C734102

S&W
REDEVELOPMENT

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

July 20 2011

Re: Quarterly Monitoring for Brownfield Site #C734102

Dear Ms. Blum,

The purpose of this letter report is to submit the results of the second 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 June 15th of 2011. The Groundwater Field Sampling logs are included as Attachment A. The following were noteworthy observations or actions taken during sampling:

1. OW-2 which had a sheen during the first quarter did not have a visible sheen during this quarter, however OW 1-2 did have a visible sheen.
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.

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 from both the first and second quarters in the New York State Department of Environmental Conservation DER electronic database.

We have also included a site inspection checklist for June 2011. There were no observable problems.

Please contact me if you have any questions.

Very Truly Yours,

David W. Stoner
President

Attachment A

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 6/15/2011 **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): 17.33'
Depth to LNAPL/DNAPL: _____
LNAPL/DNAPL Thickness (inches): _____

Well Volume Calculation:

1 in. casing: _____ ft. of water X .041 = _____
2 in. casing: 16.05 ft. of water X .16 = 2.57 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.	8.31	°C
pH:	7.34	
ORP:	28.6	mV
Turbidity:	700	NTU
DO:	0.64	ml/L
Spec. Conductivity:	2.477	uS/cm
Headspace PID:	0	ppm

Sampling:

Time: 6:30

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: 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

MS/MSD collected at this location at 6:30

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 6/15/2011

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): 17.10'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 17.61 ft. of water X .16 = 2.82 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.	9.86	°C
pH:	7.33	
ORP:	67.8	mV
Turbidity:	900	NTU
DO:	0.3	ml/L
Spec. Conductivity:	3.235	uS/cm
Headspace PID:	0.6	ppm

Sampling:

Time: 7:45

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

Duplicate collected at this location at 7:45

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 6/15/2011

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): 15.39'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 18.26 ft. of water X .16 = 2.92 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.	8.83	°C	Turbidity:	300	NTU
pH:	7.58		DO:	0.18	ml/L
ORP:	71.1	mV	Spec. Conductivity:	4.164	uS/cm
			Headspace PID:	0.3	ppm

Sampling:

Time: 8:40

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: 6/15/2011

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): 17.09'
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: 17.51 ft. of water X .64 = 11.21 gal

Evacuation Method:

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

Volume of Water Removed: 35 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	11.10	°C
pH:	7.58	
ORP:	77.7	mV

Turbidity:	22.0	NTU
DO:	0.10	ml/L
Spec. Conductivity:	3.725	uS/cm
Headspace PID:	0.2	ppm

Sampling:

Time: 9:55

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: 6/15/2011

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): 18.81'
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: 15.54 ft. of water X .64 = 9.95 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.	11.13	°C
pH:	7.43	
ORP:	69.7	mV
Turbidity:	160	NTU
DO:	0.03	ml/L
Spec. Conductivity:	3.720	uS/cm
Headspace PID:	0.7	ppm

Sampling:

Time: 10:50

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 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: 6/15/2011 **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): 17.28'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 1.97 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.	9.75	°C
pH:	7.52	
ORP:	80.3	mV
Turbidity:	130	NTU
DO:	1.00	ml/L
Spec. Conductivity:	3.167	uS/cm
Headspace PID:	0	ppm

Sampling:

Time: 11:20

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 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: 6/15/2011

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): 12.72'

Depth to LNAPL/DNAPL:

LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

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

2 in. casing: 1.48 ft. of water X .16 = 0.24 gal

Evacuation Method:

Submersible: Centrifugal

Airlift Pos. Displ.:

Bailer X Ded. Pump

Volume of Water Removed: 0.75 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: 5.2 ppm

Sampling:

Time: 11:50

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 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: 6/15/2011 **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): 17.86'
Depth to LNAPL/DNAPL: _____
LNAPL/DNAPL Thickness (inches): _____

Well Volume Calculation:

1 in. casing: _____ ft. of water X .041 = _____
2 in. casing: 5.19 ft. of water X .16 = 0.83 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. _____ °C
pH: _____
ORP: _____ mV

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

Sampling:

Time: 12:15

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: 85F, Clear, Sunny

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

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

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Date: 6/15/2011 **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): 19.90'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 8.01 ft. of water X .16 = 1.28 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.	10.24	°C
pH:	7.57	
ORP:	55.2	mV
Turbidity:	60.0	NTU
DO:	0.04	ml/L
Spec. Conductivity:	0.428	uS/cm
Headspace PID:	6.9	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, COD, TOC, Nitrate by IC
Iron, Manganese

Observations:

Weather/Temperature: 85F, 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

Sampler(s): IEM

Date: 6/15/2011

Job # N1103

Sample ID: BR09-39

Well Information:

Depth of Well (Top of PVC): 30.22'
Initial Static Water Level (Top of PVC): 24.25'
Depth to LNAPL/DNAPL: _____
LNAPL/DNAPL Thickness (inches): _____

Well Volume Calculation:

1 in. casing: _____ ft. of water X .041 = _____
2 in. casing: 5.97 ft. of water X .16 = 0.96 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.	10.64	°C
pH:	7.48	
ORP:	77.3	mV
Turbidity:	1.30	NTU
DO:	0.04	ml/L
Spec. Conductivity:	1.642	uS/cm
Headspace PID:	8.8	ppm

Sampling:

Time: 16:10

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: 85F, 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: 6/15/2011 **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): 18.55'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 7.2 ft. of water X .16 = 1.15 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.	10.21	°C
pH:	7.40	
ORP:	32.1	mV
Turbidity:	6.70	NTU
DO:	0.31	ml/L
Spec. Conductivity:	1.499	uS/cm
Headspace PID:	0.2	ppm

Sampling:

Time: 15:00

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: 85F, Clear, Sunny

Physical appearance and odor of Sample: Water clear, 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: 6/15/2011

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): 9.75'

Depth to LNAPL/DNAPL: _____

LNAPL/DNAPL Thickness (inches): _____

Well Volume Calculation:

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

2 in. casing: 0.17 ft. of water X .16 = 0.02 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 ppm

Sampling:

Time: _____

Sampling Method:

Stainless Bailer _____

Teflon Bailer _____

Pos. Disp. Pump _____

Dis. Bailer _____

Ded. Pump. _____

Other _____

Analyses:

Baseline _____

Routine _____

Other: _____

Observations:

Weather/Temperature: 85F, 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: 6/15/2011

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): 19.36'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 4.92 ft. of water X .16 = 0.79 gal

Evacuation Method:

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

Volume of Water Removed: 2.75 gallons
> 3 volumes: yes no
dry: yes no

Field Tests:

Sample Temp.	10.81	°C
pH:	7.55	
ORP:	32.1	mV

Turbidity:	80.0	NTU
DO:	0.47	ml/L
Spec. Conductivity:	2.710	uS/cm
Headspace PID:	467	ppm

Sampling:

Time: 14:25

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: 85F, 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: 6/15/2011

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: 117 ppm

Sampling:

Time: 13:20

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: 85F, 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 13:20

GROUNDWATER FIELD SAMPLING RECORD

S&W Redevelopment of NA, LLC

Site Identification: Pass & Seymour

Sampler(s): IEM

Date: 6/15/2011

Job # N1103

Sample ID: MW05-11

Well Information:

Depth of Well (Top of PVC): 14.31'

Initial Static Water Level (Top of PVC): 13.75'

Depth to LNAPL/DNAPL: _____

LNAPL/DNAPL Thickness (inches): _____

Well Volume Calculation:

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

2 in. casing: 0.56 ft. of water X .16 = 0.09 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: 1.3 ppm

Sampling:

Time: _____

Sampling Method:

Stainless Bailer _____

Teflon Bailer _____

Pos. Disp. Pump _____

Dis. Bailer _____

Ded. Pump. _____

Other _____

Analyses:

Baseline _____

Routine _____

Other: _____

Observations:

Weather/Temperature: 85F, 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: 6/15/2011 **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: 85F, 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: 6/15/2011 **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): 9.81'
Depth to LNAPL/DNAPL: _____
LNAPL/DNAPL Thickness (inches): _____

Well Volume Calculation:

1 in. casing: _____ ft. of water X .041 = _____
2 in. casing: 0.89 ft. of water X .16 = 0.14 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: 13:05

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: 85F, 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

Sampler(s): IEM

Date: 6/15/2011

Job # N1103

Sample ID: BR07-31

Well Information:

Depth of Well (Top of PVC): 19.78'
Initial Static Water Level (Top of PVC): 9.15'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 10.63 ft. of water X .16 = 1.70 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.	9.77	°C
pH:	7.29	
ORP:	63.0	mV
Turbidity:	100	NTU
DO:	0.04	ml/L
Spec. Conductivity:	2.983	uS/cm
Headspace PID:	0.3	ppm

Sampling:

Time: 17:10

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: 85F, 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: 6/15/2011

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): 5.70'
Depth to LNAPL/DNAPL:
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. casing: ft. of water X .041 =
2 in. casing: 6 ft. of water X .16 = 0.96 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.	11.33	°C
pH:	7.38	
ORP:	54.1	mV
Turbidity:	>1000	NTU
DO:	0.08	ml/L
Spec. Conductivity:	2.855	uS/cm
Headspace PID:	0.5	ppm

Sampling:

Time: 16:50

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: 85F, 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

Figures

Legend:

MW05-26

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

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

Sample ID	
	Date Sampled
Analyte	Concentration (ug/L)

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

PCE - Tetrachloroethene
TCE - Trichloroethene
cis-DCE - cis-1,2-Dichloroethene
1,1,1-TCA - 1,1,1-Trichloroethane
ND - Analyzed for but not detected above laboratory detection limits

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

OW1-3	Pre-ISCO	Mar-11
TCE	2,700	1,600
cis-DCE	190	76
1,1,1-TCA	ND	14

OB09-36	Pre-ISCO	Mar-11
TCE	140	21
cis-DCE	12	ND

OW2-2	Pre-ISCO	Mar-11
TCE	1,200	250
cis-DCE	140	180

MW05-02	Pre-ISCO	Mar-11
TCE	220	16
cis-DCE	1.5	ND

OW1-4	Pre-ISCO	Mar-11
TCE	320	270
cis-DCE	13	8.4

MW05-04	Pre-ISCO	Mar-11
TCE	98	44

BR09-39	Pre-ISCO	Mar-11
PCE	ND	6
TCE	290	410
cis-DCE	12	26

IW2-1	Pre-ISCO	Mar-11
TCE	3,900	700
cis-DCE	210	130

OB09-38	Pre-ISCO	Mar-11
TCE	49	160
cis-DCE	8	89

BR07-31	Pre-ISCO	Mar-11
PCE		28
TCE		5
cis-DCE		14

MW05-21	Pre-ISCO	Mar-11
PCE		13
TCE		2

OW1-2	Pre-ISCO	Mar-11
PCE	440	930
TCE	49,000	8,200
cis-DCE	4,800	1,800

MW05-11	Pre-ISCO	Mar-11
PCE	6.5	ND
TCE	330	32
cis-DCE	11	ND

OW1-1	Pre-ISCO	Mar-11
PCE	34	6.1
TCE	2,700	190
cis-DCE	470	17

MW05-10	Pre-ISCO	Mar-11
TCE	180	150
cis-DCE	35	28

BR09-37	Pre-ISCO	Mar-11
TCE	78,000	58,000
cis-DCE	ND	3,800

MW05-03	Pre-ISCO	Mar-11
PCE	ND	6.1
TCE	250	46
cis-DCE	10	ND

SCALE IN FEET
27.5 0 55 110

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: 5/2011 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?
I:\PROJECTS\Xrefs\N1100\N1103 - Pass & Seymour DWAM\1st Quarter 2011 - Phase 1\GW Results.dwg

Tables

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
BR09-37	3/29/2011	Top of PVC	417.85	17.83	24.28	400.02	1.03
	6/15/2011			19.36	24.28	398.49	0.79
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
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
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
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
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
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
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
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
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
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
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
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
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
OW1-2	3/29/2011	Top of PVC	421.25	-	-	-	-
	6/15/2011			-	-	-	-
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
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
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

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

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
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
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
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
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
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	-	-	-	-	-	-	-	-	-
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
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
MW05-05	3/30/2011	-	-	-	-	-	-	-	-	-
	6/15/2011	-	-	-	-	-	-	-	-	-
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
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
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
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
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
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
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
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
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
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

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

N1103

Table 3: (Page 1 of 5) Post-ISCO Groundwater Sample Analytical Results, Pass & Seymour

Analyte	GW Std* (ug/L)	Sample Identification																					
		BR07-31			BR09-37			BR09-39			IW2-1			IW2-3			MW05-02			MW05-03			MW05-04		
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11
VOCs by EPA Method 8260B																								
Acetone	50	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	-	U	U	U	UB	U	U
Acrolein	5	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	-	U	U	U	U	U	U
Acrylonitrile	5	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	-	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	-	U	U	U	U	U	U
Bromobenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	-	U	U	U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	-	U	U	U	U	U	U
Bromoform	50	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	-	U	U	U	U	U	U
Bromomethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	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	NS	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	NS	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	NS	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	NS	U	U	U	-	U	U	U	U	U	U
Chlorobenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	-	U	U	U	U	U	U
Chlorodibromomethane		U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	-	U	U	U	U	U	U
Chloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	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	NS	U	U	U	-	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	-	U	U	U	U	U	U
Chloromethane		U	U	U	U	U	U	U	U	U	U	U	U	U	NS	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	NS	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	NS	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	NS	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	NS	U	U	U	-	U	U	U	U	U	U
Dibromomethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	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	NS	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	NS	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	NS	U	U	U	-	U	U	U	U	U	U
Dichlorodifluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	-	U	U	U	U	U	U
1,1-Dichloroethane	5	U	U	U	U	U	36	U	U	U	U	U	U	U	NS	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	NS	U	U	U	-	U	U	U	U	U	U
1,1-Dichloroethene	5	U	U	U	U	U	70	U	U	U	U	U	U	U	NS	U	U	U	-	U	U	U	U	U	U
cis-1,2-Dichloroethene	5	14	23		3,800	3700		12	26	21	210	130	130	370	NS	160	1.5	U	-	10		1.3	U	U	U
trans-1,2-Dichloroethene	5	U	U	U	U	20	U	U	U	U	U	U	U	U	NS	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	NS	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	NS	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	NS	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	NS	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	NS	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	NS	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	NS	U	U	U	-	U	U	U	U	U	U
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	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	NS	U	U	U	-	U	U	U	U	U	U
Isopropylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	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	NS	U	U	U	-	U	U	U	U	U	U
2-Butanone (MEK)	50	U	U	U	U	U	U	U	U	U	39	JB	U	110	JB	NS	U	U	U	-	U	U	U	U	U
Methylene Chloride	5	U	U	U	U	U	U	2.7	JB	U	U	U	U	U	U	NS	U	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	NS	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	NS	U	U	U	-	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	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	NS	U	U	U	-	U	U	U	U	U
Styrene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	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	NS	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	NS	U	U	U	-	U	U	U	U	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	U	U	U	U	U	32	U	U	U	U	U	U	U	U	NS	U	U	U	-	U	6.1	5.8	U	U	U
Tetrachloroethene	5	28	31		U	U	16	U	6	U	U	U	U	U	U	NS	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	NS	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	NS	U	U	U	-	U	U	U	U	U	U
1,2,4-Trichlorobenzene	5	U	U	U	U	U	100	U	U	U	U	U	U	U	U	NS	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	NS	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	NS	U	U	U	-	U	U	U	U	U	U
Trichloroethene	5	5	7.8		78,000	58,000	46,000	290	410	280	3,900	700	660	6,000	NS	1,000	220	16	U	-	250	46	43	98	44	36
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	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	NS	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	NS	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	NS	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	NS	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	NS	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	NS	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

NS - Not sampled due to presence of purple potassium ISCO chemicals

(-) - 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)

Table 3 (Page 2 of 5) Post-ISCO Groundwater Sample Analytical Results, Pass & Seymour

Analyte	GW Std^ (ug/L)	Sample Identification: MW05-05			MW05-10			MW05-11			MW05-21			OB09-36			OB09-38			OW1-1			OW1-2		
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11
VOCs by EPA Method 8260B																									
Acetone	50	4.0 JB	-	-	6.3 JB		U	13 JB		U			U	U		U	U		U	U		U	U		U
Acrolein	5																								
Acrylonitrile	5																								
Benzene	1	U			U		U	U		U			U	U		U	U		U	U		U	U		U
Bromobenzene	5																								
Bromodichloromethane	50	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
Bromomethane	5																								
n-Butylbenzene	5																								
sec-Butylbenzene	5																								
tert-Butylbenzene	5																								
Carbon tetrachloride	5	U			U		U	U		U			U	U		U	U		U	U		U	U		U
Chlorobenzene	5																								
Chlorodibromomethane																									
Chloroethane	5	U			U		U	U		U			U	U		U	U		U	U		U	U		U
2-Chloroethyl-vinyl-ether																									
Chloroform	7	U			U		U	U		U			U	U		U	U		U	U		U	U		U
Chloromethane																									
2-Chlorotoluene	5																								
4-Chlorotoluene	5																								
1,2-Dibromo-3-chloropropane	0.04																								
1,2-Dibromoethane																									
Dibromomethane	5																								
1,2-Dichlorobenzene	3																								
1,3-Dichlorobenzene	3																								
1,4-Dichlorobenzene	3																								
Dichlorodifluoromethane	5																								
1,1-Dichloroethane	5	U			U		U	U		U			U	U		U	U		U	U		U	U		U
1,2-Dichloroethane	0.6																								
1,1-Dichloroethene	5	U			U		U	U		U	17		U	12		U	U		U	U		U	U		U
cis-1,2-Dichloroethene	5	17			35	26	30	11		U			U			U	8	89	110	470	17	140	4,800	1,900	3,500
trans-1,2-Dichloroethene	5				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
1,1-Dichloropropene	5																								
1,3-Dichloropropane	5																								
cis-1,3-Dichloropropene	0.4	U			U		U	U		U			U	U		U	U		U	U		U	U		U
trans-1,3-Dichloropropene	0.4																								
2,2-Dichloropropane	5																								
Di-isopropyl ether																									
Ethylbenzene	5	U			U		U	U		U			U	U		U	U		U	U		U	U		U
Hexachloro-1,3-butadiene	0.5																								
Isopropylbenzene	5																								
p-Isopropyltoluene	5																								
2-Butanone (MEK)	50	U			U		U	U		U			U	3.2 JB		U	U		U	170 J		U	1,300 JB		U
Methylene Chloride	5	U			1.4 JB		U	2.8 JB		U			U	U		U	U		U	U		U	U		U
4-Methyl-2-pentanone (MIBK)																									
Methyl tert-butyl ether	10																								
Naphthalene	10																								
n-Propylbenzene	5	U			U		U	U		U			U	U		U	U		U	U		U	U		U
Styrene	5																								
1,1,1,2-Tetrachloroethane	5	U			U		U	U		U			U	U		U	U		U	U		U	U		U
1,1,2,2-Tetrachloroethane	5																								
1,1,2-Trichloro-1,2,2-trifluoroethane	5							6.5 J		U	13	40								34	6.1	6.6	440 J	930	350
Tetrachloroethene	5	2.8			U		U	U		U			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
1,2,3-Trichlorobenzene	5																								
1,2,4-Trichlorobenzene	5																								
1,1,1-Trichloroethane	5	U			U		U	U		U			U	U		U	U		U	U		U	U		U
1,1,2-Trichloroethane	1										2	6.2		140	21	17	49	160	140	2,700	190	640	49,000	8,200	8,300
Trichloroethene	5	130			180	150	100	330	32				U			U			U			U			U
Trichlorofluoromethane	5																								
1,2,3-Trichloropropane	0.04																								
1,2,4-Trimethylbenzene	5																								
1,2,3-Trimethylbenzene	5																								
1,3,5-Trimethylbenzene	5																								
Vinyl chloride	2	U			U		U	U		U			U	U		U	U		U	U		U	U		U
Xylenes, Total	5																								

All values reported in 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 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 5) Post-ISCO Groundwater Sample Analytical Results, Pass & Seymour.

Analyte	GW Std* (ug/L)	Sample Identification: OW1-3			OW1-4			OWZ-2			Duplicate	
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Mar-11 (SB09-3/)	Jun-11 (OWZ-2)
VOCs by EPA Method 8260D												
Acetone	50	U	U	U	U	U	U	U	U	U	U	U
Acrolein	5		U	U		U	U		U	U	U	U
Acrylonitrile	5		U	U		U	U		U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U	U
Bromobenzene	5		U	U		U	U		U	U	U	U
Bromodichloromethane	50	U	U	U	U	U	U	U	U	U	U	U
Bromoform	50	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	5	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	5		U	U		U	U		U	U	U	U
sec-Butylbenzene	5		U	U		U	U		U	U	U	U
tert-Butylbenzene	5		U	U		U	U		U	U	U	U
Carbon tetrachloride	5	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	5	U	U	U	U	U	U	U	U	U	U	U
Chlorodibromomethane			U	U		U	U		U	U	U	U
Chloroethane	5	U	U	U	U	U	U	U	U	U	U	U
2-Chloroethyl-vinyl-ether			U	U		U	U		U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U	U	U	U
Chloromethane		U	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene	5		U	U		U	U		U	U	U	U
4-Chlorotoluene	5		U	U		U	U		U	U	U	U
1,2-Dibromo-3-chloropropane	0.04		U	U		U	U		U	U	U	U
1,2-Dibromoethane			U	U		U	U		U	U	U	U
Dibromomethane	5		U	U		U	U		U	U	U	U
1,2-Dichlorobenzene	3		U	U		U	U		U	U	U	U
1,3-Dichlorobenzene	3		U	U		U	U		U	U	U	U
1,4-Dichlorobenzene	3		U	U		U	U		U	U	U	U
Dichlorodifluoromethane	5		U	U		U	U		U	U	U	U
1,1-Dichloroethane	5	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	1.6
1,1-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	5	190 J	76	680	13 J	8.4	14	140	180	220	3,400	220
trans-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	2.0
1,2-Dichloropropane	1	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloropropene	5		U	U		U	U		U	U	U	U
1,3-Dichloropropane	5		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
trans-1,3-Dichloropropene	0.4	U	U	U	U	U	U	U	U	U	U	U
2,2-Dichloropropane	5		U	U		U	U		U	U	U	U
Di-isopropyl ether			U	U		U	U		U	U	U	U
Ethylbenzene	5	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
Isopropylbenzene	5		U	U		U	U		U	U	U	U
p-Isopropyltoluene	5		U	U		U	U		U	U	U	U
2-Butanone (MEK)	50	U	U	U	U	U	U	U	U	U	U	U
Methylene Chloride	5	190 J	U	U	12 J	U	U	20 JB	U	U	U	U
4-Methyl-2-pentanone (MIBK)		U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10		U	U		U	U		U	U	U	U
Naphthalene	10		U	U		U	U		U	U	U	U
n-Propylbenzene	5		U	U		U	U		U	U	U	U
Styrene	5	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
1,1,2,2-Tetrachloroethane	5	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
Tetrachloroethene	5	U	U	U	U	U	U	U	U	U	U	U
Toluene	5	U	U	U	U	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5		U	U		U	U		U	U	U	U
1,2,4-Trichlorobenzene	5		U	U		U	U		U	U	U	1.2
1,1,1-Trichloroethane	5	U	14	190	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	1	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	5	2,700	1,600	17,000	320	270	360	1,200	250	360	40,000	420
Trichlorofluoromethane	5		U	U		U	U		U	U	U	U
1,2,3-Trichloropropane	0.04		U	U		U	U		U	U	U	U
1,2,4-Trimethylbenzene	5		U	U		U	U		U	U	U	U
1,2,3-Trimethylbenzene	5		U	U		U	U		U	U	U	U
1,3,5-Trimethylbenzene	5		U	U		U	U		U	U	U	U
Vinyl chloride	2	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

All results 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 due to presence of purge contrivion (ISCO chemical)

(-) - No sample collected because well was dry

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

Pre-ISCO data complete

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 5) Post-ISCO Groundwater Sample Analytical Results, Pass & Seymour

Analyte	GW Std^ (ug/L)	Sample Identification: BR07-31			BR09-37			BR09-39			IW2-1			IW2-3			MW05-02			MW05-03			MW05-04		
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11
Nitrate by EPA Method 9056 Nitrate	10,000	NA	NA	NA	2,100	880	1,300	10,400	7,200	5,200	440	730	560	750	NS	770	U 730	-		1,900	11,000	9,800	2,700	2,200	2,800
COD by EPA Method 410.4 Chemical Oxygen Demand	NS	NA	NA	NA	9,400 J	19,000	24,000	4,300 J	U 14,000	-	5,800 J	43,000	39,000	7,100 J	NS	30,000	22,000	250,000	-	U 46,000	18,000		U	U	U
TOC by EPA Method 9060A Total Organic Carbon	NS	NA	NA	NA	U 2,200	2,000		U 1,400	1,100	-	U 2,300	2,800		U	NS	1,400	1,600	4,300	-	1,100	3,400	2,500	1,100	1,400	1,400
Metals by EPA Method 6010B Iron	300	NA	NA	NA	17,000	1,600	830	132	U	U	1,610	1,300	3,200	4,870	NS	400	27,800	16,000	-	9,150	8,800	3,100	290	310	230
Manganese	300	NA	NA	NA	500	4,100	1,800	2.2	10	U	322	250	300	473	NS	390	193	220	-	245	200	87	4.9	U	30

Analyte	GW Std^ (ug/L)	Sample Identification: MW05-05			MW05-10			MW05-11			MW05-21			OB09-36			OB09-38			OW1-1			OW1-2		
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11
Nitrate by EPA Method 9056 Nitrate	10,000	-	-	-	3,000	2,300	2,600	U 7,700	-		NA	NA	NA	1,300	1,200	1,200	94 J	U	U	1,900	2,600	2,500	7,400	1,300	520
COD by EPA Method 410.4 Chemical Oxygen Demand	NS	-	-	-	8,100 J	34,000	32,000	20,400	U	-	NA	NA	NA	35,900	91,000	60,000	3,900 J	79,000	50,000	5,600 J	36,000	36,000	23,000	58,000	220,000
TOC by EPA Method 9060A Total Organic Carbon	NS	-	-	-		1,800	U	6,400	4,800	-	NA	NA	NA	U	2,400	1,300	U	1,800	2,100	U	1,900	1,000	U	4,100	5,300
Metals by EPA Method 6010B Iron	300	-	-	-	3,630	420	790	9,330	2,500	-	NA	NA	NA	23,900	9,900	5,800	38,700	7,400	30,000	751	1,000	1,400	1,060	260	4,800
Manganese	300	-	-	-	89	26	35	8,720	1,900	-	NA	NA	NA	373	260	170	559	280	340	14.3 J	33	140	150	860	20,000

Analyte	GW Std^ (ug/L)	Sample Identification: OW1-3			OW1-4			OW2-2			Duplicate	
Date Sampled		Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Pre-ISCO	Mar-11	Jun-11	Mar-11 (BR09-37)	Jun-11 (OW2-2)
Nitrate by EPA Method 9056 Nitrate	10,000	780	1,900	2,300	3,000	1,600	1,600	210	170	U	880	U
COD by EPA Method 410.4 Chemical Oxygen Demand	NS	3,700 J	U	36,000	U	11,000	15,000	193,000	61,000	39,000	33,000	70,000
TOC by EPA Method 9060A Total Organic Carbon	NS	U	2,100	2,500	U	1,300	1,700	U	2,600	1,900	2,400	1,900
Metals by EPA Method 6010B Iron	300	227 J	U	600	209 J	U	1,500	239,000	17,000	14,000	1,500	12,000
Manganese	300	6.3 J	88	2,700	6.9 J	U	190	3,640	5,300	4,800	3,600	4,400

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

APPENDIX G
PASS & SEYMOUR SITE INSPECTION FORM

Inspections should be done twice each year at a minimum, near the beginning and end of the growing season (i.e. late spring and early autumn), plus weekly in specific areas undergoing construction, and following any construction-related work performed in particular site areas.

Inspection Data Twice yearly ☐ Construction ☐ Post-Construction ☐ Periodic ☒

Location: Pass & Seymour

Inspection Date: June 2, 2011

Inspected By: David Stoner

		Y or N	Problem Identified/Action Taken
1.	**Vegetation growth.** Is there vegetation growing through soil cover/engineering control areas that needs to be cut down?	N	
2.	**Condition of pavement**: Are there areas of pavement or crushed stone where sub-soil is exposed?	N	
3.	**Stockpiled Materials**: Are temporary soil stockpiles or construction materials protected from erosion?		NA
4.	**Conditions of concrete slab:** Is the concrete slab of the former manufacturing facility intact? Are there cracks or gaps through which underlying soil is exposed?	Y	
5.	**Condition of perimeter fence:** Is the perimeter fence still in place? Are there any gaps or holes? Are the gates locked?	Y	
6.	**Erosion Control**: Are erosion/storm water control devices in place?	Y	
7.	**Backfill**: Has backfill been applied to excavation areas in accordance with the site Excavation Plan?		NA
8.	**Dust Control**: Have dust control measures been implemented as needed during the conduct of construction work?		NA

If current inspection is construction or post-construction, describe the nature of the construction project:

If the current inspection is due to an incident or accident, describe the nature of the incident/accident and the corrective measures being taken.