C734102

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Ms. Tara Blum, P.E.
Project Manager
NYSDEC Region 7
615 Erie Boulevard West
Syracuse, NY 13209

November 11, 2011

Re: Quarterly Monitoring for Brownfield Site #C734102

Dear Ms. Blum,

The purpose of this letter report is to submit the results of the third quarter 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 groundwater monitoring was conducted in accordance with the SMP and for purposes of demonstrating:

1. The effectiveness of the In-Situ Chemical Oxidation System Remedy utilized for two areas of concern, and
2. To evaluate chlorinated VOC levels in wells MW05-21 and BR 07-31 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 bedrock, 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.

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 VOCs.

Monitoring was conducted in accordance with the Field Sampling Plan included in the approved SMP. Sampling was completed on September 19, 2011. The Groundwater Field Sampling logs are included as Attachment A. The following were noteworthy observations or actions taken during sampling:

1. OW 1-2 did have a visible sheen, as it did during the second quarter. Nevertheless SVOCs have been reduced significantly from pre-ISCO concentrations.
2. Wells MW 05-02, 05-11 and 05-05 did not contain sufficient 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. The ISCO injection appears to be causing a significant reduction in concentrations of chlorinated organics. Results of future sampling will demonstrate the longer term effectiveness of the ISCO approach. Some variability has been observed and will be addressed in the Periodic Review Report.

Results of samples from the two western wells indicate that VOCs are still somewhat above groundwater standards.

As you requested and as required we have entered the data in the New York State Department of Environmental Conservation DER electronic database.

Please contact me if you have any questions.

Very Truly Yours,

David W. Stoner
President

Legend:

MW05-26 — Location and Identification of monitoring well sampled as part of post-ISCO monitoring

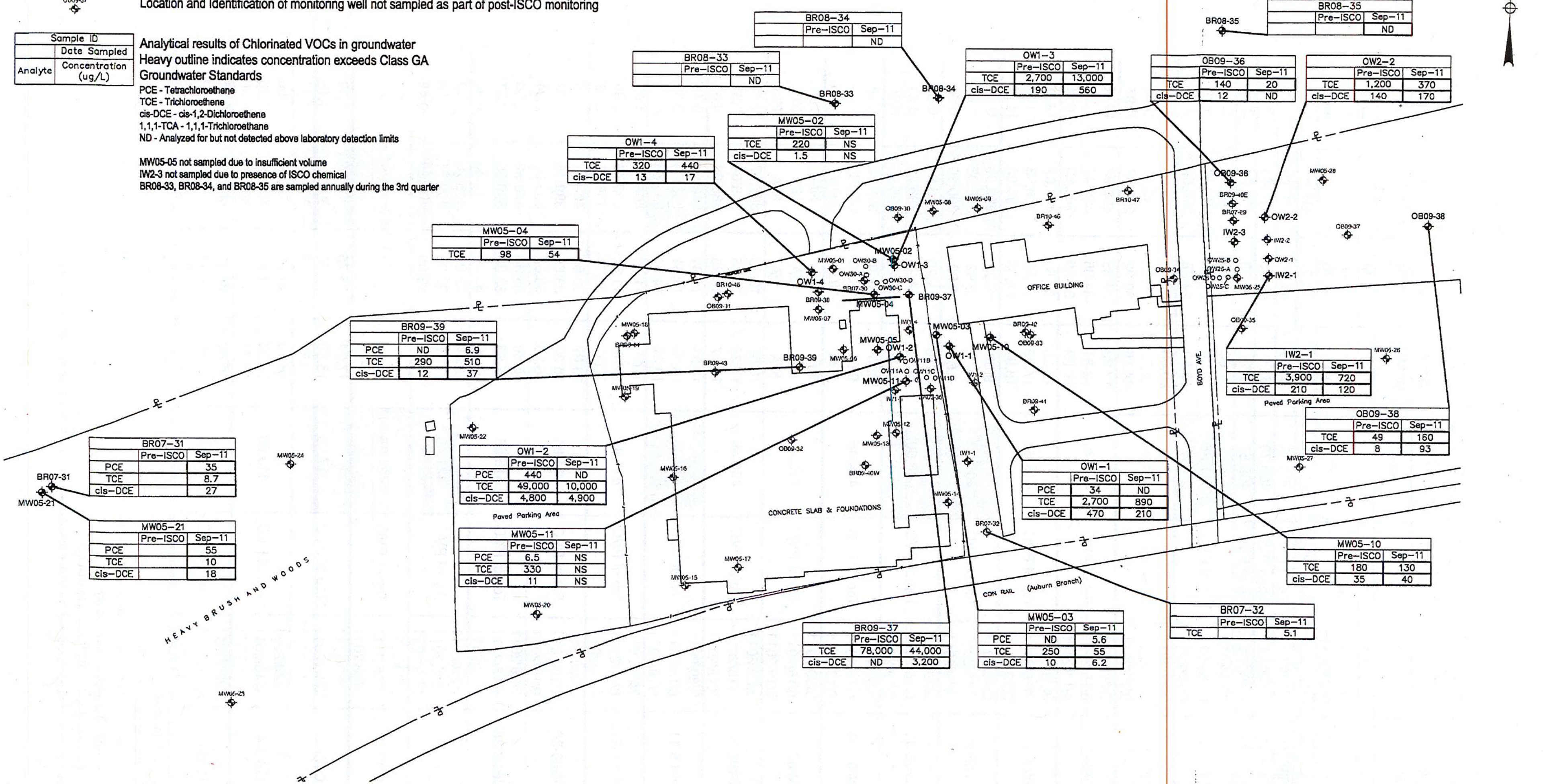
OB09-37 — Location and Identification of monitoring well not sampled as part of post-ISCO monitoring

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

MW05-05 not sampled due to insufficient volume
IW2-3 not sampled due to presence of ISCO chemical
BR08-33, BR08-34, and BR08-35 are sampled annually during the 3rd quarter



SURVEY NOTE:
THE BOUNDARY AND TOPOGRAPHIC MAPPING OF THIS SURVEY WAS PERFORMED BY DAVID W. HANNIG, L.S. 47411, LAST REVISED BY HANNIG ON JUNE 22, 1994.
DATUM CORRECTIONS AND MONITORING WELL LOCATIONS BY BRYANT ASSOCIATES, P.C. ARE AS SURVEYED ON NOVEMBER 8, 2005, and January 7, 2010.

S&W Redevelopment
of North America, LLC.
Syracuse, New York

DATE: 10/2011 JOB No: N1103

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

Figure 1 – Analytical Results for Chlorinated VOCs in Groundwater

X-REF: NAMES?
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Table 1: (Page 1 of 1) Groundwater Elevations, Pass & Seymour.

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation	Volume (gal)
BR07-31	3/30/2011	Top of PVC		7.80	19.78		1.92
	6/15/2011			9.15	19.78		1.70
	9/19/2011			9.47	19.78		1.65
BR07-32	9/19/2011	Top of PVC	427.42	16.51	19.90	410.91	0.54
BR08-33	9/19/2011	Top of PVC	408.11	22.45	42.11	385.66	3.15
BR08-34	9/19/2011	Top of PVC	408.70	8.90	42.35	399.80	5.35
BR08-35	9/19/2011	Top of PVC	408.57	8.53	32.13	400.04	3.78
BR09-37	3/29/2011	Top of PVC	417.65	17.83	24.28	400.02	1.03
	6/15/2011			19.36	24.28	398.49	0.79
	9/19/2011			19.28	24.28	398.57	0.80
BR09-39	3/29/2011	Top of PVC	424.06	20.03	30.22	404.03	1.63
	6/15/2011			24.25	30.22	399.81	0.96
	9/19/2011			24.16	30.22	399.90	0.97
IW2-1	3/29/2011	Top of PVC	418.25	17.33	34.35	400.92	10.89
	6/15/2011			18.81	34.35	399.44	9.95
	9/19/2011			18.69	34.35	399.56	10.00
IW2-3	3/29/2011	Top of PVC	416.62	15.55	34.60	401.07	12.19
	6/15/2011			17.09	34.60	399.53	11.21
	9/19/2011			16.97	34.60	399.65	11.30
MW05-02	3/29/2011	Top of PVC	408.83	9.00	9.92	399.83	0.15
	6/15/2011			9.75	9.92	399.08	0.03
	9/19/2011			9.53	9.92	399.30	0.06
MW05-03	3/29/2011	Top of PVC	408.50	12.16	14.20	396.34	0.33
	6/15/2011			12.72	14.20	395.78	0.24
	9/19/2011			12.55	14.20	395.95	0.26
MW05-04	3/30/2011	Top of PVC	408.45	9.57	10.70	398.88	0.18
	6/15/2011			9.81	10.70	398.64	0.14
	9/19/2011			9.74	10.70	398.71	0.15
MW05-05	3/30/2011	Top of PVC	410.40	N/A	N/A	N/A	N/A
	6/15/2011			N/A	N/A	N/A	N/A
	9/19/2011			N/A	N/A	N/A	N/A
MW05-10	3/29/2011	Top of PVC	403.89	16.62	19.25	387.27	0.42
	6/15/2011			17.28	19.25	386.61	0.32
	9/19/2011			17.27	19.25	386.62	0.32
MW05-11	3/30/2011	Top of PVC	410.00	13.31	14.31	396.69	0.16
	6/15/2011			13.75	14.31	396.25	0.09
	9/19/2011			13.64	14.31	396.36	0.11
MW05-21	3/30/2011	Top of PVC	411.46	5.01	11.70	406.45	1.07
	6/15/2011			5.70	11.70	405.76	0.96
	9/19/2011			5.55	11.70	405.91	0.98
OB09-36	3/29/2011	Top of PVC	414.84	13.87	33.65	400.97	3.16
	6/15/2011			15.39	33.65	399.45	2.92
	9/19/2011			15.26	33.65	399.58	2.94
OB09-38	3/29/2011	Top of PVC	416.68	15.86	33.38	400.82	2.80
	6/15/2011			17.33	33.38	399.35	2.57
	9/19/2011			17.15	33.38	399.53	2.60
OW1-1	3/29/2011	Top of PVC	421.40	15.64	23.05	405.76	1.19
	6/15/2011			17.86	23.05	403.54	0.83
	9/19/2011			18.02	23.05	403.38	0.48
OW1-2	3/29/2011	Top of PVC	421.25	-	-	-	-
	6/15/2011			-	-	-	-
	9/19/2011			-	-	-	-
OW1-3	3/29/2011	Top of PVC	417.16	17.04	25.75	400.12	1.39
	6/15/2011			18.55	25.75	398.61	1.15
	9/19/2011			18.50	25.75	398.66	1.16
OW1-4	3/29/2011	Top of PVC	419.90	18.13	27.91	401.77	1.56
	6/15/2011			19.90	27.91	400.00	1.28
	9/19/2011			19.77	27.97	400.13	1.30
OW2-2	3/29/2011	Top of PVC	416.59	15.60	34.71	400.99	3.06
	6/15/2011			17.10	34.71	399.49	2.82
	9/19/2011			17.02	34.71	399.57	2.83

DTW - depth to water

DOW - depth of well

(-) - not measured due to presence of an oil layer in well

N/A - not applicable because well was dry

Top of PVC elevation for BR07-31 is not measured

Shadowed cells indicate that well was raised due to soil cover so top of PVC elevation listed above is incorrect

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Table 2: (Page 1 of 1) Groundwater Field Parameters, Pass & Seymour.

Well I.D.	Date	Time	Temp (°C)	Conductivity (mmhos/cm)	Salinity	Dissolved Oxygen (%)	pH (units)	Eh (mV)	Turbidity (NTU)	Amount Purged (gal)
BR07-31	3/30/2011	9:40	3.86	2.282	2.01	0.76	7.25	120.0	17.0	6.00
	6/15/2011	17:15	9.77	2.983	2.25	0.04	7.29	63.0	100	5.00
	9/19/2011	14:25	11.34	2.885	2.07	3.91	8.72	12.1	160	5.00
BR07-32	9/19/2011	11:15	11.02	1.342	0.93	8.19	8.94	23.7	310	2.00
BR08-33	9/19/2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.00/Dry
BR08-34	9/19/2011	15:28	9.62	4.852	3.78	11.07	8.94	29.4	450	7.00/Dry
BR08-35	9/19/2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.25/Dry
BR09-37	3/29/2011	16:23	8.72	2.741	2.11	0.23	6.86	160.2	120	3.25
	6/15/2011	14:33	10.81	2.710	1.97	0.47	7.55	32.1	80.0	2.75
	9/19/2011	13:07	10.36	2.424	1.78	4.44	8.51	80.4	65.0	2.50
BR09-39	3/29/2011	14:50	9.86	1.346	0.97	0.52	7.05	112.5	24.0	5.00
	6/15/2011	16:20	10.64	1.642	1.17	0.04	7.48	77.3	1.30	3.00
	9/19/2011	11:45	11.02	1.242	0.86	7.14	8.70	37.1	1.40	3.00
IW2-1	3/29/2011	11:34	9.84	3.439	2.61	0.65	7.03	110.5	110	29.00
	6/15/2011	10:57	11.13	3.720	2.73	0.03	7.43	69.7	160	30.00
	9/19/2011	8:42	9.12	3.225	2.48	6.12	8.49	23.9	75	30.00
IW2-3	3/29/2011	NS	NS	NS	NS	NS	NS	NS	NS	1.00
	6/15/2011	10:00	11.10	3.725	2.74	0.10	7.58	77.7	22.0	35.00
	9/19/2011	9:10	9.00	3.318	2.57	6.70	8.59	31.0	>1000	34.00
MW05-02	3/29/2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.25/Dry
	6/15/2011	-	-	-	-	-	-	-	-	-
	9/19/2011	-	-	-	-	-	-	-	-	-
MW05-03	3/29/2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.00
	6/15/2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.75/Dry
	9/19/2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.80
MW05-04	3/30/2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.50
	6/15/2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.50
	9/19/2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.50
MW05-05	3/30/2011	-	-	-	-	-	-	-	-	-
	6/15/2011	-	-	-	-	-	-	-	-	-
	9/19/2011	-	-	-	-	-	-	-	-	-
MW05-10	3/29/2011	12:20	7.59	3.589	2.90	0.75	6.94	161.1	120	1.50
	6/15/2011	11:33	9.75	3.167	2.39	1.00	7.52	80.3	130	1.00
	9/19/2011	10:15	9.89	2.768	2.07	8.64	8.81	67.2	340	1.00
MW05-11	3/30/2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.50
	6/15/2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.25/Dry
	9/19/2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.25/Dry
MW05-21	3/30/2011	10:02	3.20	1.881	1.67	0.34	6.98	117.7	>1000	3.50
	6/15/2011	16:55	11.33	2.855	2.05	0.08	7.38	54.1	>1000	3.00
	9/19/2011	14:24	12.40	2.820	1.97	6.05	8.87	8.0	>1000	3.00
OB09-36	3/29/2011	10:16	8.13	3.743	2.99	0.53	7.10	101.8	800	10.50
	6/15/2011	8:48	8.83	4.164	3.28	0.18	7.39	71.1	300	9.00
	9/19/2011	9:55	8.57	3.723	2.94	5.24	8.62	55.8	550	9.00
OB09-38	3/29/2011	8:00	8.52	2.378	1.83	0.43	7.58	58.3	>1000	9.00
	6/15/2011	7:05	8.31	2.477	1.92	0.64	7.34	28.6	700	8.00
	9/19/2011	8:12	8.09	2.270	1.76	3.44	8.40	-1.6	>1000	8.00
OW1-1	3/29/2011	13:10	7.73	2.940	2.34	0.48	7.09	113.7	120	3.50
	6/15/2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.5/Dry
	9/19/2011	10:39	10.93	2.669	1.93	9.97	8.68	47.6	400	1.50
OW1-2	3/29/2011	NM	NM	NM	NM	NM	NM	NM	NM	2.00
	6/15/2011	NM	NM	NM	NM	NM	NM	NM	NM	0.00
	9/19/2011	NM	NM	NM	NM	NM	NM	NM	NM	0.00
OW1-3	3/29/2011	15:40	7.28	1.466	1.14	0.55	7.08	108.8	23.0	4.25
	6/15/2011	15:06	10.21	1.499	1.07	0.31	7.40	61.6	6.70	4.00
	9/19/2011	12:30	12.83	1.278	0.84	7.62	8.38	86.4	3.00	3.50
OW1-4	3/29/2011	14:07	8.56	0.794	0.58	1.03	7.41	89.4	65.0	5.00
	6/15/2011	15:51	10.24	0.928	0.65	0.04	7.57	55.2	60.0	4.00
	9/19/2011	12:08	12.21	0.823	0.54	10.41	8.70	89.6	90.0	4.00
OW2-2	3/29/2011	9:24	8.55	2.958	2.31	0.46	6.75	84.2	>1000	9.75
	6/15/2011	8:03	9.86	3.235	2.43	0.30	7.33	67.8	900	9.00
	9/19/2011	9:33	8.52	2.714	2.10	5.56	8.65	56.7	>1000	9.00

N/A - Parameters not collected due to low volume

NM - Not measured due to presence of oil layer in well

NS - Not sampled due to presence of permanganate solution

(-) - Well dry

Field parameters collected using a YSI 6820 after sample was collected

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Table 3: (Page 1 of 7) Post-ISCO Groundwater Sample Analytical Results, Pass & Seymour.

Analyte	GW Std^ (ug/L)	Sample Identification																			
		BR07-31				BR07-32				BR08-33				BR08-34				BR08-35			
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11
VOCs by EPA Method 8260B																					
Acetone	50		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Acrolein	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Acrylonitrile	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Benzene	1		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Bromobenzene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Bromodichloromethane	50		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Bromoform	50		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Bromomethane	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
n-Butylbenzene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
sec-Butylbenzene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
tert-Butylbenzene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Carbon tetrachloride	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Chlorobenzene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Chlorodibromomethane			U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Chloroethane	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
2-Chloroethyl-vinyl-ether			U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Chloroform	7		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Chloromethane			U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
2-Chlorotoluene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
4-Chlorotoluene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,2-Dibromo-3-chloropropane	0.04		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,2-Dibromoethane			U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Dibromomethane	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,2-Dichlorobenzene	3		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,3-Dichlorobenzene	3		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,4-Dichlorobenzene	3		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Dichlorodifluoromethane	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,1-Dichloroethane	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,2-Dichloroethane	0.6		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,1-Dichloroethene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
cis-1,2-Dichloroethene	5	14		23	27		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
trans-1,2-Dichloroethene	5		U		U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,2-Dichloropropane	1		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,1-Dichloropropene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,3-Dichloropropane	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
cis-1,3-Dichloropropene	0.4		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
trans-1,3-Dichloropropene	0.4		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
2,2-Dichloropropane	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Di-isopropyl ether			U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Ethylbenzene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Hexachloro-1,3-butadiene	0.5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Isopropylbenzene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
p-Isopropyltoluene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
2-Butanone (MEK)	50		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Methylene Chloride	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
4-Methyl-2-pentanone (MIBK)			U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Methyl tert-butyl ether	10		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Naphthalene	10		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
n-Propylbenzene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Styrene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,1,1,2-Tetrachloroethane	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,1,2,2-Tetrachloroethane	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Tetrachloroethene	5	28		31	35		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Toluene	5		U		U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,2,3-Trichlorobenzene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,2,4-Trichlorobenzene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,1,1-Trichloroethane	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,1,2-Trichloroethane	1		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Trichloroethene	5	6		7.8	8.7		NS	NS	5.1		NS	NS	U		NS	NS	U		NS	NS	U
Trichlorofluoromethane	5		U		U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,2,3-Trichloropropane	0.04		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,2,4-Trimethylbenzene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,2,3-Trimethylbenzene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
1,3,5-Trimethylbenzene	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Vinyl chloride	2		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U
Xylenes, Total	5		U	U	U		NS	NS	U		NS	NS	U		NS	NS	U		NS	NS	U

All values reported as ug/L

U - Analyzed for but Not Detected

J - Indicates an estimated value

B - Analyte also detected in the associated laboratory blank

NS - Not sampled. Samples collected annually.

(-) - No sample collected because well was dry

Blank cells indicate that the sample was not analyzed for that analyte

Pre-ISCO data collected

Bold and boxed results indicate an exceedance of Groundwater Standards

^ - GW Std - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

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Table 3: (Page 2 of 7) Post-ISCO Groundwater Sample Analytical Results, Pass & Seymour.

Analyte	GW Std^ (ug/L)	Sample Identification																			
		BR09-37				BR09-39				IW2-1				IW2-3				MW05-02			
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11
VOCs by EPA Method 8260B																					
Acetone	50	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
Acrolein	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
Acrylonitrile	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
Bromobenzene	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
Bromodichloromethane	50	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
Bromoform	50	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
Bromomethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
n-Butylbenzene	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
sec-Butylbenzene	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
tert-Butylbenzene	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
Carbon tetrachloride	5	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
Chlorobenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
Chlorodibromomethane			U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
Chloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
2-Chloroethyl-vinyl-ether			U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
Chloroform	7	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
Chloromethane		U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
2-Chlorotoluene	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
4-Chlorotoluene	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
1,2-Dibromo-3-chloropropane	0.04		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
1,2-Dibromoethane			U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
Dibromomethane	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
1,2-Dichlorobenzene	3		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
1,3-Dichlorobenzene	3		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
1,4-Dichlorobenzene	3		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
Dichlorodifluoromethane	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
1,1-Dichloroethane	5	U	U	36	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
1,1-Dichloroethene	5	U	U	70	U	U	U	U	U	U	U	U	U	370	*	160	180	1.5 J	U	-	-
cis-1,2-Dichloroethene	5	U	3,800	3,700	3,200	12	26	21	37	210	130	130	120	U	*	U	U	U	U	-	-
trans-1,2-Dichloroethene	5	U	U	20	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
1,2-Dichloropropane	1	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
1,1-Dichloropropene	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
1,3-Dichloropropane	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
cis-1,3-Dichloropropene	0.4	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
trans-1,3-Dichloropropene	0.4	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
2,2-Dichloropropane	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
Di-isopropyl ether			U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
Hexachloro-1,3-butadiene	0.5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
Isopropylbenzene	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
p-Isopropyltoluene	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
2-Butanone (MEK)	50	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
Methylene Chloride	5	U	U	U	U	2.7 JB	U	U	U	39 JB	U	U	U	110 JB	*	U	U	U	U	-	-
4-Methyl-2-pentanone (MIBK)		U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
Methyl tert-butyl ether	10		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
Naphthalene	10		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
n-Propylbenzene	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
Styrene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
1,1,1,2-Tetrachloroethane	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
1,1,2,2-Tetrachloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
1,1,2-Trichloro-1,2,2-trifluoroethane	5		U	32	U		U	U	U		U	U	U		*	U	U		U	-	-
Tetrachloroethene	5	U	U	16	U	U	6	U	6.9	U	U	U	U	U	*	U	U	U	U	-	-
Toluene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
1,2,3-Trichlorobenzene	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
1,2,4-Trichlorobenzene	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
1,1,1-Trichloroethane	5	U	U	100	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
1,1,2-Trichloroethane	1	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
Trichloroethene	5	78,000	58,000	46,000	44,000	290	410	280	510	3,900	700	660	720	6,000	*	1,000	1,100	220	16	-	-
Trichlorofluoromethane	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
1,2,3-Trichloropropane	0.04		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
1,2,4-Trimethylbenzene	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
1,2,3-Trimethylbenzene	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
1,3,5-Trimethylbenzene	5		U	U	U		U	U	U		U	U	U		*	U	U		U	-	-
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-
Xylenes, Total	5	U	U	U	U	U	U	U	U	U	U	U	U	U	*	U	U	U	U	-	-

All values reported as ug/L

U - Analyzed for but Not Detected

J - Indicates an estimated value

B - Analyte also detected in the associated laboratory blank

(*) - Not sampled due to presence of purple coloration (ISCO chemical)

(-) - No sample collected because well was dry

Blank cells indicate that the sample was not analyzed for that analyte

Pre-ISCO data collected

Bold and boxed results indicate an exceedance of Groundwater Standards

^ - GW Std - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

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Table 3: (Page 3 of 7) Post-ISCO Groundwater Sample Analytical Results, Pass & Seymour.

Analyte	GW Std^ (ug/L)	Sample Identification																			
		MW05-03				MW05-04				MW05-05				MW05-10				MW05-11			
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11
VOCs by EPA Method 8260B																					
Acetone	50	U	U	U	U	UB	U	U	U	4.0 JB	-	-	-	6.3 JB	U	U	U	13 JB	U	-	-
Acrolein	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
Acrylonitrile	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
Benzene	1	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
Bromobenzene	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
Bromodichloromethane	50	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
Bromoform	50	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
Bromomethane	5	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
n-Butylbenzene	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
sec-Butylbenzene	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
tert-Butylbenzene	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
Carbon tetrachloride	5	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
Chlorobenzene	5	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
Chlorodibromomethane			U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
Chloroethane	5	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
2-Chloroethyl-vinyl-ether			U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
Chloroform	7	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
Chloromethane		U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
2-Chlorotoluene	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
4-Chlorotoluene	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
1,2-Dibromo-3-chloropropane	0.04		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
1,2-Dibromoethane			U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
Dibromomethane	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
1,2-Dichlorobenzene	3		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
1,3-Dichlorobenzene	3		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
1,4-Dichlorobenzene	3		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
Dichlorodifluoromethane	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
1,1-Dichloroethene	5	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
cis-1,2-Dichloroethene	5	**10**	U	**1.3**	**6.2**	U	U	U	U	**17**	-	-	-	**35**	**28**	**30**	**40**	**11 J**	U	-	-
trans-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
1,2-Dichloropropane	1	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
1,1-Dichloropropene	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
1,3-Dichloropropane	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
cis-1,3-Dichloropropene	0.4	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
trans-1,3-Dichloropropene	0.4	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
2,2-Dichloropropane	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
Di-isopropyl ether			U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
Hexachloro-1,3-butadiene	0.5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
Isopropylbenzene	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
p-Isopropyltoluene	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
2-Butanone (MEK)	50	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
Methylene Chloride	5	U	U	U	U	U	U	U	U	U	-	-	-	1.4 JB	U	U	U	2.8 JB	U	-	-
4-Methyl-2-pentanone (MIBK)		U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
Methyl tert-butyl ether	10		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
Naphthalene	10		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
n-Propylbenzene	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
Styrene	5	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
1,1,1,2-Tetrachloroethane	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
1,1,2,2-Tetrachloroethane	5	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
1,1,2-Trichloro-1,2,2-trifluoroethane	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
Tetrachloroethene	5	U	**6.1**	**5.8**	**5.6**	U	U	U	U	2.8 J	-	-	-	U	U	U	U	**6.5 J**	U	-	-
Toluene	5	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
1,2,3-Trichlorobenzene	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
1,2,4-Trichlorobenzene	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
1,1,1-Trichloroethane	5	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
1,1,2-Trichloroethane	1	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
Trichloroethene	5	**250**	**46**	**43**	**55**	**98**	**44**	**56**	**54**	**130**	-	-	-	**180**	**150**	**100**	**130**	**330**	**32**	-	-
Trichlorofluoromethane	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
1,2,3-Trichloropropane	0.04		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
1,2,4-Trimethylbenzene	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
1,2,3-Trimethylbenzene	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
1,3,5-Trimethylbenzene	5		U	U	U		U	U	U		-	-	-		U	U	U		U	-	-
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-
Xylenes, Total	5	U	U	U	U	U	U	U	U	U	-	-	-	U	U	U	U	U	U	-	-

All values reported as ug/L

U - Analyzed for but Not Detected

J - Indicates an estimated value

B - Analyte also detected in the associated laboratory blank

(*) - Not sampled due to presence of purple coloration (ISCO chemical)

(-) - No sample collected because well was dry

Blank cells indicate that the sample was not analyzed for that analyte

Pre-ISCO data collected

Bold and boxed results indicate an exceedance of Groundwater Standards

^ - GW Std - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

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Table 3: (Page 4 of 7) Post-ISCO Groundwater Sample Analytical Results, Pass & Seymour.

Analyte	GW Std^ (ug/L)	Sample Identification																			
		MW05-21				OB09-36				OB09-38				OW1-1				OW1-2			
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11
VOCs by EPA Method 8260B																					
Acetone	50		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acrolein	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acrylonitrile	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	1		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromobenzene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromodichloromethane	50		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	50		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chlorodibromomethane			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chloroethyl-vinyl-ether			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Chlorotoluene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromo-3-chloropropane	0.04		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibromomethane	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	3		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-Dichlorobenzene	3		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5		U	17	18	12				8	89	110	93	470	17	140	210	4,800	1,800	3,500	4,900
trans-1,2-Dichloroethene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	1		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloropropene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-Dichloropropane	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	0.4		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	0.4		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,2-Dichloropropane	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Di-isopropyl ether			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachloro-1,3-butadiene	0.5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone (MEK)	50		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene Chloride	5		U	U	U	3.2 JB	U	U	U	U	U	U	U	170 J	U	U	U	1,300 JB	U	U	U
4-Methyl-2-pentanone (MIBK)			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Styrene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,1,2-Tetrachloroethane	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	5	13	40	55		U	U	U	U	U	U	U	U	34	6.1	5.6	U	440 J	930	350	U
Toluene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	1		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	5	2	8.2	10		140	21	17	20	49	160	140	160	2,700	190	640	690	49,000	8,200	8,300	10,000
Trichlorofluoromethane	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-Trichloropropane	0.04		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-Trimethylbenzene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl chloride	2		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Xylenes, Total	5		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U

All values reported as ug/L

U - Analyzed for but Not Detected

J - Indicates an estimated value

B - Analyte also detected in the associated laboratory blank

(*) - Not sampled due to presence of purple coloration (ISCO chemical)

(-) - No sample collected because well was dry

Blank cells indicate that the sample was not analyzed for that analyte

Pre-ISCO data collected

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Table 3: (Page 5 of 7) Post-ISCO Groundwater Sample Analytical Results, Pass & Seymour.

Analyte	GW Std^ (ug/L)	Sample Identification																			
		OW1-3				OW1-4				OW2-2				Duplicate			Duplicate VOCs				
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Mar-11 (BR09-37)	Jun-11 (OW2-2)	Sep-11 (IW2-1)	Sep-11 (BR08-34)				
VOCs by EPA Method 8260B																					
Acetone	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
Acrolein	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
Acrylonitrile	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
Bromobenzene	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
Bromodichloromethane	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
Bromoform	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
Bromomethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
n-Butylbenzene	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
sec-Butylbenzene	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
tert-Butylbenzene	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
Carbon tetrachloride	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
Chlorobenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
Chlorodibromomethane			U	U	U		U	U	U		U	U	U	U	U	U	U				
Chloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
2-Chloroethyl-vinyl-ether			U	U	U		U	U	U		U	U	U	U	U	U	U				
Chloroform	7	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
Chloromethane		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
2-Chlorotoluene	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
4-Chlorotoluene	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
1,2-Dibromo-3-chloropropane	0.04		U	U	U		U	U	U		U	U	U	U	U	U	U				
1,2-Dibromoethane			U	U	U		U	U	U		U	U	U	U	U	U	U				
Dibromomethane	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
1,2-Dichlorobenzene	3		U	U	U		U	U	U		U	U	U	U	U	U	U				
1,3-Dichlorobenzene	3		U	U	U		U	U	U		U	U	U	U	U	U	U				
1,4-Dichlorobenzene	3		U	U	U		U	U	U		U	U	U	U	U	U	U				
Dichlorodifluoromethane	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
1,2-Dichloroethane	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
1,1-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	1.6	1.3	U				
cis-1,2-Dichloroethene	5	190 J	76	680	560	13 J	8.4	14	17	140	180	220	170	3,400	220	120	U				
trans-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	2.0	1.3	U				
1,2-Dichloropropane	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
1,1-Dichloropropene	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
1,3-Dichloropropane	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
cis-1,3-Dichloropropene	0.4	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
trans-1,3-Dichloropropene	0.4	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
2,2-Dichloropropane	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
Di-isopropyl ether			U	U	U		U	U	U		U	U	U	U	U	U	U				
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
Hexachloro-1,3-butadiene	0.5		U	U	U		U	U	U		U	U	U	U	U	U	U				
Isopropylbenzene	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
p-Isopropyltoluene	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
2-Butanone (MEK)	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
Methylene Chloride	5	190 J	U	U	U	12 J	U	U	U	20 JB	U	U	U	U	U	U	U				
4-Methyl-2-pentanone (MIBK)		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
Methyl tert-butyl ether	10		U	U	U		U	U	U		U	U	U	U	U	U	U				
Naphthalene	10		U	U	U		U	U	U		U	U	U	U	U	U	U				
n-Propylbenzene	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
Styrene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
1,1,1,2-Tetrachloroethane	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
1,1,2,2-Tetrachloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
1,1,2-Trichloro-1,2,2-trifluoroethane	5		U	40			U	U	U		U	U	U	U	U	U	U				
Tetrachloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.2	U				
Toluene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
1,2,3-Trichlorobenzene	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
1,2,4-Trichlorobenzene	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
1,1,1-Trichloroethane	5	U	14	190	U	U	U	U	U	U	U	U	U	U	1.2	1.7	U				
1,1,2-Trichloroethane	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
Trichloroethene	5	2,700	1,800	17,000	13,000	320	270	360	440	1,200	250	360	370	40,000	420	660	U				
Trichlorofluoromethane	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
1,2,3-Trichloropropane	0.04		U	U	U		U	U	U		U	U	U	U	U	U	U				
1,2,4-Trimethylbenzene	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
1,2,3-Trimethylbenzene	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
1,3,5-Trimethylbenzene	5		U	U	U		U	U	U		U	U	U	U	U	U	U				
Vinyl chloride	2	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
Xylenes, Total	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				

All values reported as ug/L.
U - Analyzed for but Not Detected
J - Indicates an estimated value
B - Analyte also detected in the associated laboratory blank
(*) - Not sampled due to presence of purple coloration (ISCO chemical)
(-) - No sample collected because well was dry
Blank cells indicate that the sample was not analyzed for that analyte
Pre-ISCO data collected
Bold and boxed results indicate an exceedance of Groundwater Standards
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Table 3: (Page 6 of 7) Post-ISCO Groundwater Sample Analytical Results, Pass & Seymour.

Analyte	GW Std^ (ug/L)	Sample Identification: BR07-31				BR07-32				BR08-33				BR08-34				BR08-35			
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11
Nitrate by EPA Method 9056																					
Nitrate	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD by EPA Method 410.4																					
Chemical Oxygen Demand	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOC by EPA Method 9060A																					
Total Organic Carbon	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals by EPA Method 6010B																					
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Analyte	GW Std^ (ug/L)	Sample Identification: BR09-37				BR09-39				IW2-1				IW2-3				MW05-02			
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11
Nitrate by EPA Method 9056																					
Nitrate	10,000	2,100	880	1,300	1,200	10,400	7,200	5,200	5,700	440	730	580	850	750	NS	770	370	U 730	-	-	
COD by EPA Method 410.4																					
Chemical Oxygen Demand	NS	9,400 J	19,000	24,000	43,000	4,300 J	U 14,000	17,000		5,800 J	43,000	35,000	45,000	7,100 J	NS	30,000	51,000	22,000	250,000	-	-
TOC by EPA Method 9060A																					
Total Organic Carbon	NS	U 2,200	2,000	2,400		U 1,400	1,100	1,700		U 2,300	2,600	1,600		U	NS	1,400	2,800	1,600	4,300	-	-
Metals by EPA Method 6010B																					
Iron	300	17,000	1,600	830	710	132	U	U 150		1,610	1,300	3,200	950	4,870	NS	400	16,000	27,800	16,000	-	-
Manganese	300	600	4,100	1,800	1,400	2.2	10	U 27		322	250	300	1,200	473	NS	390	10,000	193	220	-	-

Analyte	GW Std^ (ug/L)	Sample Identification: MW05-03				MW05-04				MW05-05				MW05-10				MW05-11			
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11
Nitrate by EPA Method 9056																					
Nitrate	10,000	1,900	11,000	9,800	12,000	2,700	2,200	2,600	2,500	-	-	-	-	3,000	2,300	2,600	3,100	U 7,700	-	-	
COD by EPA Method 410.4																					
Chemical Oxygen Demand	NS	U 46,000	18,000	12,000		U	U	U 10,000		-	-	-	-	8,100 J	34,000	32,000	62,000	20,400	U	-	-
TOC by EPA Method 9060A																					
Total Organic Carbon	NS	1,100	3,400	2,500	3,200	1,100	1,400	1,400	1,700	-	-	-	-		1,800	U 1,600		6,400	4,800	-	-
Metals by EPA Method 6010B																					
Iron	300	9,150	8,800	3,100	3,900	290	310	230	1,100	-	-	-	-	3,630	420	790	3,400	9,330	2,500	-	-
Manganese	300	245	200	87	230	4.9	U	33	42	-	-	-	-	89	26	35	150	8,720	1,900	-	-

Analyte	GW Std^ (ug/L)	Sample Identification: MW05-21				OB09-36				OB09-38				OW1-1				OW1-2			
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11
Nitrate by EPA Method 9056																					
Nitrate	10,000	NA	NA	NA	NA	1,300	1,200	1,200	1,300	94 J	U	U	U	1,900	2,600	2,500	3,400	7,400	1,300	520	540
COD by EPA Method 410.4																					
Chemical Oxygen Demand	NS	NA	NA	NA	NA	35,900	91,000	60,000	U	3,900 J	79,000	50,000	39,000	5,600 J	36,000	36,000	55,000	23,000	58,000	220,000	130,000
TOC by EPA Method 9060A																					
Total Organic Carbon	NS	NA	NA	NA	NA	U	2,400	1,300	1,700	U	1,800	2,100	2,000	U	1,900	1,000	1,900	U	4,100	5,300	14,000
Metals by EPA Method 6010B																					
Iron	300	NA	NA	NA	NA	23,900	9,900	5,800	2,100	38,700	7,400	30,000	34,000	751	1,000	1,400	9,200	1,060	250	4,800	950
Manganese	300	NA	NA	NA	NA	373	280	170	240	569	280	340	400	14.3 J	33	140	1,700	150	860	20,000	4,800

Analyte	GW Std^ (ug/L)	Sample Identification: OW1-3				OW1-4				OW2-2				Duplicate		
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Pre-ISCO	Mar-11	Jun-11	Sep-11	Mar-11 (BR09-37)	Jun-11 (OW2-2)	Sep-11
Nitrate by EPA Method 9056																
Nitrate	10,000	780	1,900	2,300	3,400	3,000	1,600	1,600	1,800	210	170	U 380		880	U 850	
COD by EPA Method 410.4																
Chemical Oxygen Demand	NS	3,700 J	U 38,000	33,000		U	11,000	15,000	10,000	193,000	61,000	39,000	53,000	33,000	70,000	39,000
TOC by EPA Method 9060A																
Total Organic Carbon	NS	U 2,100	2,500	4,100		U	1,300	1,700	7,000	U	2,600	1,900	2,500	2,400	1,800	1,600
Metals by EPA Method 6010B																
Iron	300	227 J	U 600	3,100		208 J	U 1,500	580		239,000	17,000	14,000	12,000	1,600	12,000	1,200
Manganese	300	8.3 J	88 2,700	16,000		8.9 J	U 190	200		3,640	6,300	4,800	4,300	3,600	4,400	320

All values reported as ug/L
U - Analyzed for but Not Detected
J - Indicates an estimated value
NA - Not analyzed for
NS - No standard
(-) - No sample collected because well was dry
Pre-ISCO data collected
Metals samples were unfiltered even if turbidity was greater than 50 NTU
Bold and boxed results indicate an exceedance of Groundwater Standards
^ - GW Std - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

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Table 3: (Page 7 of 7) Post-ISCO Groundwater Sample Analytical Results, Pass & Seymour.

Analyte	GW Std^ (ug/L)	Sample Identification						
		OW1-2				Duplicate		
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Sep-11	Mar-11	Jun-11	Sep-11
SVOCs by EPA Method 8270C								
Acenaphthene	20	U	U	U	U	U	U	U
Acenaphthylene		U	U	U	U	U	U	U
Anthracene	50	460 J	U	U	U	U	U	U
Benzidine	5	U	U	U	U	U	U	U
Benzo(a)anthracene	0.002	**2,200**	**46**	**24**	**88**	**38**	**30**	**230**
Benzo(b)fluoranthene	0.002	**3,300**	**86**	**43**	**190**	**70**	**61**	**540**
Benzo(k)fluoranthene	0.002	**1,300**	**26**	U	**96**	**23**	**25**	U
Benzo(g,h,i)perylene		3,000	35	24	50	32	22	220
Benzo(a)pyrene	ND	**2,100**	**52**	**29**	**110**	**41**	**37**	**340**
Bis(2-chlorethoxy)methane	5	U	U	U	U	U	U	U
Bis(2-chloroethyl)ether	1.0	U	U	U	U	U	U	U
Bis(2-chloroisopropyl)ether		U	U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U	U
2-Chloronaphthalene	10	U	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U	U
Chrysene	0.002	**2,300**	**43**	U	**64**	**30**	**24**	**230**
Dibenz(a,h)anthracene		760	U	U	U	U	U	U
3,3-Dichlorobenzidine	5	U	U	U	U	U	U	U
2,4-Dinitrotoluene	5	U	U	U	U	U	U	U
2,6-Dinitrotoluene	5	U	U	U	U	U	U	U
Fluoranthene	50	**4,100**	**98**	43	**120**	**72**	**59**	**380**
Fluorene	50	410 J	U	U	U	U	U	U
Hexachlorobenzene	0.04	U	U	U	U	U	U	U
Hexachloro-1,3-butadiene	0.5	U	U	U	U	U	U	U
Hexachlorocyclopentadiene	5	U	U	U	U	U	U	U
Hexachloroethane	5	U	U	U	U	U	U	U
Indeno(1,2,3-cd)pyrene	0.002	**3,400**	**39**	**26**	**52**	**32**	**23**	**210**
Isophorone	50	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U
Nitrobenzene	0.4	U	U	U	U	U	U	U
n-Nitrosodimethylamine		U	U	U	U	U	U	U
n-Nitrosodiphenylamine	50	U	U	U	U	U	U	U
n-Nitrosodi-n-propylamine		U	U	U	U	U	U	U
Phenanthrene	50	450 J	U	U	U	U	U	U
Benzylbutyl phthalate		U	U	U	U	U	U	U
Bis(2-ethylhexyl)phthalate	5	**1,300**	**35**	**32**	**77**	**30**	U	**210**
Di-n-butyl phthalate	50	U	U	U	U	U	U	U
Diethyl phthalate	50	U	U	U	U	U	U	U
Dimethyl phthalate	50	U	U	U	U	U	U	U
Di-n-octyl phthalate	50	U	U	U	U	U	U	U
Pyrene	50	**3,600**	**95**	40	**220**	**72**	**54**	**560**
1,2,4-Trichlorobenzene	5	U	U	U	U	U	U	U
4-Chloro-3-methylphenol		U	U	U	U	U	U	U
2-Chlorophenol		U	U	U	U	U	U	U
2,4-Dichlorophenol	5	U	U	U	U	U	U	U
2,4-Dimethylphenol	50	U	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U	U
2,4-Dinitrophenol	10	U	U	U	U	U	U	U
2-Nitrophenol		U	U	U	U	U	U	U
4-Nitrophenol		U	U	U	U	U	U	U
Pentachlorophenol	1	U	U	U	U	U	U	U
Phenol	1	U	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U	U

All values reported as ug/L

U - Analyzed for but Not Detected

J - Indicates an estimated value

ND - Non-detect

(-) - No sample collected because well was dry

Pre-ISCO data collected

Bold and boxed results indicate an exceedance of Groundwater Standards

^ - GW Std - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

Attachment A
Field Sampling Logs

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 9/19/2011 **Job #** N1103

Sampler(s): IEM

Sample ID: OB09-38

Well Information:

Depth of Well (Top of PVC): 33.38'
Initial Static Water Level (Top of PVC): 17.15'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 16.23 ft. of water X .16 = 2.60 gal

Evacuation Method:

Submersible: Centrifugal:
Airlift Pos. Displ.:
Bailer X Ded. Pump

Volume of Water Removed: 8 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	8.09	°C
pH:	8.40	
ORP:	-1.6	mV
Turbidity:	>1000	NTU
DO:	3.44	ml/L
Spec. Conductivity:	2.27	uS/cm
Headspace PID:	0	ppm

Sampling:

Time: 7:50

Sampling Method:

Stainless Bailer
Teflon Bailer 1.75"
Pos. Disp. Pump
Dis. Bailer
Ded. Pump.
Other

Analyses:

Baseline
Routine
Other: 8260B, COD, TOC, Nitrate by IC
Iron, Manganese

Observations:

Weather/Temperature: 50F, Clear, Sunny

Physical appearance and odor of Sample: Water turbid gray, no sheen, little sediment, no odor

Comments: Field parameters were collected after sampling using a YSI 6820

MS/MSD collected at this location at 7:50

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 9/19/2011

Job # N1103

Sampler(s): IEM

Sample ID: OW2-2

Well Information:

Depth of Well (Top of PVC): 34.71'
Initial Static Water Level (Top of PVC): 17.02'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 17.69 ft. of water X .16 = 2.83 gal

Evacuation Method:

Submersible: Centrifugal:
Airlift Pos. Displ.:
Bailer X Ded. Pump

Volume of Water Removed: 9 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	8.52	°C
pH:	8.65	
ORP:	56.7	mV

Turbidity:	>1000	NTU
DO:	5.56	ml/L
Spec. Conductivity:	2.714	uS/cm
Headspace PID:	0	ppm

Sampling:

Time: 9:20

Sampling Method:

Stainless Bailer
Teflon Bailer 1.75"
Pos. Disp. Pump
Dis. Bailer
Ded. Pump.
Other

Analyses:

Baseline
Routine
Other: 8260B, COD, TOC, Nitrate by IC
Iron, Manganese

Observations:

Weather/Temperature: 50F, Clear, Sunny

Physical appearance and odor of Sample: Water turbid brown, no sheen, no sediment, no odor

Comments: Field parameters were collected after sampling using a YSI 6820

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 9/19/2011

Job # N1103

Sampler(s): IEM

Sample ID: OB09-36

Well Information:

Depth of Well (Top of PVC): 33.65'
Initial Static Water Level (Top of PVC): 15.26'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 18.39 ft. of water X .16 = 2.94 gal

Evacuation Method:

Submersible: Centrifugal:
Airlift Pos. Displ.:
Bailer X Ded. Pump

Volume of Water Removed: 9 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	8.57	°C	Turbidity:	550	NTU
pH:	8.62		DO:	5.24	ml/L
ORP:	55.8	mV	Spec. Conductivity:	3.723	uS/cm
			Headspace PID:	0	ppm

Sampling:

Time: 9:40

Sampling Method:

Stainless Bailer
Teflon Bailer 1.75"
Pos. Disp. Pump
Dis. Bailer
Ded. Pump.
Other

Analyses:

Baseline
Routine
Other: 8260B, COD, TOC, Nitrate by IC
Iron, Manganese

Observations:

Weather/Temperature: 50F, Clear, Sunny

Physical appearance and odor of Sample: Water turbid gray, no sheen, no sediment, no odor

Comments: Field parameters were collected after sampling using a YSI 6820

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour **Date:** 9/19/2011 **Job #** N1103

Sampler(s): IEM **Sample ID:** IW2-3

Well Information:

Depth of Well (Top of PVC): 34.60'
Initial Static Water Level (Top of PVC): 16.97'
Depth to LNAPL/DNAPL: _____
LNAPL/DNAPL Thickness (inches): _____

Well Volume Calculation:

1 in. casing: _____ ft. of water X .041 = _____
2 in. casing: _____ ft. of water X .16 = _____
4 in. casing: 17.63 ft. of water X .64 = 11.28 gal

Evacuation Method:

Submersible: _____ Centrifugal: _____
Airlift _____ Pos. Displ.: _____
Bailer X Ded. Pump _____

Volume of Water Removed: 34 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	9.00	°C	Turbidity:	>1000	NTU
pH:	8.59		DO:	6.70	ml/L
ORP:	31	mV	Spec. Conductivity:	3.318	uS/cm
			Headspace PID:	0	ppm

Sampling:

Time: 8:55

Sampling Method:

Stainless Bailer _____
Teflon Bailer 1.75"
Pos. Disp. Pump _____
Dis. Bailer _____
Ded. Pump. _____
Other _____

Analyses:

Baseline _____
Routine _____
Other: 8260B, COD, TOC, Nitrate by IC
Iron, Manganese

Observations:

Weather/Temperature: 50F, Clear, Sunny

Physical appearance and odor of Sample: Water slightly cloudy, no sheen, no sediment, no odor

Comments: Field parameters were collected after sampling using a YSI 6820

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 9/19/2011

Job # N1103

Sampler(s): IEM

Sample ID: IW2-1

Well Information:

Depth of Well (Top of PVC): 34.35'
Initial Static Water Level (Top of PVC): 18.69'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: ft. of water X .16 =
4 in. casing: 15.66 ft. of water X .64 = 10.02 gal

Evacuation Method:

Submersible: Centrifugal:
Airlift Pos. Displ.:
Bailer X Ded. Pump

Volume of Water Removed: 30 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	9.12	°C
pH:	8.49	
ORP:	23.9	mV
Turbidity:	75	NTU
DO:	6.12	ml/L
Spec. Conductivity:	3.225	uS/cm
Headspace PID:	0	ppm

Sampling:

Time: 8:25

Sampling Method:

Stainless Bailer
Teflon Bailer 1.75"
Pos. Disp. Pump
Dis. Bailer
Ded. Pump.
Other

Analyses:

Baseline
Routine
Other: 8260B, COD, TOC, Nitrate by IC
Iron, Manganese

Observations:

Weather/Temperature: 50F, Clear, Sunny

Physical appearance and odor of Sample: Water slightly cloudy, no sheen, no sediment, no odor

Comments: Field parameters were collected after sampling using a YSI 6820

Duplicate collected here at 8:25

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 9/19/2011 **Job #** N1103

Sampler(s): IEM

Sample ID: MW05-10

Well Information:

Depth of Well (Top of PVC): 19.25'
Initial Static Water Level (Top of PVC): 17.27'
Depth to LNAPL/DNAPL: _____
LNAPL/DNAPL Thickness (inches): _____

Well Volume Calculation:

1 in. casing: _____ ft. of water X .041 = _____
2 in. casing: 1.98 ft. of water X .16 = 0.32 gal

Evacuation Method:

Submersible: _____ Centrifugal: _____
Airlift _____ Pos. Displ.: _____
Bailer X Ded. Pump _____

Volume of Water Removed: 1 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	9.89	°C
pH:	8.81	
ORP:	67.2	mV
Turbidity:	340	NTU
DO:	8.64	ml/L
Spec. Conductivity:	2.768	uS/cm
Headspace PID:	0	ppm

Sampling:

Time: 10:15

Sampling Method:

Stainless Bailer _____
Teflon Bailer 1.75"
Pos. Disp. Pump _____
Dis. Bailer _____
Ded. Pump. _____
Other _____

Analyses:

Baseline _____
Routine _____
Other: 8260B, COD, TOC, Nitrate by IC
Iron, Manganese

Observations:

Weather/Temperature: 50F, Clear, Sunny

Physical appearance and odor of Sample: Water clear, no odor, no sheen

Comments: Field parameters were collected after sampling using a YSI 6820

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 9/19/2011 **Job #** N1103

Sampler(s): IEM

Sample ID: MW05-03

Well Information:
Depth of Well (Top of PVC): 14.20'
Initial Static Water Level (Top of PVC): 12.55'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:
1 in. casing: ft. of water X .041 =
2 in. casing: 1.65 ft. of water X .16 = 0.26 gal

Evacuation Method:
Submersible: Centrifugal:
Airlift Pos. Displ.:
Bailer X Ded. Pump

Volume of Water Removed: 0.8 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:
Sample Temp. °C
pH:
ORP: mV
Turbidity: NTU
DO: ml/L
Spec. Conductivity: uS/cm
Headspace PID: 1.2 ppm

Sampling:
Time: 10:35

Sampling Method:
Stainless Bailer
Teflon Bailer 1.75"
Pos. Disp. Pump
Dis. Bailer
Ded. Pump.
Other

Analyses:
Baseline
Routine
Other: 8260B, COD, TOC, Nitrate by IC
Iron, Manganese

Observations:
Weather/Temperature: 50F, Clear, Sunny

Physical appearance and odor of Sample: Water slightly turbid, no sheen, no odor

Comments: There wasn't enough volume to collect field parameters

Had to wait for well to recharge once during sampling

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 9/19/2011 **Job #** N1103

Sampler(s): IEM

Sample ID: OW1-1

Well Information:

Depth of Well (Top of PVC): 23.05'
Initial Static Water Level (Top of PVC): 18.02'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 5.03 ft. of water X .16 = 0.80 gal

Evacuation Method:

Submersible: Centrifugal:
Airlift Pos. Displ.:
Bailer X Ded. Pump

Volume of Water Removed: 1.5 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	10.93	°C
pH:	8.68	
ORP:	47.6	mV
Turbidity:	400	NTU
DO:	9.97	ml/L
Spec. Conductivity:	2.669	uS/cm
Headspace PID:	0	ppm

Sampling:

Time: 10:30

Sampling Method:

Stainless Bailer
Teflon Bailer 1.75"
Pos. Disp. Pump
Dis. Bailer
Ded. Pump.
Other

Analyses:

Baseline
Routine
Other: 8260B, COD, TOC, Nitrate by IC
Iron, Manganese

Observations:

Weather/Temperature: 70F, Clear, Sunny

Physical appearance and odor of Sample: Water cloudy, no sheen, little sediment, no odor

Comments:

N1103

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour **Date:** 9/19/2011 **Job #** N1103

Sampler(s): IEM **Sample ID:** OW1-4

Well Information:

Depth of Well (Top of PVC): 27.91'
Initial Static Water Level (Top of PVC): 19.77'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 8.14 ft. of water X .16 = 1.30 gal

Evacuation Method:

Submersible: Centrifugal:
Airlift Pos. Displ.:
Bailer X Ded. Pump

Volume of Water Removed: 4 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	12.21	°C	Turbidity:	90.0 NTU
pH:	8.70		DO:	10.41 ml/L
ORP:	89.6	mV	Spec. Conductivity:	0.823 uS/cm
			Headspace PID:	1.7 ppm

Sampling:

Time: 12:00

Sampling Method:

Stainless Bailer
Teflon Bailer 1.75"
Pos. Disp. Pump
Dis. Bailer
Ded. Pump.
Other

Analyses:

Baseline
Routine
Other: 8260B, COD, TOC, Nitrate by IC
Iron, Manganese

Observations:

Weather/Temperature: 70F, Clear, Sunny

Physical appearance and odor of Sample: Water slightly cloudy, no sheen, no odor

Comments: Field parameters were collected after sampling using a YSI 6820

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 9/19/2011 **Job #** N1103

Sampler(s): IEM

Sample ID: BR09-39

Well Information:

Depth of Well (Top of PVC): 30.22'
Initial Static Water Level (Top of PVC): 24.16'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 6.06 ft. of water X .16 = 0.97 gal

Evacuation Method:

Submersible: Centrifugal:
Airlift Pos. Displ.:
Bailer X Ded. Pump

Volume of Water Removed: 3 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	11.02	°C
pH:	8.70	
ORP:	37.1	mV

Turbidity:	1.40	NTU
DO:	7.14	ml/L
Spec. Conductivity:	1.242	uS/cm
Headspace PID:	0.1	ppm

Sampling:

Time: 11:40

Sampling Method:

Stainless Bailer
Teflon Bailer 1.75"
Pos. Disp. Pump
Dis. Bailer
Ded. Pump.
Other

Analyses:

Baseline
Routine
Other: 8260B, COD, TOC, Nitrate by IC
Iron, Manganese

Observations:

Weather/Temperature: 70F, Clear, Sunny

Physical appearance and odor of Sample: Water clear, no sheen, no sediment, no odor

Comments: Field parameters were collected after sampling using a YSI 6820

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour **Date:** 9/19/2011 **Job #** N1103

Sampler(s): IEM **Sample ID:** BR07-32

Well Information:

Depth of Well (Top of PVC): 19.90'
Initial Static Water Level (Top of PVC): 16.51'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 3.39 ft. of water X .16 = 0.54 gal

Evacuation Method:

Submersible: Centrifugal:
Airlift Pos. Displ.:
Bailer X Ded. Pump

Volume of Water Removed: 2 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	11.02	°C	Turbidity:	310.0	NTU
pH:	8.94		DO:	8.19	ml/L
ORP:	23.7	mV	Spec. Conductivity:	1.342	uS/cm
			Headspace PID:	2.8	ppm

Sampling:

Time: 11:00

Sampling Method:

Stainless Bailer
Teflon Bailer 1.75"
Pos. Disp. Pump
Dis. Bailer
Ded. Pump.
Other

Analyses:

Baseline
Routine
Other: 8260B

Observations:

Weather/Temperature: 70F, Clear, Sunny

Physical appearance and odor of Sample: Water rusty brown with floaters for purge, clear for sample, no sheen, no sediment, no odor

Comments: Field parameters were collected after sampling using a YSI 6820

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Sampler(s): IEM

Date: 9/19/2011

Job # N1103

Sample ID: BR08-35

Well Information:

Depth of Well (Top of PVC): 32.13'
Initial Static Water Level (Top of PVC): 8.53'
Depth to LNAPL/DNAPL: _____
LNAPL/DNAPL Thickness (inches): _____

Well Volume Calculation:

1 in. casing: _____ ft. of water X .041 = _____
2 in. casing: 23.6 ft. of water X .16 = 3.78 gal

Evacuation Method:

Submersible: _____ Centrifugal: _____
Airlift _____ Pos. Displ.: _____
Bailer X Ded. Pump _____

Volume of Water Removed: 5.25 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp. _____ °C
pH: _____
ORP: _____ mV

Turbidity: _____ NTU
DO: _____ ml/L
Spec. Conductivity: _____ uS/cm
Headspace PID: 0 ppm

Sampling:

Time: 15:45

Sampling Method:

Stainless Bailer _____
Teflon Bailer 1.75"
Pos. Disp. Pump _____
Dis. Bailer _____
Ded. Pump. _____
Other _____

Analyses:

Baseline _____
Routine _____
Other: 8260B

Observations:

Weather/Temperature: 70F, Clear, Sunny

Physical appearance and odor of Sample: Water clear, no sheen, no sediment, no odor

Comments: Insufficient volume for field parameters

Had to wait for well to recharge before sample collection

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 9/19/2011

Job # N1103

Sampler(s): IEM

Sample ID: OW1-3

Well Information:

Depth of Well (Top of PVC): 25.75'
Initial Static Water Level (Top of PVC): 18.50'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: _____ ft. of water X .041 = _____
2 in. casing: 7.25 ft. of water X .16 = 1.16 gal

Evacuation Method:

Submersible: _____ Centrifugal: _____
Airlift _____ Pos. Displ.: _____
Bailer X Ded. Pump _____

Volume of Water Removed: 3.5 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	12.83	°C
pH:	8.38	
ORP:	86.4	mV

Turbidity:	3.00	NTU
DO:	7.62	ml/L
Spec. Conductivity:	1.278	uS/cm
Headspace PID:	0	ppm

Sampling:

Time: 12:20

Sampling Method:

Stainless Bailer
Teflon Bailer 1.75"
Pos. Disp. Pump
Dis. Bailer
Ded. Pump.
Other

Analyses:

Baseline
Routine
Other: 8260B, COD, TOC, Nitrate by IC
Iron, Manganese

Observations:

Weather/Temperature: 70F, Clear, Sunny

Physical appearance and odor of Sample: Water has a used permanganate color (tea brown), some brown floaters, no sheen

Comments: Field parameters were collected after sampling using a YSI 6820

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 9/19/2011 **Job #** N1103

Sampler(s): IEM

Sample ID: MW05-02

Well Information:
Depth of Well (Top of PVC): 9.92'
Initial Static Water Level (Top of PVC): 9.53'
Depth to LNAPL/DNAPL: _____
LNAPL/DNAPL Thickness (inches): _____

Well Volume Calculation:
1 in. casing: _____ ft. of water X .041 = _____
2 in. casing: 0.39 ft. of water X .16 = 0.06 gal

Evacuation Method:
Submersible: _____ Centrifugal: _____
Airlift _____ Pos. Displ.: _____
Bailer _____ Ded. Pump _____
Volume of Water Removed: _____ gallons
> 3 volumes: yes no
dry: yes no

Field Tests:
Sample Temp. _____ °C
pH: _____
ORP: _____ mV
Turbidity: _____ NTU
DO: _____ ml/L
Spec. Conductivity: _____ uS/cm
Headspace PID: 0.3 ppm

Sampling:
Time: _____
Sampling Method:
Stainless Bailer _____
Teflon Bailer _____
Pos. Disp. Pump _____
Dis. Bailer _____
Ded. Pump. _____
Other _____

Analyses:
Baseline _____
Routine _____
Other: _____

Observations:
Weather/Temperature: 70F, Clear, Sunny

Physical appearance and odor of Sample: _____

Comments: Not enough volume to collect sample

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 9/19/2011 **Job #** N1103

Sampler(s): IEM

Sample ID: BR09-37

Well Information:

Depth of Well (Top of PVC): 24.28'
Initial Static Water Level (Top of PVC): 19.28'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 5 ft. of water X .16 = 0.8 gal

Evacuation Method:

Submersible: Centrifugal:
Airlift Pos. Displ.:
Bailer X Ded. Pump

Volume of Water Removed: 2.5 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	10.36	°C
pH:	8.51	
ORP:	80.4	mV

Turbidity:	65.0	NTU
DO:	4.44	ml/L
Spec. Conductivity:	2.424	uS/cm
Headspace PID:	1800	ppm

Sampling:

Time: 13:00

Sampling Method:

Stainless Bailer
Teflon Bailer 1.75"
Pos. Disp. Pump
Dis. Bailer
Ded. Pump.
Other

Analyses:

Baseline
Routine
Other: 8260B, COD, TOC, Nitrate by IC
Iron, Manganese

Observations:

Weather/Temperature: 70F, Clear, Sunny

Physical appearance and odor of Sample: Water clear, no sheen, no sediment, no odor

Comments: Field parameters were collected after sampling using a YSI 6820

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 9/19/2011

Job # N1103

Sampler(s): IEM

Sample ID: OW1-2

Well Information:
Depth of Well (Top of PVC):
Initial Static Water Level (Top of PVC):
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:
1 in. casing: ft. of water X .041 =
2 in. casing: ft. of water X .16 =

Evacuation Method:
Submersible: Centrifugal:
Airlift Pos. Displ.:
Bailer Ded. Pump
Volume of Water Removed: gallons
> 3 volumes: yes no
dry: yes no

Field Tests:
Sample Temp. °C
pH:
ORP: mV
Turbidity: NTU
DO: ml/L
Spec. Conductivity: uS/cm
Headspace PID: 185 ppm

Sampling:
Time: 13:05

Sampling Method:
Stainless Bailer
Teflon Bailer 1.75"
Pos. Disp. Pump
Dis. Bailer
Ded. Pump.
Other

Analyses:
Baseline
Routine
Other: VOCs, COD, TOC, Nitrate by IC
Iron, Manganese, SVOCs

Observations:
Weather/Temperature: 70F, Clear, Sunny

Physical appearance and odor of Sample: Water clear, sheen and oil on top, strong odor

Comments: Field parameters and depth to water not recorded due to presence of oil layer in well

Grab sample collected due to presence of oil layer in well

MS/MSD and Duplicate for SVOCs collected from this well at 13:05

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 9/19/2011

Job # N1103

Sampler(s): IEM

Sample ID: MW05-11

Well Information:

Depth of Well (Top of PVC): 14.31'
Initial Static Water Level (Top of PVC): 13.64'
Depth to LNAPL/DNAPL: _____
LNAPL/DNAPL Thickness (inches): _____

Well Volume Calculation:

1 in. casing: _____ ft. of water X .041 = _____
2 in. casing: 0.67 ft. of water X .16 = 0.11 gal

Evacuation Method:

Submersible: _____ Centrifugal: _____
Airlift _____ Pos. Displ.: _____
Bailer X Ded. Pump _____

Volume of Water Removed: <0.25 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp. _____ °C
pH: _____
ORP: _____ mV

Turbidity: _____ NTU
DO: _____ ml/L
Spec. Conductivity: _____ uS/cm
Headspace PID: 1.1 ppm

Sampling:

Time: _____

Sampling Method:

Stainless Bailer _____
Teflon Bailer _____
Pos. Disp. Pump _____
Dis. Bailer _____
Ded. Pump. _____
Other _____

Analyses:

Baseline _____
Routine _____
Other: _____

Observations:

Weather/Temperature: 70F, Clear, Sunny

Physical appearance and odor of Sample: _____

Comments: Well did not recharge after purge

Insufficient volume for sample collection

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Sampler(s): IEM

Date: 9/19/2011

Job # N1103

Sample ID: MW05-05

Well Information:

Depth of Well (Top of PVC): _____

Initial Static Water Level (Top of PVC): _____

Depth to LNAPL/DNAPL: _____

LNAPL/DNAPL Thickness (inches): _____

Well Volume Calculation:

1 in. casing: _____ ft. of water X .041 = _____

2 in. casing: _____ ft. of water X .16 = _____

Evacuation Method:

Submersible: _____ Centrifugal: _____

Airlift _____ Pos. Displ.: _____

Bailer _____ Ded. Pump _____

Volume of Water Removed: _____ gallons

> 3 volumes: yes no

dry: yes no

Field Tests:

Sample Temp. _____ °C

pH: _____

ORP: _____ mV

Turbidity: _____ NTU

DO: _____ ml/L

Spec. Conductivity: _____ uS/cm

Headspace PID: 0 ppm

Sampling:

Time: _____

Sampling Method:

Stainless Bailer _____

Teflon Bailer _____

Pos. Disp. Pump _____

Dis. Bailer _____

Ded. Pump. _____

Other _____

Analyses:

Baseline _____

Routine _____

Other: _____

Observations:

Weather/Temperature: 70F, Clear, Sunny

Physical appearance and odor of Sample: _____

Comments: Well was dry

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 9/19/2011

Job # N1103

Sampler(s): IEM

Sample ID: MW05-04

Well Information:

Depth of Well (Top of PVC): 10.70'
Initial Static Water Level (Top of PVC): 9.74'
Depth to LNAPL/DNAPL: _____
LNAPL/DNAPL Thickness (inches): _____

Well Volume Calculation:

1 in. casing: _____ ft. of water X .041 = _____
2 in. casing: 0.96 ft. of water X .16 = 0.15 gal

Evacuation Method:

Submersible: _____ Centrifugal: _____
Airlift _____ Pos. Displ.: _____
Bailer X Ded. Pump _____

Volume of Water Removed: 0.5 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp. _____ °C
pH: _____
ORP: _____ mV

Turbidity: _____ NTU
DO: _____ ml/L
Spec. Conductivity: _____ uS/cm
Headspace PID: 2.8 ppm

Sampling:

Time: 12:35

Sampling Method:

Stainless Bailer _____
Teflon Bailer 1.75"
Pos. Disp. Pump _____
Dis. Bailer _____
Ded. Pump. _____
Other _____

Analyses:

Baseline _____
Routine _____
Other: 8260B, COD, TOC, Nitrate by IC
Iron, Manganese

Observations:

Weather/Temperature: 70F, Clear, Sunny

Physical appearance and odor of Sample: Water clear, no sheen, no sediment, no odor

Comments: Not enough volume to collect field parameters

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 9/19/2011 **Job #** N1103

Sampler(s): IEM

Sample ID: BR07-31

Well Information:

Depth of Well (Top of PVC): 19.78'
Initial Static Water Level (Top of PVC): 9.47'
Depth to LNAPL/DNAPL: _____
LNAPL/DNAPL Thickness (inches): _____

Well Volume Calculation:

1 in. casing: _____ ft. of water X .041 = _____
2 in. casing: 10.31 ft. of water X .16 = 1.65 gal

Evacuation Method:

Submersible: _____ Centrifugal: _____
Airlift _____ Pos. Displ.: _____
Bailer X Ded. Pump _____

Volume of Water Removed: 5 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	11.34	°C
pH:	8.72	
ORP:	12.1	mV
Turbidity:	160	NTU
DO:	3.91	ml/L
Spec. Conductivity:	2.885	uS/cm
Headspace PID:	0.4	ppm

Sampling:

Time: 14:10

Sampling Method:

Stainless Bailer _____
Teflon Bailer 1.75"
Pos. Disp. Pump _____
Dis. Bailer _____
Ded. Pump. _____
Other _____

Analyses:

Baseline _____
Routine _____
Other: 8260B, COD, TOC, Nitrate by IC
Iron, Manganese

Observations:

Weather/Temperature: 70F, Clear, Sunny

Physical appearance and odor of Sample: Water slightly cloudy, no sheen, no sediment, no odor

Comments: Field parameters were collected after sampling using a YSI 6820

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour **Date:** 9/19/2011 **Job #** N1103

Sampler(s): IEM **Sample ID:** MW05-21

Well Information:

Depth of Well (Top of PVC): 11.70'
Initial Static Water Level (Top of PVC): 5.55'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 6.15 ft. of water X .16 = 0.98 gal

Evacuation Method:

Submersible: Centrifugal:
Airlift Pos. Displ.:
Bailer X Ded. Pump

Volume of Water Removed: 3 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	12.4	°C	Turbidity:	>1000 NTU
pH:	8.87		DO:	6.05 ml/L
ORP:	8	mV	Spec. Conductivity:	2.82 uS/cm
			Headspace PID:	0.3 ppm

Sampling:

Time: 14:05

Sampling Method:

Stainless Bailer
Teflon Bailer 1.75"
Pos. Disp. Pump
Dis. Bailer
Ded. Pump.
Other

Analyses:

Baseline
Routine
Other: 8260B, COD, TOC, Nitrate by IC
Iron, Manganese

Observations:

Weather/Temperature: 70F, Clear, Sunny

Physical appearance and odor of Sample: Water turbid brown, no sheen, no odor

Comments: Field parameters were collected after sampling using a YSI 6820

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Sampler(s): IEM

Date: 9/19/2011

Job # N1103

Sample ID: BR08-33

Well Information:
Depth of Well (Top of PVC): 42.11'
Initial Static Water Level (Top of PVC): 22.45'
Depth to LNAPL/DNAPL: _____
LNAPL/DNAPL Thickness (inches): _____

Well Volume Calculation:
1 in. casing: _____ ft. of water X .041 = _____
2 in. casing: 19.66 ft. of water X .16 = 3.15 gal

Evacuation Method:
Submersible: _____ Centrifugal: _____
Airlift _____ Pos. Displ.: _____
Bailer X Ded. Pump _____

Volume of Water Removed: 4 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:
Sample Temp. _____ °C
pH: _____
ORP: _____ mV

Turbidity: _____ NTU
DO: _____ ml/L
Spec. Conductivity: _____ uS/cm
Headspace PID: 0 ppm

Sampling:
Time: 15:05

Sampling Method:
Stainless Bailer _____
Teflon Bailer 1.75"
Pos. Disp. Pump _____
Dis. Bailer _____
Ded. Pump. _____
Other _____

Analyses:
Baseline _____
Routine _____
Other: 8260B

Observations:
Weather/Temperature: 70F, Clear, Sunny

Physical appearance and odor of Sample: Water clear, no sheen, no sediment, no odor

Comments: Insufficient volume for field parameters

Had to wait for well to recharge before sample collection

MS/MSD for VOCs collected here at 15:05

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour **Date:** 9/19/2011 **Job #** N1103

Sampler(s): IEM **Sample ID:** BR08-34

Well Information:

Depth of Well (Top of PVC): 42.35'
Initial Static Water Level (Top of PVC): 8.90'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 33.45 ft. of water X .16 = 5.35 gal

Evacuation Method:

Submersible: Centrifugal:
Airlift Pos. Displ.:
Bailer X Ded. Pump

Volume of Water Removed: 7 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	9.62	°C	Turbidity:	450	NTU
pH:	8.94		DO:	11.07	ml/L
ORP:	29.4	mV	Spec. Conductivity:	4.852	uS/cm
			Headspace PID:	0	ppm

Sampling:

Time: 14:50

Sampling Method:

Stainless Bailer
Teflon Bailer 1.75"
Pos. Disp. Pump
Dis. Bailer
Ded. Pump.
Other

Analyses:

Baseline
Routine
Other: 8260B

Observations:

Weather/Temperature: 70F, Clear, Sunny

Physical appearance and odor of Sample: Water clear, no sheen, no sediment, no odor

Comments: Field parameters were collected after sampling using a YSI 6820

Had to wait for well to recharge before sample collection

Duplicate for VOCs collected here at 14:50