR-9-39

Field Personnel: PL REAP TW

Sample Matrix: GW

MONITORING WELL INSPECTION:

Date/Time 3-28-17 1 850

Cond of seal: ☒ Good ☐ Cracked ☐ None ☐ Buried %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: ☐ Unlocked ☐ Good
☐ Loose ☒ Flush Mount
☐ Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 1

PURGE INFORMATION:

Date / Time Initiated: 3-28-17/852

Date / Time Completed: 3-28-17/0904

Surf. Meas. Pt: ☐ Prot. Casing ☒ Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 18.20

Elevation, G/W MSL: _____

Well Total Depth, Feet: 30.50

Method of Well Purge: BPL

One (1) Riser Volume, Gal: 2.01

Dedicated: ☒ Y ☐ N

Total Volume Purged, Gal: 6.0

Purged To Dryness ☒ Y ☐ N

Purge Observations: _____

Start cle Finish cle

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION

POINT ID BL 9-39

Date/Time 3-26-17 1 1205

Water Level @ Sampling, Feet: 18.05

Method of Sampling: BAL

Dedicated: YIN

Multi-phased/ layered: () Yes ☒ No

If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm) ↓	Turb. (NTU)	Other (ORP)	Other (DO)
<u>10 1205</u>	<u>12.8</u>	<u>6.45</u>	<u>0.6</u> <u>1200</u>	<u>3.98</u>	<u>168</u>	<u>0.61</u>

INSTRUMENT CALIBRATION/CHECK DATA

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1,413 µmhos/cm	Check. Std 1,413 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								

GENERAL INFORMATION

Weather conditions @ time of sampling: cloudy 50

Sample Characteristics: clear

COMMENTS AND OBSERVATIONS:

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

Date: 3/26/17

By: RJ

Company: TAL

FIELD OBSERVATIONS

Facility: PASS AND SEYMOUR

Sample Point ID: TW-21

Field Personnel: PL RE AP JW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-28-17 1 1024

Cond of seal: ☒ Good () Cracked () None () Buried %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: () Unlocked () Good () Loose ☒ Flush Mount () Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: 3-28-17 / 1042

Date / Time Completed: 3-28-17 / 1054

Surf. Meas. Pt: () Prot. Casing ☒ Riser

Riser Diameter, Inches: 4.10

Initial Water Level, Feet: 15.27

Elevation, G/W MSL: _____

Well Total Depth, Feet: 36.00

Method of Well Purge: TRAIL PUR

One (1) Riser Volume, Gal: 13.53

Dedicated: ☒ Y / N

Total Volume Purged, Gal: 40.5

Purged To Dryness Y / ☒ N

Purge Observations: _____

Start Clear Finish 5.0000

PURGE DATA (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

SAMPLING INFORMATION

Water Level @ Sampling, Feet: 15.31

Method of Sampling: BALC Dedicated: YN

Multi-phased/ layered: () Yes ☒ No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)		Turb. (NTU)	Other (ORP)	Other (DO)
1331	11.2	6.96	0.5	1980	16.4	65	0.7

INSTRUMENT CALIBRATION/CHECK DATA

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU ($\pm 10\%$)	Cal.Std 1,413 $\mu\text{mhos/cm}$	Check.Std 1,413 $\mu\text{mhos/cm}$ ($\pm 10\%$)	Cal.Std 10 NTU	Check Std 10 NTU ($\pm 10\%$)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: cloudy 50

Sample Characteristics: clear

COMMENTS AND OBSERVATIONS: _____

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

Date: 3/20/17 By: [Signature] Company: TAC

FIELD OBSERVATIONS

Facility: PAS M^o SEY Mound

Sample Point ID: Iw2-3

Field Personnel: PL RE AP JW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-28-17 1:1021

Cond of seal: ☒ Good () Cracked () None () Buried %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: () Unlocked () Good () Loose ☒ Flush Mount () Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: 3-28-17 / 1025

Date / Time Completed: 3-28-17 / 1037

Surf. Meas. Pt: () Prot. Casing ☒ Riser

Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 15.27 13.59

Elevation. G/W MSL: _____

Well Total Depth, Feet: 34.82

Method of Well Purge: TRAIL pump

One (1) Riser Volume, Gal: 13.85

Dedicated: ☒ N

Total Volume Purged, Gal: 38 42

Purged To Dryness Y / ☒ N

Purge Observations: _____

Start CL Finish CL

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID IW-2-3

Date/Time 3-28-17 1 1321

Water Level @ Sampling, Feet: 13.65

Method of Sampling: BAIL Dedicated: DIN

Multi-phased/ layered: () Yes ☒ No If YES: () light () heavy

SAMPLING DATA:

SALINITY

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm) <u>N</u>	Turb. (NTU)	Other (ORP)	Other (DO)
1320	9.6	7.51	0.5 1770	0.20	84	0.64

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1,413 µmhos/cm	Check. Std 1,413 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: clouds 50

Sample Characteristics: clear

COMMENTS AND OBSERVATIONS:

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

Date: 3/28/17 By: R Company: TAL

FIELD OBSERVATIONS

Facility: PASS AND SEYMOUR

Sample Point ID: OB-9-36

Field Personnel: PL RE AP TW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-28-17 1 1020

Cond of seal: ☒ Good () Cracked _____ %
() None () Buried

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: () Unlocked () Good
() Loose ☒ Flush Mount
() Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): _____ % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): _____ Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: 3-28-17/1030

Date / Time Completed: 3-28-17/1045

Surf. Meas. Pt: () Prot. Casing ☒ Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 12.07

Elevation. G/W MSL: _____

Well Total Depth, Feet: 34.50

Method of Well Purge: BAIL

One (1) Riser Volume, Gal: 3.66

Dedicated: ☒ N

Total Volume Purged, Gal: 11

Purged To Dryness Y ☒ N

Purge Observations: _____

Start clear Finish SE 7000

PURGE DATA (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID OB-9-36

Date/Time 3-28-17 1 1310

Water Level @ Sampling, Feet: 12.07

Method of Sampling: BALLOON Dedicated: ☒ N

Multi-phased/ layered: () Yes ☒ No If YES: () light () heavy

SAMPLING DATA:

SALINITY

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
1314	9.3	7.36	1.2	5060	26.0	58
				26.8		0.77

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal Std 1,413 µmhos/cm	Check Std 1,413 µmhos/cm (± 10%)	Cal Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: CLOUDY 50

Sample Characteristics: SL. TURBID

COMMENTS AND OBSERVATIONS:

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

Date: 3/28/17

By: [Signature]

Company: TAL

FIELD OBSERVATIONS

Facility: PASS MO SEYMOUR

Sample Point ID: 08-9-38

Field Personnel: PL RE AP JW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-28-17 1 1052

Cond of seal: ☒ Good ☐ Cracked ☐ None ☐ Buried %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: ☐ Unlocked ☐ Good
☐ Loose ☒ Flush Mount
☐ Damaged

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: 3-28-17 1058

Date / Time Completed: 3-28-17 1106

Surf. Meas. Pt: ☐ Prot. Casing ☒ Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 13.79

Elevation. G/W MSL: _____

Well Total Depth, Feet: 33.30

Method of Well Purge: BAW

One (1) Riser Volume, Gal: 3.18

Dedicated: ☒ N

Total Volume Purged, Gal: 10

Purged To Dryness ☒ Y ☐ N

Purge Observations: _____

Start Clear Finish TURBID

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION

POINT ID 08-9-38

Date/Time 3-28-17 1 1343

Water Level @ Sampling, Feet: 13.84

Method of Sampling: BAL Dedicated: ☒ Y ☐ N

Multi-phased/ layered: () Yes ☒ No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm) <u>SALINITY</u>	Turb. (NTU)	Other (ORP)	Other (DO)
1344	10.9	7.00	1.3 3990	29.7	64	0.95

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1,413 µmhos/cm	Check. Std 1,413 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: cloudy 50

Sample Characteristics: SL TURBID

COMMENTS AND OBSERVATIONS:

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

Date: 3/28/17

By: [Signature]

Company: TAL

FIELD OBSERVATIONS

Facility: PASJ AND SEYMOUR

Sample Point ID: BR-10-4

Field Personnel: PL RE AP JW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-28-17 1 835

Cond of seal: ☒ Good ☐ Cracked ☐ None ☐ Buried %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: ☐ Unlocked ☐ Good
☐ Loose ☒ Flush Mount
☐ Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: 3-28-17 / 842

Date / Time Completed: 3-28-17 / 0900

Surf. Meas. Pt: ☐ Prot. Casing ☒ Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 10.16

Elevation. G/W MSL: _____

Well Total Depth, Feet: 26.75

Method of Well Purge: BAIL

One (1) Riser Volume, Gal: 2.24 2.71

Dedicated: ☒ N

Total Volume Purged, Gal: 8.0

Purged To Dryness Y ☒ N

Purge Observations: _____

Start CL Finish SC 70080

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

SAMPLING INFORMATION:

Water Level @ Sampling, Feet: 10.22

Dedicated: Y / N

If YES: () light () heavy

SALINITY

SAMPLING DATA:							
Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm) λ		Turb. (NTU)	Other (ORP)	Other (DO)
1221	10.2	7.85	0.30	56	5.03	58	0.93
				5760			

INSTRUMENT CALIBRATION/CHECK DATA

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU ($\pm 10\%$)	Cal.Std 1,413 $\mu\text{mhos/cm}$	Check.Std 1,413 $\mu\text{mhos/cm}$ ($\pm 10\%$)	Cal.Std 10 NTU	Check Std 10 NTU ($\pm 10\%$)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: Cloudy 51

Sample Characteristics: clear

COMMENTS AND OBSERVATIONS:

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

TAC

FIELD OBSERVATIONS

Facility: PAS AND SEYMOUR

Sample Point ID: BR-10-47

Field Personnel: PL RE AP TW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-29-17 1 0830

Cond of seal: ☒ Good () Cracked () None () Buried %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: () Unlocked () Good () Loose ☒ Flush Mount () Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: 3-29-17 / 0833

Date / Time Completed: 3-29-17 / 0854

Surf. Meas. Pt: () Prot. Casing ☒ Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 10.25

Elevation, G/W MSL: _____

Well Total Depth, Feet: 27.82

Method of Well Purge: BAIL

One (1) Riser Volume, Gal: 2.86

Dedicated: ☒ N

Total Volume Purged, Gal: 8.5

Purged To Dryness Y ☒ N

Purge Observations: _____

Start Clear Finish SL 701110

PURGE DATA (If applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

SAMPLING INFORMATION

Water Level @ Sampling, Feet: 10.33

Method of Sampling: BAL Dedicated: WIN

Multi-phased/ layered: ☐ Yes ☒ No If YES: ☐ light ☐ heavy

SAMPLING DATA:

SAMPLING DATA:							
Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm) ↓		Turb. (NTU)	Other (ORP)	Other (DO)
1231	11.0	7.40	1.1	2490	5.28	85	0.43

INSTRUMENT CALIBRATION/CHECK DATA

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU ($\pm 10\%$)	Cal.Std 1,413 $\mu\text{mhos/cm}$	Check.Std 1,413 $\mu\text{mhos/cm}$ ($\pm 10\%$)	Cal.Std 10 NTU	Check Std 10 NTU ($\pm 10\%$)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: cloudy 51

Sample Characteristics: clear

COMMENTS AND OBSERVATIONS:

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

Date: 3/26/17 By: RZ Company: TAL

FIELD OBSERVATIONS

Facility: PAS M SEYMOUR

Sample Point ID: BR-7-31

Field Personnel: PL RE AP TW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-28-17 1 945

Cond of seal: ☒ Good () Cracked () None () Buried %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: () Unlocked ☒ Good
() Loose () Flush Mount
() Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: 3-28-17 / 947

Date / Time Completed: 3-28-17 / 958

Surf. Meas. Pt: () Prot. Casing ☒ Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 5.83

Elevation, G/W MSL: _____

Well Total Depth, Feet: 19.93

Method of Well Purge: BAW

One (1) Riser Volume, Gal: 2.30

Dedicated: ☒ N

Total Volume Purged, Gal: 7.0

Purged To Dryness Y / ☒ N

Purge Observations: _____

Start Clear Finish Clear

PURGE DATA (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION

POINT ID BA-7-31

Date/Time 3-28-07 1 1306

Water Level @ Sampling, Feet: 5.35

Method of Sampling: BAILO Dedicated: GIN

Multi-phased/ layered: () Yes ☒ No If YES: () light () heavy

SAMPLING DATA:

SALINITY

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm) <u>✓</u>	Turb. (NTU)	Other (ORP)	Other (DO)
<u>1307</u>	<u>8.3</u>	<u>6.93</u>	<u>1.0</u> <u>2700</u>	<u>3.07</u>	<u>89</u>	<u>0.73</u>

INSTRUMENT CALIBRATION/CHECK DATA

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1,413 µmhos/cm	Check. Std 1,413 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: LT Rain 50

Sample Characteristics: cl.

COMMENTS AND OBSERVATIONS:

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

Date: 3/28/07 By: RJ Company: TAL

FIELD OBSERVATIONS

Facility: PAS AND SEYMOUR

Sample Point ID: BR-5-21

Field Personnel: PL RE AP TW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-28-17 1 1000

Cond of seal: ☒ Good ☐ Cracked ☐ None ☐ Buried %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: ☐ Unlocked ☒ Good
☐ Loose ☐ Flush Mount
☐ Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: 3-28-17 1003

Date / Time Completed: 3-28-17 1011

Surf. Meas. Pt: ☐ Prot. Casing ☒ Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 4.38

Elevation. GW MSL: _____

Well Total Depth, Feet: 12.00

Method of Well Purge: BAL

One (1) Riser Volume, Gal: 1.24

Dedicated: ☒ Y ☐ N

Total Volume Purged, Gal: 4.0

Purged To Dryness ☒ Y ☐ N

Purge Observations: _____

Start CL Finish TURBID

PURGE DATA (If applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

SAMPLING INFORMATION:

Date/Time

BR 5.21

3-28-77 1 1310

Water Level @ Sampling, Feet:

4.05

Method of Sampling:

BAK-

Dedicated:

 $\frac{Y}{N}$

Multi-phased/ layered:

() Yes

~~(A)~~-No

If YES:

() light

() heavy

SAMPLING DATA:

SALINITY

SAMPLING DATA:							
Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)		Turb. (NTU)	Other (ORP)	Other (DO)
1311	7.9	7.38	0.3	1700	3.34	70	0.63

INSTRUMENT CALIBRATION/CHECK DATA

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU ($\pm 10\%$)	Cal.Std 1,413 $\mu\text{mhos/cm}$	Check.Std 1,413 $\mu\text{mhos/cm}$ ($\pm 10\%$)	Cal.Std 10 NTU	Check Std 10 NTU ($\pm 10\%$)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling:

LT RAIN SZ

Sample Characteristics:

Cler-

COMMENTS AND OBSERVATIONS:

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

Date:

3 128177

By:

22

Company:

TAC

FIELD OBSERVATIONS

Facility: PASS MO SEYMOUR

Sample Point ID: OW-2-2

Field Personnel: PL REAP TW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-28-17 1 1023

Cond of seal: ☒ Good ☐ Cracked ☐ None ☐ Buried %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: ☐ Unlocked ☐ Good
☐ Loose ☒ Flush Mount
☐ Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: 3-28-17 1055

Date / Time Completed: 3-28-17 1114

Surf. Meas. Pt: ☐ Prot. Casing ☒ Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 13.62

Elevation. G/W MSL: _____

Well Total Depth, Feet: 35.10

Method of Well Purge: BALL

One (1) Riser Volume, Gal: 3.51

Dedicated: ☒ N

Total Volume Purged, Gal: 10.5

Purged To Dryness Y ☒ N

Purge Observations: _____

Start Clear Finish Turbid

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

SAMPLING INFORMATION

Water Level @ Sampling, Feet: 13.60

Method of Sampling: BAI

Dedicated: Y / N

Multi-phased/ layered: () Yes ☒ No

If YES: ☐ light ☐ heavy

SAMPLING DATA:

SAMPLING DATA:							
Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm) ↓		Turb. (NTU)	Other (ORP)	Other (DO)
1336	11.1	7.01	1.3	4030	28.2	75	0.56

INSTRUMENT CALIBRATION/CHECK DATA

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU ($\pm 10\%$)	Cal.Std 1,413 $\mu\text{mhos/cm}$	Check.Std 1,413 $\mu\text{mhos/cm}$ ($\pm 10\%$)	Cal.Std 10 NTU	Check Std 10 NTU ($\pm 10\%$)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: cloud / 50°

Sample Characteristics: SC TURBO

COMMENTS AND OBSERVATIONS:

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

Date: 3/20/17

Bv:

Company:

FIELD OBSERVATIONS

Facility: PAS and SEYMOUR

Sample Point ID: OW 1-2

Field Personnel: PL RE AP TW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-28-17 1 / 1130

Cond of seal: ☒ Good ☐ Cracked ☐ None ☐ Buried %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: ☐ Unlocked ☐ Good
☐ Loose ☒ Flush Mount
☐ Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 1

PURGE INFORMATION

Date / Time Initiated: 3-28-17 / 1133

Date / Time Completed: 3-28-17 / 1144

Surf. Meas. Pt: ☐ Prot. Casing ☒ Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 14.43

Elevation, G/W MSL: _____

Well Total Depth, Feet: 28.00

Method of Well Purge: BAL

One (1) Riser Volume, Gal: 2.22

Dedicated: ☒ N

Total Volume Purged, Gal: 6.5

Purged To Dryness Y ☒ oily

Purge Observations: _____

Start 5:00 AM Finish 7:00 PM

PURGE DATA (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

SAMPLING INFORMATION

Water Level @ Sampling, Feet: 14.47

Method of Sampling: BAL

Dedicated: Y / N

Multi-phased/ layered: ☒ Yes ☐ No

If YES: () light () heavy

SAMPLING DATA:

SAMPLING DATA:						
Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)

INSTRUMENT CALIBRATION/CHECK DATA

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU ($\pm 10\%$)	Cal.Std 1,413 $\mu\text{mhos/cm}$	Check.Std 1,413 $\mu\text{mhos/cm}$ ($\pm 10\%$)	Cal.Std 10 NTU	Check Std 10 NTU ($\pm 10\%$)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: cloudy 50

Sample Characteristics: SL TURBID (0.14)

COMMENTS AND OBSERVATIONS: Due TO SAMPLE CHARACTERISTICS

No First Reading Taken

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

Date: 3 Dec 17 By:

By:

Company: