

July 24, 2021

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 2021 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, as amended February 2020. This site was issued a Certificate of Completion on December 16, 2010.

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

1. The effectiveness of two phases of the In-Situ Chemical Oxidation System Remedy utilized for two areas of concern,
2. To evaluate the effect of soil removal in AOC-1 on groundwater quality, and
2. To measure chlorinated VOC levels in the western portion of the site.

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

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

In AOC-2, there are five (5) observation wells screened in the overburden till/weathered shale unit to monitor ISCO effectiveness: IW2-1, IW2-3, OW2-2, OB09-36, and OB09-38. IW2-1 and IW2-3 are sampled in the first and third quarters while the remaining three wells are sampled once a year, in the third quarter.

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

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

Monitoring was conducted in accordance with the Field Sampling Plan included in the approved SMP and an SMP amendment submitted in 2020. Sampling was completed on March 29, 2021. The Groundwater Field Sampling logs are included as Attachment A.

Groundwater Monitoring Results:

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

Please contact me if you have any questions.

Very Truly Yours,

A handwritten signature in dark 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

Sample ID	Date Sampled
Analyte	Concentration (ug/L)

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

PCE - Tetrachloroethene
TCE - Trichloroethene
cis-DCE - cis-1,2-Dichloroethene

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

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

BR08-34	Pre-ISCO	Mar-21
CVOCs		NS

BR08-33	Pre-ISCO	Mar-21
CVOCs		NS

OW1-4	Pre-ISCO	Mar-21
TCE	320	220
cis-DCE	13	7.6

BR10-46	Pre-ISCO	Mar-21
PCE	ND	ND
TCE	9500	6500
cis-DCE	560	749

BR10-47	Pre-ISCO	Mar-21
PCE	ND	ND
TCE	6500	890
cis-DCE	290	77

BR08-35	Pre-ISCO	Mar-21
CVOCs		NS

OB09-36	Pre-ISCO	Mar-21
TCE	140	NS
cis-DCE	12	NS

OW2-2	Pre-ISCO	Mar-21
TCE	1,200	NS
cis-DCE	140	NS

IW2-3	Pre-ISCO	Mar-21
TCE	6,000	2000
cis-DCE	370	210

BR09-39	Pre-ISCO	Mar-21
PCE	ND	NS
TCE	290	NS
cis-DCE	12	NS

BR07-31	Pre-ISCO	Mar-21
PCE		NS
TCE		NS
cis-DCE		NS

MW05-21	Pre-ISCO	Mar-21
PCE		NS
TCE		NS
cis-DCE		NS

OW1-1	Pre-ISCO	Mar-21
PCE	34	ND
TCE	2,700	30,000
cis-DCE	470	2900

IW2-1	Pre-ISCO	Mar-21
PCE		1.5
TCE	3,900	1,000F1
cis-DCE	210	180

OB09-38	Pre-ISCO	Mar-21
TCE	49	NS
cis-DCE	8	NS

MW05-10	Pre-ISCO	Mar-21
TCE	180	NS
cis-DCE	35	NS

BR09-37	Pre-ISCO	Mar-21
PCE		ND
TCE	78,000	1,800
cis-DCE	ND	470

BR07-32	Pre-ISCO	Mar-21
TCE		NS

SCALE IN FEET
27.5 0 55 110

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

DW Stoner & Associates
LLC

Groton, Vermont

DATE: 07/25/2021 JOB No:1236

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

Figure 1 - Analytical Results
for Chlorinated VOCs in Groundwater

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	3/29/21	Top of PVC	410.18	NS	20.0	NS	NS
		Top of PVC	410.18		20.0		
BR07-32	3/29/21	Top of PVC	426.82	NS	20	NS	NS
		Top of PVC	426.82				
BR08-33	3/29/21	Top of PVC	408.11	NS	42	NS	NS
		Top of PVC	408.11		42		
BR08-34	3/29/21	Top of PVC	408.96	NS	42	NS	NS
		Top of PVC	408.96		42		
BR08-35	3/29/21	Top of PVC	408.35	NS	31	NS	NS
		Top of PVC	408.35		31		
BR09-37	3/29/21	Top of PVC	417.85	19.61	24.28	398.24	0.83
		Top of PVC	417.85		24.28		
BR09-39	3/29/21	Top of PVC	424.06	NS	30.22	NS	NS
		Top of PVC	424.06		30.22		
BR10-46	3/29/21	Top of PVC	417.10	14.14	27	402.96	2.32
		Top of PVC	417.10		27		
BR10-47	3/29/21	Top of PVC	416.67	14.21	28	402.46	2.34
		Top of PVC	416.67		28		
IW2-1	3/29/21	Top of PVC	418.25	20.06	34.35	398.19	10.38
		Top of PVC	418.25		34.35		

Table 1 Groundwater Elevations Pass and Seymour

IW2-3	3/29/21	Top of PVC	416.62	18.26	34.60	398.36	11.45
		Top of PVC	416.62		34.60		
MW05-10	3/29/21	Top of PVC	403.89	NS	19.25	NS	NS
		Top of PVC	403.89		19.25		
MW05-21	3/29/21	Top of PVC	411.46	NS	11.7	NS	NS
		Top of PVC	411.46		11.7		
OB09-36	3/29/21	Top of PVC	414.84	NS	33.65	NS	NS
		Top of PVC	414.84		33.65		
OB09-38	3/29/21	Top of PVC	416.68	NS	33.38	NS	NS
		Top of PVC	416.68		33.38		
OW1-1	3/29/21	Top of PVC	421.40	20.04	23.05	401.36	2.34
		Top of PVC	421.40		23.05		
OW1-4	3/29/21	Top of PVC	419.90	19.28	27.97	400.26	1.47
		Top of PVC	419.90		27.97		
OW2-2	3/29/21	Top of PVC	416.59	NS	34.71	NS	NS
		Top of PVC	416.59		34.71		

DTW - Depth to Water

DOW – Depth of Well

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

NA – Not applicable because well was dry

NS- Not Sampled

WD- Well decommissioned

Table 2 Groundwater Field Parameters, Pass and Seymour

Monitoring Well ID	Date 2021	Time	Temp (°C)	Conductivity (mmhos/cm)	Salinity	Dissolved Oxygen (%)	pH (units)	Eh (mV)	Turbidity (NTU)	Amount Purged (gal)
BR07-31	3/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR07-32	3/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR08-33	3/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR08-34	3/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR08-35	3/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR09-37	3/29	1400	11.2	3393	1.1	6.4	6.9	282.2	22.5	2.49
BR09-39	3/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR10-46	3/29	1225	11.0	3178	1.33	2.75	7.06	267.9	4.36	6.96
BR10-47	3/29	1150	11.8	2756	1.0	2.81	7.25	244.6	18.9	7.03
IW2-1	3/29	1045	12.9	3783	2.0	4.81	6.54	293.1	12.2	38

Table 2 Groundwater Field Parameters, Pass and Seymour

IW2-3	3/29	1045	12.3	3176	1.89	2.67	6.93	243.8	7.8	34.35
MW05-10	3/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-21	3/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
OB09-36	3/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
OB09-38	3/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
OW1-1	3/29	1330	11.1	3015	1.39	6.66	7.31	137	22.2	2.0
OW1-4	3/29	1300	11.4	1040	0.8	7.22	7.36	260.4	4.04	4.44
OW2-2	3/29	NS	NS	NS	NS	NS	NS	NS	NS	NS

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

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

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

WD- Well Decommissioned

Table 3 - Pass & Seymour 2021 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR07-31		2021 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/29/21			
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			

Table 3 - Pass & Seymour 2021 Post ISCO Groundwater Sample Analytical Results

Methylcyclohexane		NS	NS			
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 3/29/21	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 2021 Post-ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR07-32		2021 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/29/21			
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 2021 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 3/29/21	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 2021 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR08-33		2021 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre-ISCO	3/29/21			
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 2021 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 3/29/21	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 2021 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR08-34		2021 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/29/21			
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 2021 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 3/29/21	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 2021 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR08-35		2021 1st QTR	2nd QTR	3rd QTR	4th QTR
	GW Std (ug/L)	Pre-ISCO	3/29/21			
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 2021 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 3/29/21	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 2021 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR09-37		2021 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/29/21			
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			
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	470			
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 2021 Post ISCO Groundwater Sample Analytical Results

Methyl tert-butyl ether	10		ND			
Methylcyclohexane			ND			
Methylene chloride	5	ND	22 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	7,800	1800			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2	ND	ND			
Xylenes, Total	5	ND	ND			

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/29/21	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	17,000	36,700			
Manganese (EPA Method 6010B)		NS	3,400			
Nitrate as N (EPA Method 9056)	10,000	2,100	2,800			
Chemical Oxygen Demand (EPA Method 410.4)		9,400	36,400			
Total Organic Carbon (EPA Method 9060A)	NS	ND	1,300			

All values reported as ug/L

B – Compound was found in the blank and sample

ND – Analyzed for but NOT DETECTED

J – Includes an estimated value

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

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

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

F2 – MS/MSD exceeds control limits

Pass & Seymour 2021 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR09-39		2021 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/29/21			
1,1,1-Trichloroethane	5	ND	NS			
1,1,2,2-Tetrachloroethane	5		NS			
1,1,2-Trichloro-1,2,2 trifluoroethane	5		NS			
1,1,2-Trichloroethane	1	ND	NS			
1,1-Dichloroethane	5	ND	NS			
1,1-Dichloroethene	5	ND	NS			
1,2, 4-Trichlorobenzene	5		NS			
1,2-Dibromo-3-Chloropropane	0.04		NS			
1,2-Dibromoethane			NS			
1,2-Dichlorobenzene	3		NS			
1,2-Dichloroethane	0.6	ND	NS			
1,2 -Dichloropropane	1	ND	NS			
1,3-Dichlorobenzene	3		NS			
1,4-Dichlorobenzene	3		NS			
2-Butanone (MEK))	50	ND	NS			
2-Hexanone			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			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	12	NS			
cis-1,3-Dichloropropene	0.4	ND	NS			
Cyclohexane			NS			
Dibromochloromethane			NS			
Dichlorodifluoromethane	5		NS			
Ethylbenzene	5	ND	NS			
Isopropylbenzene	5		NS			
Methyl acetate			NS			
Methyl tert-butyl ether	10		NS			
Methylcyclohexane			NS			

Pass & Seymour 2021 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	290	NS			
Trichlorofluoromethane	5		NS			
Vinyl chloride	2	ND	NS			
Xylenes, Total	5	ND	NS			

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/29/21	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	132	NS			
Manganese (EPA Method 6010B)			NS			
Nitrate as N (EPA Method 9056)	10,000	10,400	NS			
Chemical Oxygen Demand (EPA Method 410.4)		4,300	NS			
Total Organic Carbon (EPA Method 9060A)		ND	NS			

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 2021 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR10-46		2021 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/29/21			
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		740			
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 2021 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		6500			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2		ND			
Xylenes, Total	5		ND			

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/29/21	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300		24			
Manganese (EPA Method 6010B)			360			
Nitrate as N (EPA Method 9056)	10,000		1,500			
Chemical Oxygen Demand (EPA Method 410.4)			20,100			
Total Organic Carbon (EPA Method 9060A)			1,400			

All values reported as ug/L

B- Compound was found in blank and sample

ND – Analyzed for but NOT DETECTED

J – Includes an estimated value

E-Result Exceeded calibration range

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

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS- Not Sampled

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

Pass & Seymour 2021 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL BR10-47		2021 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/29/21			
1,1,1-Trichloroethane	5		1.3			
1,1,2,2-Tetrachloroethane	5		ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5		0.48 j			
1,1,2-Trichloroethane	1		ND			
1,1-Dichloroethane	5		0.82 J			
1,1-Dichloroethene	5		1.2			
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		77			
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 2021 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5		ND			
Styrene	5		ND			
Tetrachloroethene	5		.69 J			
Toluene	5		ND			
trans-1,2-Dichloroethene	5		1.2			
trans-1,3-Dichloropropene	0.4		ND			
Trichloroethene	5		890			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2		ND			
Xylenes, Total	5		ND			

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 ST QTR 3/29/21	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300		620			
Manganese (EPA Method 6010B)			5,000			
Nitrate as N (EPA Method 9056)	10,000		1,400			
Chemical Oxygen Demand (EPA Method 410.4)			22,000			
Total Organic Carbon (EPA Method 9060A)			850 J			

All values reported as ug/L

B- Compound was found in blank and sample

ND – Analyzed for but NOT DETECTED

J – Includes an estimated value

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS- Not Sampled

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

Table 3 - Pass & Seymour 2021 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL IW2-1		2021 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre- ISCO	3/29/21			
1,1,1-Trichloroethane	5	ND	1.0			
1,1,2,2-Tetrachloroethane	5	ND	ND			
1,1,2-Trichloro-1,2,2 trifluoroethane	5		0.41			
1,1,2-Trichloroethane	1	ND	ND			
1,1-Dichloroethane	5	ND	1.1			
1,1-Dichloroethene	5	ND	2.3			
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	180			
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 2021 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	1.5			
Toluene	5	ND	ND			
trans-1,2-Dichloroethene	5	ND	2.0			
trans-1,3-Dichloropropene	0.4	ND	ND			
Trichloroethene	5	3,900	1000 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 3/29/21	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	1,610	100			
Manganese (EPA Method 6010B)			550			
Nitrate as N (EPA Method 9056)	10,000	440	200			
Chemical Oxygen Demand (EPA Method 410.4)		5,800	19,300 F!			
Total Organic Carbon (EPA Method 9060A)		ND	710 J			

All values reported as ug/L

ND – Analyzed for but NOT DETECTED

J – Includes an estimated value

E-Result Exceeded calibration range

F1- MS and/or MSD recovery exceeds control limits

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

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

Table 3 - Pass & Seymour 2021 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL IW2-3		2021 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/29/21			
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	ND			
Chloromethane		ND	ND			
cis-1,2-Dichloroethene	5	370	210			
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 2021 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	2,000			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2	ND	ND			
Xylenes, Total	5	ND	ND			

Other Analytes	GW Std (ug/L)	Pre- ISCO	1 ST QTR 3/29/21	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	4,870	56			
Manganese (EPA Method 6010B)	300	473	730			
Nitrate as N (EPA Method 9056)	10,000	750	950			
Chemical Oxygen Demand (EPA Method 410.4)		7,100	21,100			
Total Organic Carbon (EPA Method 9060A)		ND	740 J			

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 2020 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-10		2020 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/31/20			
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-Trichloroethane	1	180	NS			
1,1-Dichloroethane	5	ND	NS			
1,1-Dichloroethene	5	35	NS			
1,2, 4-Trichlorobenzene	5	ND	NS			
1,2-Dibromo-3-Chloropropane	0.04		NS			
1,2-Dibromoethane			NS			
1,2-Dichlorobenzene	3		NS			
1,2-Dichloroethane	0.06	ND	NS			
1,2 -Dichloropropane	1		NS			
1,3 Dichlorobenzene	3		NS			
1,4-Dichlorobenzene	3		NS			
2-Butanone (MEK))	50	1.4 J	NS			
2-Hexanone			NS			
4-Methyl-2-pentanone (MIBK)			NS			
Acetone	50	6.3 J	NS			
Benzene	1		NS			
Bromodichloromethane	50	ND	NS			
Bromoform	50	ND	NS			
Bromomethane	5		NS			
Carbon disulfide			NS			
Carbon tetrachloride	5	ND	NS			
Chlorobenzene	5		NS			
Chloroethane	5		NS			
Chloroform	7	ND	NS			
Chloromethane			NS			
cis-1,2-Dichloroethene	5	35	NS			
cis-1,3-Dichloropropene	0.4	ND	NS			
Cyclohexane			NS			
Dibromochloromethane			NS			
Dichlorodifluoromethane	5	ND	NS			
Ethylbenzene	5	ND	NS			
Isopropylbenzene	5		NS			
Methyl acetate			NS			
Methyl tert-butyl ether	10		NS			
Methylcyclohexane			NS			

Table 3 - Pass & Seymour 2020 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	1.4	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			
<i>Trichloroethene</i>	5	160	NS			
Trichlorofluoromethane	5		NS			
Vinyl chloride	2	ND	NS			
Xylenes, Total	5	ND	NS			

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1 st QTR 3/31/20	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	3630	NS			
Manganese (EPA Method 6010B)			NS			
Nitrate as N (EPA Method 9056)	10,000	3,000	NS			
Chemical Oxygen Demand (EPA Method 410.4)	NS	8,100J	NS			
Total Organic Carbon (EPA Method 9060A)	NS	1,800	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 2021 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL MW05-21		2021 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/29/21			
1,1,1-Trichloroethane	5		NS			
1,1,2,2-Tetrachloroethane	5		NS			
1,1,2-Trichloro-1,2,2 trifluoroethane	5		NS			
1,1,2-Trichloroethane	1		NS			
1,1-Dichloroethane	5		NS			
1,1-Dichloroethene	5		NS			
1,2, 4-Trichlorobenzene	5		NS			
1,2-Dibromo-3-Chloropropane	0.04		NS			
1,2-Dibromoethane			NS			
1,2-Dichlorobenzene	3		NS			
1,2-Dichloroethane	0.06		NS			
1,2 -Dichloropropane	1		NS			
1,3 Dichlorobenzene	3		NS			
1,4-Dichlorobenzene	3		NS			
2-Butanone (MEK))	50		NS			
2-Hexanone			NS			
4-Methyl-2-pentanone (MIBK)			NS			
Acetone	50		NS			
Benzene	1		NS			
Bromodichloromethane	50		NS			
Bromoform	50		NS			
Bromomethane	5		NS			
Carbon disulfide			NS			
Carbon tetrachloride	5		NS			
Chlorobenzene	5		NS			
Chloroethane	5		NS			
Chloroform	7		NS			
Chloromethane			NS			
cis-1,2-Dichloroethene	5		NS			
cis-1,3-Dichloropropene	0.4		NS			
Cyclohexane			NS			
Dibromochloromethane			NS			
Dichlorodifluoromethane	5		NS			
Ethylbenzene	5		NS			
Isopropylbenzene	5		NS			
Methyl acetate			NS			
Methyl tert-butyl ether	10		NS			
Methylcyclohexane			NS			

Table 3 - Pass & Seymour 2021 Post ISCO Groundwater Sample Analytical Results

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

Other Analytes:	GW Std (ug/L)	Pre- ISCO	1st QTR 3/29/21	2nd QTR	3rd QTR	4th QTR
Iron (EPA Method 6010B)	300		NS			
Manganese (EPA Method 6010B)			NS			
Nitrate as N (EPA Method 9056)	10,000		NS			
Chemical Oxygen Demand (EPA Method 410.4)	NS		NS			
Total Organic Carbon (EPA Method 9060A)	NS		NS			

All values reported as ug/L

ND-Analyzed for but NOT DETECTED

B – Compound was found in the blank and sample

J-Includes an estimated value

(*) No sample collected because well is too dry

Pre-ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

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

Table 3 - Pass & Seymour 2021 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OB09-36		2021 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/29/21			
1,1,1-Trichloroethane	5	ND	NS			
1,1,2,2-Tetrachloroethane	5	ND	NS			
1,1,2-Trichloro-1,2,2 trifluoroethane	5		NS			
1,1,2-Trichloroethane	1	ND	NS			
1,1-Dichloroethane	5	ND	NS			
1,1-Dichloroethene	5	ND	NS			
1,2, 4-Trichlorobenzene	5		NS			
1,2-Dibromo-3-Chloropropane	0.04		NS			
1,2-Dibromoethane			NS			
1,2-Dichlorobenzene	3		NS			
1,2-Dichloroethane	0.6	ND	NS			
1,2 -Dichloropropane	1	ND	NS			
1,3-Dichlorobenzene	3		NS			
1,4-Dichlorobenzene	3		NS			
2-Butanone (MEK))	50	ND	NS			
2-Hexanone			NS			
4-Methyl-2-pentanone (MIBK)	ND	ND	NS			
Acetone	50	ND	NS			
Benzene	1	ND	NS			
Bromodichloromethane	50	ND	NS			
Bromoform	50	ND	NS			
Bromomethane	5	ND	NS			
Carbon disulfide			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	12	NS			
cis-1,3-Dichloropropene	0.4	ND	NS			
Cyclohexane			NS			
Dibromochloromethane			NS			
Dichlorodifluoromethane	5		NS			
Ethylbenzene	5	ND	NS			
Isopropylbenzene	5		NS			
Methyl acetate			NS			
Methyl tert-butyl ether	10		NS			
Methylcyclohexane			NS			

Table 3 - Pass & Seymour 2021 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	3.2 J	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	149	NS			
Trichlorofluoromethane	5		NS			
Vinyl chloride	2	ND	NS			
Xylenes, Total	5	ND	NS			

Other Analytes	GW Std (ug/L)	Pre- ISCO	1st QTR 3/29/21	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	1,610	NS			
Manganese (EPA Method 6010B)			NS			
Nitrate as N (EPA Method 9056)	10,000	440	NS			
Chemical Oxygen Demand (EPA Method 410.4)	NS	5,800	NS			
Total Organic Carbon (EPA Method 9060A)	NS	ND	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

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 2021 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OB09-38		2021 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/29/21			
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-Trichloroethane	1	ND	NS			
1,1-Dichloroethane	5	ND	NS			
1,1-Dichloroethene	5	ND	NS			
1,2, 4-Trichlorobenzene	5		NS			
1,2-Dibromo-3-Chloropropane	0.04		NS			
1,2-Dibromoethane			NS			
1,2-Dichlorobenzene	3		NS			
1,2-Dichloroethane	0.6	ND	NS			
1,2 -Dichloropropane	1	ND	NS			
1,3-Dichlorobenzene	3		NS			
1,4-Dichlorobenzene	3		NS			
2-Butanone (MEK))	50		NS			
2-Hexanone			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			NS			
Carbon tetrachloride	5	ND	NS			
Chlorobenzene	5	ND	NS			
Chloroethane	5	ND	NS			
Chloroform	7	ND	NS			
Chloromethane			NS			
cis-1,2-Dichloroethene	5	8	NS			
Cis-1,3-Dichloropropene	0.4	ND	NS			
Cyclohexane			NS			
Dibromochloromethane			NS			
Dichlorodifluoromethane	5		NS			
Ethylbenzene	5	ND	NS			
Isopropylbenzene	5		NS			
Methyl acetate			NS			
Methyl tert-butyl ether	10		NS			
Methylcyclohexane			NS			

Table 3 - Pass & Seymour 2021 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	49	NS			
Trichlorofluoromethane	5		NS			
Vinyl chloride	2	ND	NS			
Xylenes, Total	5	ND	NS			

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/29/21	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	38,700	NS			
Manganese (EPA Method 6010B)			NS			
Nitrate as N (EPA Method 9056)	10,000	94	NS			
Chemical Oxygen Demand (EPA Method 410.4)		3,900	NS			
Total Organic Carbon (EPA Method 9060A)	NS	ND	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

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

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

E-Result Exceeded calibration range

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

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

Table 3 - Pass & Seymour 2021 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW1-1		2021 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/29/21			
1,1,1-Trichloroethane	5	ND	60			
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	45			
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	2900			
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 2021 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	<i>170 J</i>	ND			
Styrene	5	ND	ND			
Tetrachloroethene	5	34	ND			
Toluene	5	ND	ND			
trans-1,2-Dichloroethene	5	ND	ND			
trans-1,3-Dichloropropene	0.4		ND			
Trichloroethene	5	2700	30,000			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2	ND	ND			
Xylenes, Total	5	ND	ND			

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/29/21	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	751	40,900			
Manganese (EPA Method 6010B)			31,000			
Nitrate as N (EPA Method 9056)	10,000	1,900	1,200			
Chemical Oxygen Demand (EPA Method 410.4)	NS	5,600J	18,900			
Total Organic Carbon (EPA Method)	NS	ND	1,600			

All values reported as ug/L

ND-Analyzed for but NOT DETECTED

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

J – Includes an estimated value

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

NS – Not Sampled

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

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

Table 3 - Pass & Seymour 2021 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW1-4		2021 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/29/21			
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	7.6 J			
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 2021 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	220			
Trichlorofluoromethane	5		ND			
Vinyl chloride	2	ND	5.9			
Xylenes, Total	5	ND	ND			

Other Analytes	GW Std (ug/L)	Pre-ISCO	1 st QTR 3/29/21	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	209 J	2,700			
Manganese (EPA Method 6010B)			210			
Nitrate as N (EPA Method 9056)	10,000	3,000	2,300			
Chemical Oxygen Demand (EPA Method 410.4)		ND	27,300			
Total Organic Carbon (EPA Method 9060A)	NS	ND	1,200			

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 2021 Post ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	WELL OW2-2		2021 1 st QTR	2 nd QTR	3 rd QTR	4 th QTR
	GW Std (ug/L)	Pre-ISCO	3/29/21			
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-Trichloroethane	1	ND	NS			
1,1-Dichloroethane	5	ND	NS			
1,1-Dichloroethene	5	ND	NS			
1,2, 4-Trichlorobenzene	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	0.6	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	140	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 2021 Post ISCO Groundwater Sample Analytical Results

Methylene chloride	5	20 JB	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	1200	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 3/29/21	2 nd QTR	3 rd QTR	4 th QTR
Iron (EPA Method 6010B)	300	239,000	NS			
Manganese (EPA Method 6010B)		3,640	NS			
Nitrate as N (EPA Method 9056)	10,000	210	NS			
Chemical Oxygen Demand (EPA Method 410.4)		193,000	NS			
Total Organic Carbon (EPA Method 9060A)		ND	NS			

All values reported as ug/L

ND – Analyzed for but NOT DETECTED

NS – Not Sampled

J – Includes an estimated value

E-Result Exceeded calibration range

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

(*) No sample collected because well too dry

Pre ISCO data collected

Bold and italicized results indicate an exceedance of Groundwater Standards

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

FIELD OBSERVATIONS

Facility:

PASS + Seymour

Sample Point ID:

IW2-1

Field Personnel:

TOK

Sample Matrix:

GW

SAMPLING INFORMATION:

Date/Time

3-29-21 1045

Method of Sampling:

Bailer

Dedicated:

YES

Diameter of Well

4"

Well Depth (from top of PVC)

35.80

Water Depth (from top of PVC)

20.06

Length of water Column

15.74

Purge Volume: $LWC \times 0.17 \times 3 =$

31.1652

Volume Purged 32 gal/min

Methane Reading

0.66

N/A

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>104.5</u>	<u>12.9</u>	<u>6.54</u>	<u>3793</u>	<u>12.2</u>	<u>293.1</u>	<u>4.81</u>

Salinity
PPT
2.0

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #:

Turbidity 1.0 Serial #:

Turbidity 10.0 Serial #:

pH 4.0 Serial #:

pH 7.0 Serial #:

pH 10.0 Serial #:

Cond Serial #:

umhos/cm@25 C

ORP Serial #:

Mv

DO Calibrated to

@

Weather conditions @ time of sampling:

Sunny, windy 30's

COMMENTS AND OBSERVATIONS:

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

Date:

3/29/21

By:

TOK

Company:

EETA

1

FIELD OBSERVATIONS

Facility: Pais + Seymour

Sample Point ID: IW2-3

Field Personnel: TDK

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 3-24-21 1115

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 4"

Well Depth (from top of PVC): 35.61

Water Depth (from top of PVC): 18.26

Length of water Column: 17.35

Purge Volume: LWC $\times 0.17 \times 3 =$ 34.353

Volume Purged: 3.5 gallon

Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1115	12.3	6.93	3176	7.8	243.8	2.67

Salinity
PPT
1.89

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____

Turbidity 1.0 Serial #: _____

Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____

pH 7.0 Serial #: _____

pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial #: _____ MV

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Sunny, windy 30's

COMMENTS AND OBSERVATIONS:

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

Date: 3/24/2021

By: TDK

Company: EETA

(2)

FIELD OBSERVATIONS

Facility:

Pass + Seymour

Sample Point ID:

BR10-47

Field Personnel:

TDK

Sample Matrix:

GW

SAMPLING INFORMATION:

Date/Time

3-29-21 1150

Method of Sampling:

Bailer

Dedicated:

YES

Diameter of Well

2"

Well Depth (from top of PVC)

28.00

Water Depth (from top of PVC)

14.21

Length of water Column

13.79

Purge Volume: $LWC \times 0.17 \times 3 =$

7.0329

Volume Purged

7 gallons

Methane Reading

NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>1150</u>	<u>11.8</u>	<u>7.25</u>	<u>2756</u>	<u>18.9</u>	<u>244.6</u>	<u>2.81</u>

Salinity
PPT
1.0

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #:

Turbidity 1.0 Serial #:

Turbidity 10.0 Serial #:

See page 1

pH 4.0 Serial #:

pH 7.0 Serial #:

pH 10.0 Serial #:

Cond Serial #:

umhos/cm@25 C

ORP Serial #

Mv

DO Calibrated to

@

Weather conditions @ time of sampling:

Sunny, Windy 30's

COMMENTS AND OBSERVATIONS:

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

Date:

3/29/2021

By:

TDK

Company:

EETA

(3)

FIELD OBSERVATIONS

Facility: PASS + Seymour
Field Personnel: TDK

Sample Point ID: BR10-46
Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 3-29-21, 1225

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 27.80

Water Depth (from top of PVC): 14.14

Length of water Column: 13.66

Purge Volume: LWC x 0.17 x 3 = 6.7666

Volume Purged: 7 Gallons

Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1225	11.0	7.06	3178	4.36	267.9	2.75

Salinity
PPT
1.33

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____

Turbidity 1.0 Serial #: _____

Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____

pH 7.0 Serial #: _____

pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial #: _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Sunny, Windy 30's

COMMENTS AND OBSERVATIONS: _____

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

Date: 3/29/2021 By: TDK Company: EETA

(4)

FIELD OBSERVATIONS

Facility: PASS + Seymour

Sample Point ID: OW1-4

Field Personnel: TDK

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 3-29-21 1300

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 28.00

Water Depth (from top of PVC): 19.29

Length of water Column: 8.71

Purge Volume: LWC x 0.17 x 3= 4.4421

Volume Purged 4.5 gallon

Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1300	11.4	7.36	1040	4.04	260.4	7.22

Salinity PPT
0.8

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____

Turbidity 1.0 Serial #: _____

Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____

pH 7.0 Serial #: _____

pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial #: _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Sunny windy 34

COMMENTS AND OBSERVATIONS: Very turbid Smelly water -

Sulphur Smell. Collected dissolved metals, TDK 3-29-21

Purge water was dirty but recharge was clear, but still Smelly.

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

Date: 3/29/21

By: TDK

Company: EETA

(5)

FIELD OBSERVATIONS

Facility: Pass + Seymour

Sample Point ID: OW1-1

Field Personnel: TDK

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 3-29-21 1330

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 23.46

Water Depth (from top of PVC): 20.09

Length of water Column: 3.37

Purge Volume: LWC x 0.17 x 3= 1.0887

Volume Purged: 2 gallons

Methane Reading: NA

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1330	11.1	7.31	3015	>>>	137	6.66

Salinity
PPT
1.39

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____

Turbidity 1.0 Serial #: _____

Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____

pH 7.0 Serial #: _____

pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial #: _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Sunny Windy 30's

COMMENTS AND OBSERVATIONS: Turbid water, no recent recharge.

*Collect Dissolved metals

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

Date: 3/29/2021

By: TDK

Company: FETA

6

FIELD OBSERVATIONS

Facility:

Pass + Seymour

Sample Point ID:

BR09-37

Field Personnel:

TDK

Sample Matrix:

GW

SAMPLING INFORMATION:

Date/Time

3-29-21 1400

Method of Sampling:

Bailer

Dedicated:

YES

Diameter of Well

8"

Well Depth (from top of PVC)

24.50

Water Depth (from top of PVC)

19.61

Length of water Column

4.89

Purge Volume: LWC x 0.17 x 3=

2.4939

Volume Purged

2.5 gallons

Methane Reading

N/A

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>1400</u>	<u>11.2</u>	<u>6.90</u>	<u>3393</u>	<u>>>></u>	<u>282.2</u>	<u>6.40</u>

Salinity
PPT
1.1

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #:

Turbidity 1.0 Serial #:

Turbidity 10.0 Serial #:

See Page 1

pH 4.0 Serial #:

pH 7.0 Serial #:

pH 10.0 Serial #:

Cond Serial #:

umhos/cm@25 C

ORP Serial #

Mv

DO Calibrated to

@

Weather conditions @ time of sampling:

Sunny Windy 30's

COMMENTS AND OBSERVATIONS:

Turbid Purge. collect Diss

metals

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

Date:

3/29/21

By:

TDK

Company:

EETA

7