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April 7, 2009

Gary Bonarski, P.E.
NYSDEC
6274 Avon-Lima Road
Avon, NY 14414

Re: Post-Remediation Groundwater Monitoring Results, First Quarter 2009
Former Griffin Technology Site
Final Engineering Report (FER)
BCP Site No.C835008

Dear Mr. Bonarski:

This letter submits results of first quarter 2009 post-remediation sampling conducted at the former Griffin Technology BCP site in Farmington, New York (Figure 1). On March 20, 2009 S&W Redevelopment of North America, LLC (SWRNA) collected groundwater samples from nine (9) observation wells in accordance with the NYSDEC approved Site Management Plan (SMP). This post-remediation sampling event was the second to be conducted since in-situ chemical oxidation (ISCO) was completed to remediate groundwater at the site. Post-remediation quarterly monitoring is being done per the SMP to establish the effectiveness of the ISCO remedy. The next post-remediation sampling event is scheduled for June 2009.

BACKGROUND

An aqueous solution containing approximately 13,530 pounds of potassium permanganate was injected into fifteen injection wells at the site between July and September 2008, to remediate groundwater contamination by In-Situ Chemical Oxidation (ISCO). The primary groundwater contaminant for this site is trichloroethene (TCE) and its degradation products [cis-1,2 dichloroethene (DCE) and vinyl chloride(VC)]. The Site Management Plan (SMP) requires that groundwater samples be collected each quarter from nine (9) observation wells (OW-1 through OW-9), to monitor ISCO effectiveness.

The first post-remediation sampling event occurred on September 30, 2008. Only one of the observation wells, OW-4 near the southwest site boundary, produced groundwater that wasn't purple or pink on September 30, 2008. In accordance with the SMP, this was the only well from which a groundwater sample was collected for analysis.

The September 2008 groundwater sample from OW-4 contained two VOCs, including TCE (75 ug/L) and 1,1,1-trichloroethane (TCA - 4.2 ug/L). The pre-ISCO baseline (June 2008) groundwater sample collected from OW-4 contained 67 ug/L TCE, but no detection of 1,1,1 TCA (see Table 3).

MARCH 2009 GROUNDWATER SAMPLE COLLECTION METHODS AND FIELD OBSERVATIONS

Per the SMP, the nine groundwater samples collected in March 2009 were analyzed for volatile organic compounds (VOCs), chemical oxygen demand (COD), total organic carbon (TOC), and field parameters (pH, Eh, temperature, conductivity, dissolved oxygen, and turbidity). Groundwater samples from six (6) of the observation wells near the site boundary (OW-4 through OW-9) were also analyzed for metals (arsenic, barium, cadmium, chromium, lead, selenium, silver), in accordance with the SMP, to verify that ISCO has not mobilized dissolved metals.

Prior to collecting groundwater samples from each ISCO observation well, depth to water was measured with an electronic tape. Each well was initially bailed of approximately 2 volumes to remove stagnant well water and to help lower turbidity. The groundwater bailed from each observation well was visually checked for color, as a means of determining if dissolved potassium permanganate was still present (evidenced by purple, pink, or brown color). In addition, the fifteen (15) former ISCO injection wells and four (4) pre-existing monitoring wells were monitored for color. Color observations for the March 2009 sampling event are indicated on Table 1, along with previous periodic color observations since ISCO injection was completed in September 2008. Figure 2 indicates the wells at which purple-, pink- or brown-colored groundwater was observed during the March 2009 sampling event. Of the 28 site wells checked for color, 13 wells showed evidence of residual permanganate. Although none of the observation wells had visible evidence of permanganate color, there is analytical evidence from field parameter data and from VOC concentrations (see below) that ISCO continues to be effective at oxidizing the contaminants of concern.

Following the initial groundwater evacuation from the observation wells, low flow methods were used to collect groundwater samples for analysis. QED SamplePro Micropurge Pumps with a QED Micropurge MP-15 Controller & Power Packs were connected to a YSI 6820 flow through cells to record the field parameters temperature, conductivity, dissolved oxygen, pH, oxidation reduction potential, and turbidity until parameter stabilization.

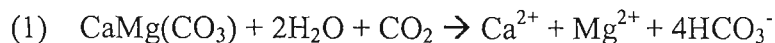
Once the field parameters stabilized, groundwater samples were collected for the aforementioned analyses. The samples were placed in coolers for preservation and delivered to Test America Laboratories of Shelton Connecticut for analysis.

GROUNDWATER SAMPLE COLLECTION AND RESULTS

A. Groundwater Flow. Based on recorded water levels, a groundwater contour map was prepared for March 2009 (Figure 3). The general direction of groundwater flow across the site is to the west/southwest, consistent with previous monitoring results.

B. Field Parameters. Field parameter measurements (pH, Eh, dissolved oxygen, conductivity, temperature, turbidity) are summarized on Table 2. Figure 4 shows Eh (redox potential) data plotted against pH data, for the pre-ISCO baseline event (June 2008) and the first quarter 2009 event (March 2009). Because Eh and pH exert such a strong influence on groundwater chemical equilibrium, their graphic relationship can determine the types of chemical reactions that are likely to occur.

Figure 4 indicates a decline in Eh and a rise in pH from June 2008 (pre-ISCO) to March 2009 (post-ISCO). The rise in pH is probably caused by reactions between dissolved manganese and naturally-occurring bicarbonate (HCO_3^-) in the dolostone bedrock. Dolostone [$\text{CaMg}(\text{CO}_3)_2$] dissolves by the following reaction:



This reaction removes carbon dioxide (CO_2) from solution, which tends to raise pH, and produces bicarbonate. When manganese is added to the groundwater (in the form of permanganate), dissolved manganese may react with bicarbonate, forming manganese carbonate, which is insoluble. As bicarbonate is removed from the groundwater by reaction with manganese, the groundwater is no longer in equilibrium with dolomite, and reaction (1) above depletes more carbon dioxide from solution to bring the groundwater back into chemical equilibrium. As more carbon dioxide is consumed, the pH increases.

The trend of the Eh/pH data on Figure 4 suggests that manganese solubility has shifted from pre-ISCO chemical equilibrium with manganese dioxide (MnO_2) to post-ISCO chemical equilibrium with manganese carbonate (MnCO_3). The reaction of permanganate with native minerals such as natural bicarbonate was anticipated, based on permanganate soil oxidant demand (PSOD) analysis that was performed as part of the design process, prior to ISCO implementation. The Eh/pH data indicates chemical reactions are occurring in groundwater from the observation wells, as expected (see Figure 4), even though permanganate color was not apparent in the samples. This suggests that the effects of ISCO may occur before permanganate color is apparent, and may persist after permanganate color is no longer apparent.

C. VOCs. March 2009 groundwater analytical results for VOCs are summarized on Table 3, and compared to pre-ISCO baseline data (June 2008) and Class GA water quality standards and guidance values, as per the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS, June 1998). TCE concentrations for June 2008 and March 2009 are shown on Figure 2, along with March 2009 color observations for each of the observation wells and former ISCO injection wells. The March 2009 laboratory report is included in Appendix A.

The March 2009 data indicates an overall decline in TCE concentrations at the site compared to pre-ISCO levels. The following table compared baseline pre-ISCO TCE concentrations for June 2008 with March 2009 TCE data.

Observation Well	Pre-ISCO (June 2008) TCE (ug/L)	Post-ISCO (March 2009) TCE (ug/L)	Percent decrease
OW-1	510	48	90.6
OW-2	11	15	-36.4 (increase)
OW-3	210	80	61.9
OW-4	67	53	20.9
OW-5	120	25	79.2
OW-6	120	57	52.5
OW-7	180	24	86.7
OW-8	57	47	17.5
OW-9	23	41	-78.3 (increase)
Average Concentration	144	43	70

Groundwater samples from seven (7) of the 9 observation wells showed a significant decline in TCE concentrations from June 2008 to March 2009. The site-wide average decline was 70 percent. The two observation wells that did not show evidence of a decline (OW-2 and OW-9) had the two lowest TCE concentrations in the pre-ISCO sampling event (11 ug/L and 23 ug/L, respectively), which means that these two wells represent a relatively small proportion of the total TCE mass in target treatment zone. In contrast, observation wells with the highest pre-ISCO concentrations of TCE have experienced the most significant decline. Overall, the March 2009 data suggest a substantial decline in TCE mass has occurred.

Cis-1,2 dichloroethene (DCE), a TCE degradation product, was detected above groundwater standards in March 2009 groundwater samples from four (4) of the nine observation wells (OW-3, -4, -6, and -8), but generally at lower concentrations than TCE. The highest detected DCE concentration was 36 ug/L (OW-3), but the other three detections ranged from 5.7 ug/L to 6 ug/L, which is slightly above the standard (5 ug/L). DCE was also detected above standards in two pre-ISCO groundwater samples, and the March 2009 data indicate its concentrations have not yet begun to decline. However, as was noted above for TCE, the relatively low DCE concentrations (relative to TCE) represent a relatively small proportion of the contaminant mass. The analytical data for TCE, which represents the majority of the contaminant mass, indicates that contamination is being degraded by ISCO.

D. TOC, COD, and Metals. Table 4 presents analytical data for total organic carbon (TOC), chemical oxygen demand (COD), and metals (arsenic, barium, cadmium, chromium, lead, selenium, silver).

TOC and COD concentrations were slightly higher in March 2009 than in June 2008 (pre-ISCO), which is contrary to the expected decrease in these two parameters as reduced forms of organic carbon are oxidized by permanganate. As noted above, March 2009 data for

Eh/pH and VOCs indicates permanganate is reacting as expected. COD and TOC will be evaluated further as future rounds of quarterly data are collected.

Metals analytical data for March 2009 do not show any discernable increase in dissolved metals concentrations in the groundwater samples that were collected (OW-4 though OW-9). Metals concentrations in March 2009 are slightly less than pre-ISCO concentrations.

CONCLUSIONS AND RECOMMENDATIONS

Groundwater analytical data for March 2009 indicate that TCE levels have declined in 7 of the 9 ISCO observation wells, including observation wells with the highest historic TCE concentrations. The analytical data indicate TCE concentrations have declined approximately 70 percent (site-wide average).

Groundwater in the former ISCO injection wells is still visibly pink, purple, and/or brown, which indicates reactive permanganate solution still exists in the injection zone. In addition to visible evidence of permanganate reactivity, Eh/pH data indicate permanganate solution has affected the groundwater geochemistry across the site, causing a subtle decline in Eh and a slight rise in pH. This may be related to formation of manganese carbonate as manganese reacts with natural carbonate minerals in the target treatment zone. These types of reactions were anticipated based on PSOD soil analysis, and taken into account in the ISCO design.

Analytical data does not indicate metals have dissolved or mobilized as a result of the ISCO injection. Metals concentrations in March 2009 are slightly less than pre-ISCO concentrations.

Visible and chemical evidence of permanganate reactivity, and the decline in TCE levels, indicate that the ISCO remedial approach is effective and is anticipated to continue to oxidize the chemicals of concern in the treatment zone. These trends will continue to be monitored in subsequent quarters per the SMP.

If you have any questions please call me or Damian Vanetti at (315) 422-4949.

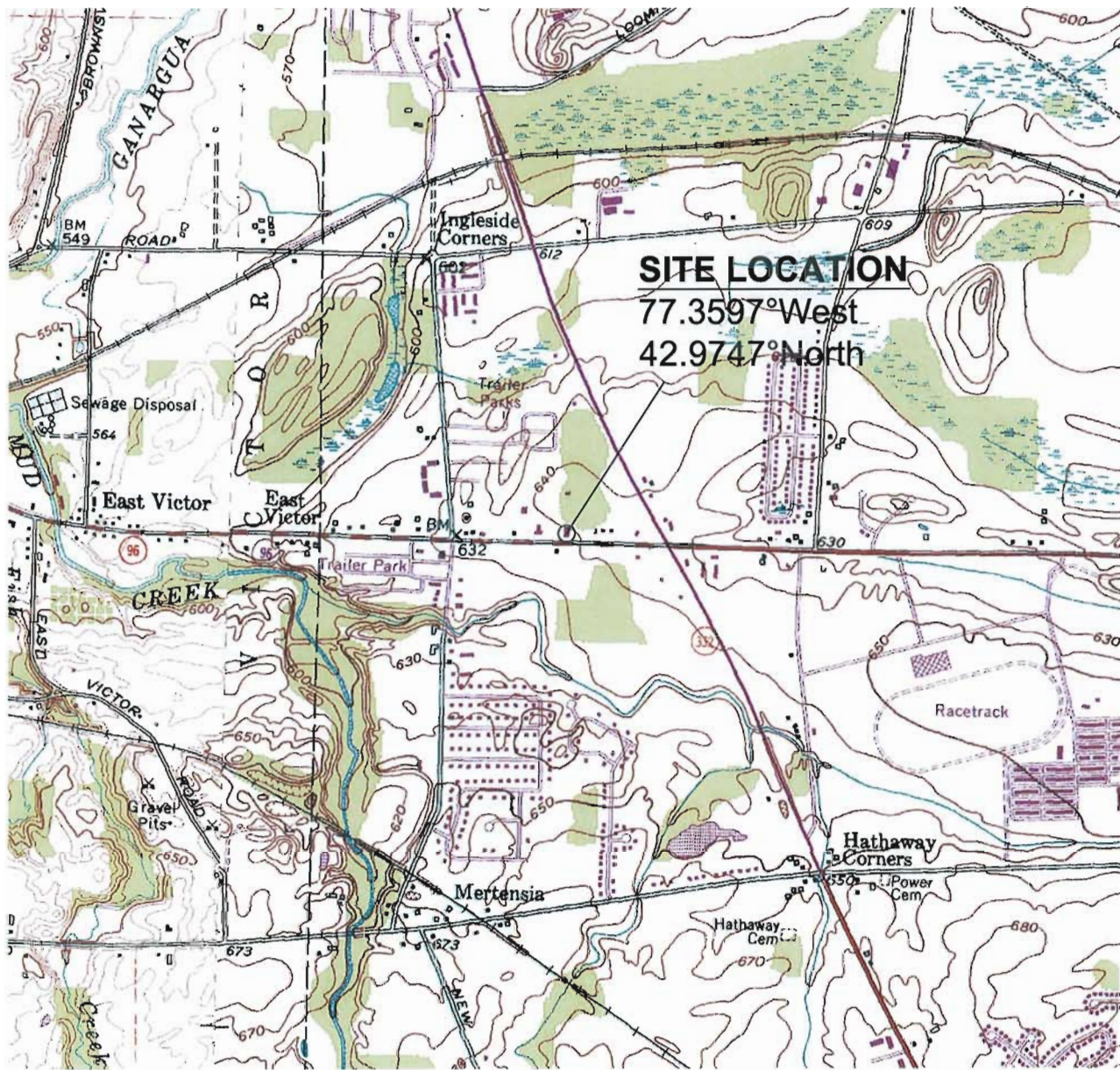
Very truly yours,
S&W Redevelopment of North America, LLC



Daniel P. Ours, C.P.G.
Senior Project Manager

cc: J. Kenney, NYSDOH
T. Caffoe, NYSDEC
B. Putzig, NYSDEC

Figures



SCALE in FEET



Contour Interval: 10 Feet

Map Taken From: USGS 7.5 Minute Series
 Topographic Quadrangles - Victor, NY (1971,
 Photorevised 1978) & Canandaigua, NY
 (1951, Photorevised 1978)
 (www.nysgis.state.ny.us/quads/usgsdrg.htm)



S&W Redevelopment

of North America, LLC.

Syracuse, New York

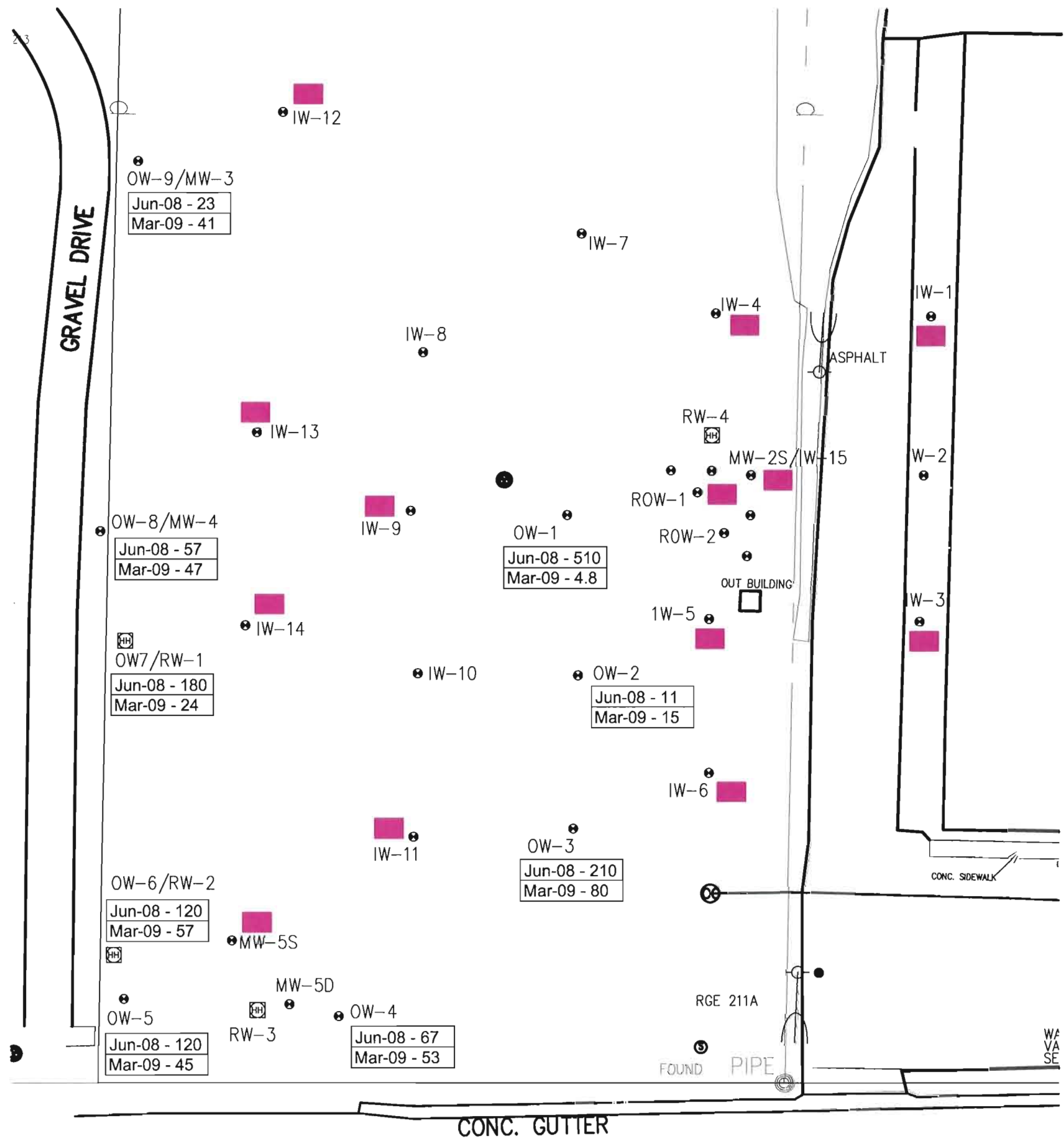
DATE: 4-2009

JOB No.: B6003.70

ISCO Performance Monitoring
 Former Griffin Technology Site, BCP #C835008
 6132 Victor Manchester Rd, Farmington(T), Ontario(C), New York

Figure 1
 Site Location

X-REF: NAMES?
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Wells where some presence of permanganate still persists (March 2009)(water pink, purple, or manganese brown see Table 1 for description).

Text Box:	Background	Jun-08 - TCE concentration ug/L
	Current	Mar-09 - TCE concentration ug/L



Figure based on Survey by Labella Associates, P.C. June 2008.

S&W Redevelopment
of North America, LLC.

Syracuse, New York

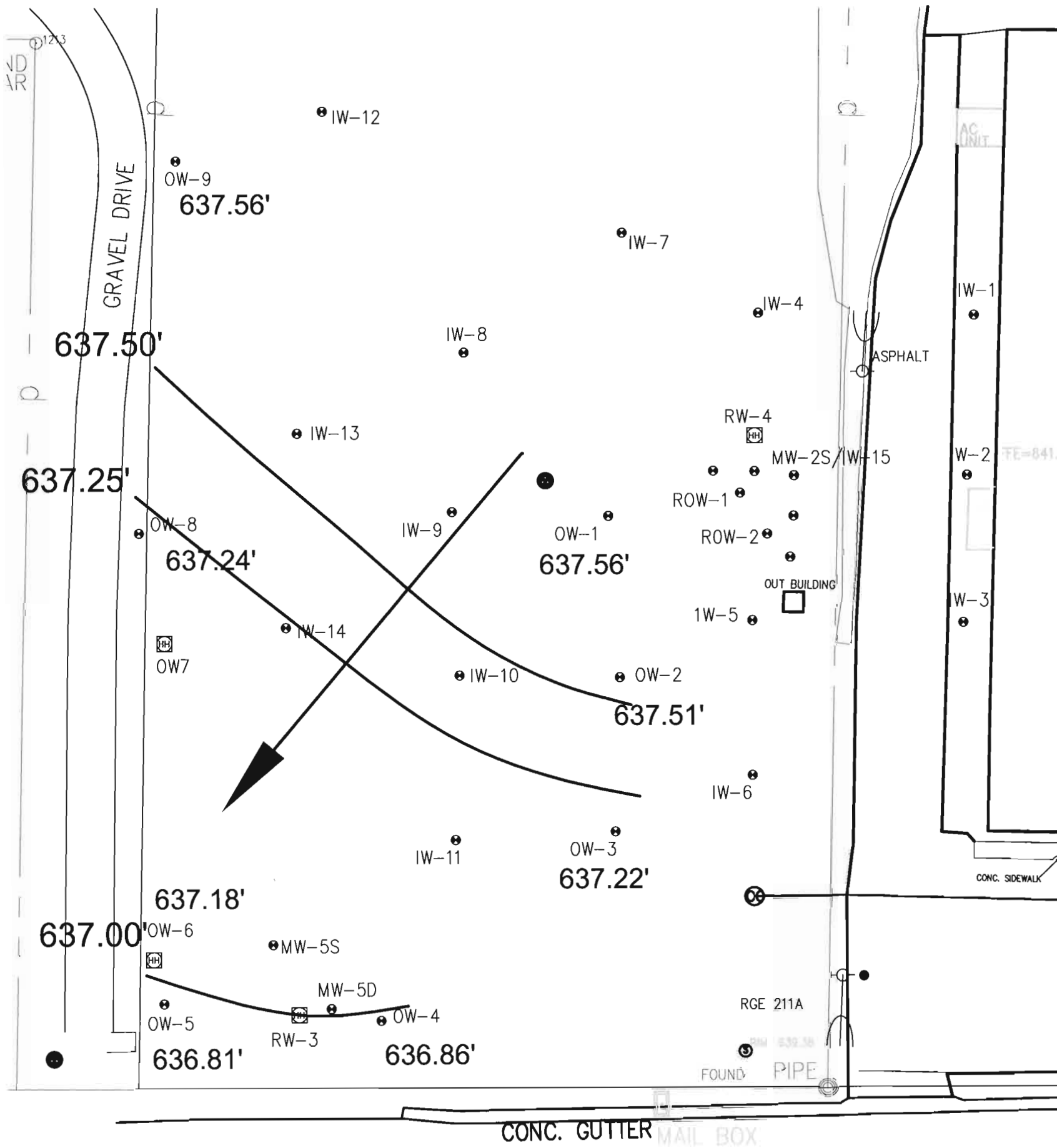
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ISCO Performance Monitoring
 Former Griffin Technology Site
 BCP Site # C835008
 Farmington (T), Ontario (C), New York

Figure 2
 TCE Results & Color Observations



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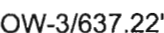
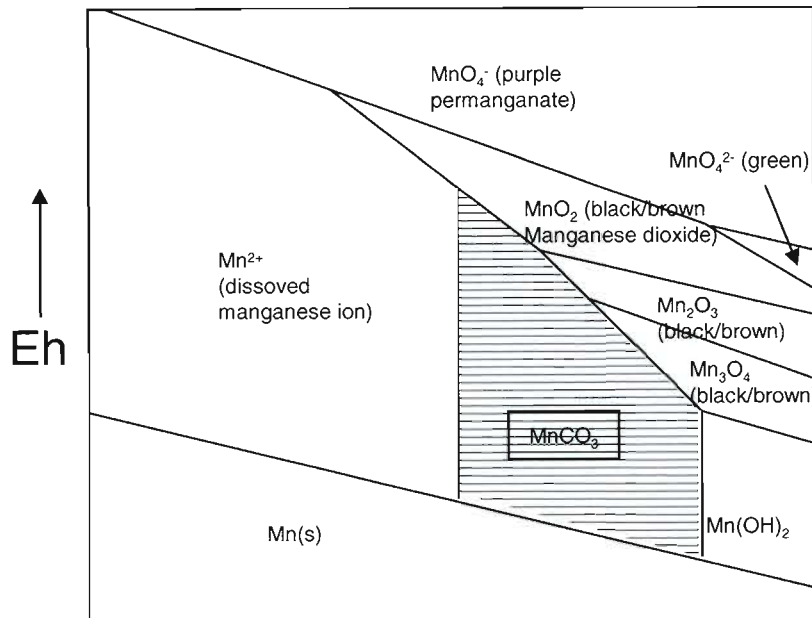
 Groundwater elevation contours and flow direction.
 Well I.D./Groundwater Elevation



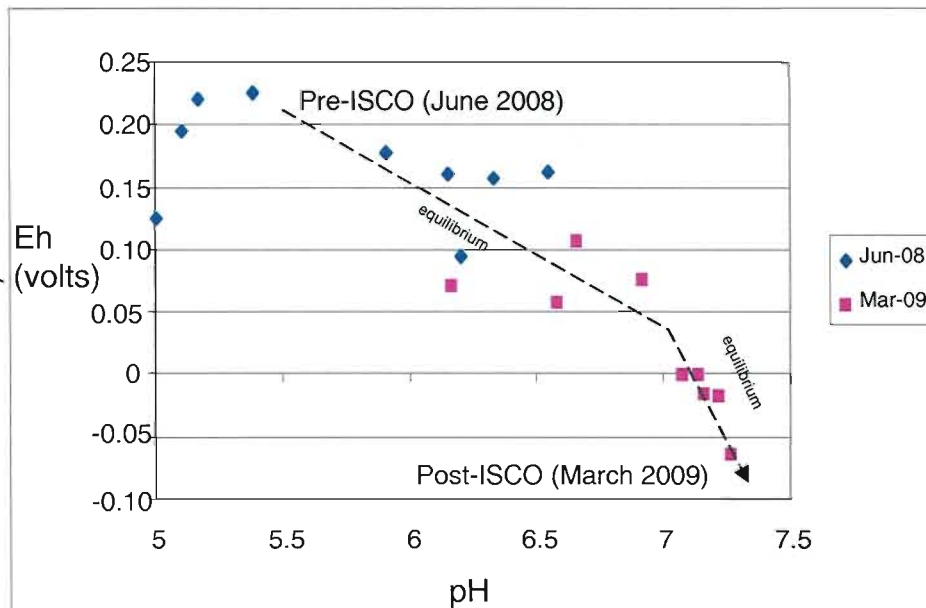
Figure based on Survey by Labella Associates, P.C. June 2008.

S&W Redevelopment of North America, LLC. Syracuse, New York DATE:4-2009 JOB No: B6003.60	ISCO Performance Monitoring Former Griffin Technology Site BCP Site # C835008 Farmington (T), Ontario (C), New York
	Figure 3 Groundwater Flow



pH →

Different forms of dissolved manganese are shown relative to the generalized Eh/pH conditions in which they are thermodynamically stable. The solubility of manganese may be strongly influenced by the presence of naturally occurring bicarbonate from dolostone bedrock. Manganese carbonate ($MnCO_3$) forms as dissolved manganese reacts with bicarbonate, and is thermodynamically stable in shaded field. Note that this field may have a lower Eh and/or a higher pH than dissolved manganese (Mn^{2+}), permanganate (MnO_4^-) and manganese dioxide (MnO_2).



Groundwater analytical data from site observation wells, for pre-ISCO (June 2008) and post-ISCO (March 2009) show that pH has increased and Eh has decreased. The dashed line on the figure represents chemical equilibrium between different forms of manganese, which correspond to the boundary lines between the fields shown on the figure to the left. The pattern in the data above suggests that prior to ISCO injection (Jun-08) manganese solubility (Mn^{2+}) was controlled primarily by the formation of manganese dioxide (MnO_2). After ISCO injection, the Eh/pH data suggests a shift in chemical equilibrium, likely caused by the formation of manganese carbonate ($MnCO_3$) as manganese levels rise and reactions with natural bicarbonate increase. Along with the decline in contaminant levels, this provides evidence that permanganate is reacting with site groundwater. The ISCO dosage accounted for natural oxidant demand caused by reaction of permanganate with native minerals.

S&W Redevelopment
of North America, LLC

Syracuse, New York

DATE: 4-09

JOB No. B6003

ISCO Performance Monitoring
Former Griffin Technology Site, BCP Site
#C835008
6132 Victor Manchester Rd., Farmington(T),
Ontario(C), New York

Figure 4
Eh/pH and Manganese Solubility

Tables

Table 1. Post-ISCO groundwater color observations in site wells
Former Griffin Technology Site, Farmington, New York

Well ID	9/30/08	10/16/08	2/5/09	2/23/09	3/23/2009
OW-1	purple	brown	clear	clear	clear
OW-2	purple	red/brown	clear	clear	clear
OW-3	deep purple	purple	clear	clear	clear
OW-4	light brown (turb)	clear	clear	clear	clear
OW-5	pink after 5 Gal	pink	clear	clear	clear
OW-6 (RW-2)	deep purple	purple	not accessible*	clear	clear
OW-7 (RW-1)	pink after 5 Gal	clear	not accessible*	clear	clear
OW-8 (MW-4)	deep purple	clear	clear	clear	clear
OW-9 (MW-3)	pink after 2 Gal	clear	clear	clear	clear
IW-1	deep purple	purple	-	-	pink
IW-2	deep purple	purple	-	-	clear
IW-3	brown	purple	-	-	faint pink
IW-4	deep purple	purple	-	-	purple
IW-5	deep purple	purple	-	-	light purple
IW-6	deep purple	purple	-	-	faint pink
IW-7	deep purple	purple	-	-	clear
IW-8	deep purple	purple	-	-	clear
IW-9	brown/purple	brown	-	-	pink
IW-10	brown (turb)	pink	-	-	clear
IW-11	purple	purple	-	-	faint pink
IW-12	deep purple	purple	-	-	pink
IW-13	deep purple	purple	-	-	deep purple
IW-14	deep purple	purple	-	-	light purple
IW-15 (MW-2S)	deep purple	purple	-	-	light brown
MW-5S	deep purple	purple	-	-	pink/brown
MW-5D	light brown (turb)	purple	-	-	-
RW-3	light pink	clear	-	-	-
ROW-1	deep purple	-	-	-	pink/brown
ROW-2	deep purple	-	-	-	clear
RW-4	-	purple	-	-	clear

(-) Well not checked for color

(*) Flush mount well not accessible due to snow and ice cover

Table 2. Field Parameter Results for Groundwater.
Former Griffin Technology Site, Farmington, New York

Sample Date	OW-1		OW-2		OW-3		OW-4		OW-5		OW-6		OW-7		OW-8		OW-9	
	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09
Temperature (deg C)	11.91	6.75	11.18	7.07	11.65	9.28	11.19	8.76	10.96	7.8	11.76	9.38	9.7	7.17	10.24	7.83	9.94	8.02
Conductivity (mmhos/cm)	0.581	0.647	0.465	0.931	0.591	1.451	0.498	1.011	0.63	1.11	0.565	1.056	0.59	0.87	0.584	1.333	0.397	0.7
Dissolved Oxygen (ppm)	2.62	1.08	2.08	1.2	3.3	0.13	3.68	2.21	5.21	3.58	2.47	0.35	0.63	4.21	2.45	0.25	3.36	1.08
pH (units)	5.39	7.14	5.01	6.92	5.11	7.27	5.17	6.66	6.2	6.58	5.91	7.08	6.33	6.17	6.15	7.16	6.55	7.22
Eh (mV)	225.4	-0.5	125.9	76.2	196.1	-65.1	220.8	106.3	95.1	57.4	178	-1.4	157.5	70.7	160.4	-16.6	163.6	-18
Turbidity (ntu)	5.2	6.2	7.2	7.9	56.2	20.8	19.1	83.7	45.3	26	103.5	9.7	720.5	123.2	8.2	-1.6	0.7	-1

Measurements taken after purging the wells prior to collecting groundwater samples.

June 2008 data represent pre-ISCO conditions (baseline sampling event).

March 2009 data represent post-ISCO conditions (1st quarter 2009).

Table 3. Volatile Organic Compound (VOC) Analytical Results
Former Griffin Technology Site, Farmington, New York

Compound - µg/L (ppb)	NYS Standard	OW-1		OW-2		OW-3		OW-4			OW-5		OW-6		OW-7		OW-8		OW-9	
		Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Sep-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09
Acetone	50(G)	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	0.37 J	U	U	U	U	0.52 J	U	U	U	U
Bromodichloromethane	50(G)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	50(G)	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
2-Butanone (MEK)	50(G)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	60	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
Chloroethane	5	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	U
Dibromochloromethane	50(G)	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
1,2-Dichloropropane	1	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
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Hexanone	50(G)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene Chloride	5	5.2 JB	U	U	U	2 JB	U	U	U	U	U	U	U	U	2.7 JB	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	U	U	U	U
Styrene	50	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
Tetrachloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	5	U	U	U	U	U	U	U	U	U	0.31 J	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	5	U	U	U	1.1 J	U	U	U	4.2	3 J	U	1.7 J	U	2.7 J	U	0.94 J	U	1.4 J	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	510	4.8 J	11	15	210	80	67	75	53	120	45	120	57	180	24	57	47	23	41
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
cis-1,2-Dichloroethene	5	6.3 J	U	1.1 J	3.3 J	U	36	U	U	5.7	U	3.7 J	U	5.8	5.7 J	2.6 J	1.1 J	6	U	U
trans-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		521.5	4.8	12.1	19.4	212	123.1	67	79.2	61.7	120.68	50.4	120	65.5	188.92	27.54	58.1	54.4	23	41

Groundwater Standards from Technical and Operational Guidance Series (TOGS) Class GA ambient water quality standards - New York State Department of Environmental Conservation

(G) Signifies a NYSDEC guidance value where a standard has not been established.

U - Not Detected

J - Estimated value, Result greater than MDL but below CRDL

Bold and boxed results indicate detection above NYS standards

June 2008 data represent pre-ISCO conditions (baseline sampling event).

March 2009 data represent post-ISCO conditions (1st quarter 2009).

Table 4. Metals Analytical Results
 Former Griffin Technology Site, Farmington, New York

Metal - µg/L (ppb)	NYS Standard	OW-1		OW-2		OW-3		OW-4		OW-5		OW-6		OW-7		OW-8		OW-9		Duplicate		
		Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	Jun-08	Mar-09	
arsenic	25	U	n/a	U	n/a	U	n/a	U	4.1 J	7.2 J	U	U	U	U	U	U	U	5.8 J	U	U	U	U
cadmium	5	U	n/a	U	n/a	U	n/a	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
chromium	50	U	n/a	U	n/a	5.4 J	n/a	4.9 J	2 J	26	0.79 J	1.9 J	1.6 J	23	3 J	U	U	U	U	U	U	U
lead	25	U	n/a	U	n/a	3.8 J	n/a	4.7 J	2.7 J	31	2.9 J	U	U	25	3.2 J	U	U	U	U	U	U	U
selenium	10	U	n/a	U	n/a	U	n/a	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	U	n/a	U	n/a	U	n/a	U	U	U	U	0.33 J	U	U	U	U	U	U	U	U	U	U
barium	1000	230	n/a	120	n/a	200	n/a	200	520	500	320	170	210	440	220	320	170	320	390	120	390	
Total organic carbon	ns	1.4	1.8	1.9	3.6	0.77 J	8	0.85 J	3.1	0.85 J	3.5	0.77 J	5.1	1.7	3.2	1.7	9	1.1	1.8	1.7	1.7	
Chemical oxygen demand	ns	3.6 J	6.5 J	2.6 J	11.1	2 J	25.3	U	13	7.2 J	13.8	2.6 J	21.8	13.1	15.7	U	24.5	3.3 J	14.2	3.9 J	4.6 J	

ns - no standard
 Groundwater Standards from Technical and Operational Guidance Series (TOGS) Class GA ambient water quality standards - New York State Department of Environmental Conservation
 U - Not Detected
 J - Estimated value. Result greater than MDL but below CRDL
Bold and boxed results indicate detection above NYS standards
 Metals analysis done for observation wells OW-4 through -9, per Site Management Plan.
 n/a - not analyzed

Appendix A
Laboratory Analytical Report

ANALYTICAL REPORT

Job Number: 220-8476-1

SDG Number: 220-8476

Job Description: Griffin Diebold

For:

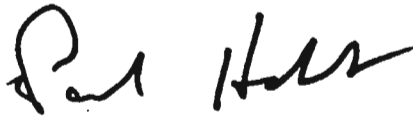
S & W Redevelopment LLC

430 East Genesee Street

Suite 401

Syracuse, NY 13202

Attention: Mr. Dan Ours



Approved for release.
Paul Hobart
Project Manager I
4/2/2009 5:20 PM

Paul Hobart

Project Manager I

paul.hobart@testamericainc.com

04/02/2009

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

TestAmerica Laboratories, Inc.

TestAmerica Connecticut 128 Long Hill Cross Road, Shelton, CT 06484

Tel (203) 929-8140 Fax (203) 929-8142 www.testamericainc.com



Job Narrative
220-J8476-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

METHOD SUMMARY

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

Sdg Number: 220-8476

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
Metals (ICP)	TAL CT	SW846 6010B	
Preparation, Total Metals	TAL CT		SW846 3010A
COD	TAL CT	MCAWW 410.4	
TOC	TAL CT	SM SM 5310C	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

Sdg Number: 220-8476

Method	Analyst	Analyst ID
SW846 8260B	Kostrzewska, Barbara	BK
SW846 6010B	Petronchak, Nestor	NP
MCAWW 410.4	Mendoza, Julia	JM
SM SM 5310C	Madumadu, Dave	DM

SAMPLE SUMMARY

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

Sdg Number: 220-8476

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8476-1	OW-5	Water	03/20/2009 1055	03/21/2009 1003
220-8476-2	OW-6	Water	03/20/2009 1110	03/21/2009 1003
220-8476-3	OW-4	Water	03/20/2009 1305	03/21/2009 1003
220-8476-4	OW-9	Water	03/20/2009 1330	03/21/2009 1003
220-8476-5	OW-7	Water	03/20/2009 1605	03/21/2009 1003
220-8476-5MS	OW-7	Water	03/20/2009 1605	03/21/2009 1003
220-8476-5MSD	OW-7	Water	03/20/2009 1605	03/21/2009 1003
220-8476-6	OW-8	Water	03/20/2009 1520	03/21/2009 1003
220-8476-7	OW-1	Water	03/20/2009 1652	03/21/2009 1003
220-8476-8	OW-2	Water	03/20/2009 1720	03/21/2009 1003
220-8476-9	OW-3	Water	03/20/2009 1809	03/21/2009 1003
220-8476-10	DUPLICATE	Water	03/20/2009 0000	03/21/2009 1003
220-8476-11TB	TRIP BLANK	Water	03/20/2009 0000	03/21/2009 1003

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

Sdg Number: 220-8476

Client Sample ID: OW-5

Lab Sample ID: 220-8476-1

Date Sampled: 03/20/2009 1055

Client Matrix: Water

Date Received: 03/21/2009 1003

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-25682	Instrument ID: HP 6890/5973 GC/MS
Preparation:	5030B		Lab File ID: V2915.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	03/29/2009 1639		Final Weight/Volume: 5 mL
Date Prepared:	03/29/2009 1639		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U *	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	1.7	J	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	45	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	3.7	J	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	65 - 136
4-Bromofluorobenzene	95	51 - 142
Dibromofluoromethane	104	68 - 132
Toluene-d8 (Surr)	103	63 - 127

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

Sdg Number: 220-8476

Client Sample ID: OW-6

Lab Sample ID: 220-8476-2

Date Sampled: 03/20/2009 1110

Client Matrix: Water

Date Received: 03/21/2009 1003

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-25682	Instrument ID: HP 6890/5973 GC/MS
Preparation:	5030B		Lab File ID: V2916.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	03/29/2009 1706		Final Weight/Volume: 5 mL
Date Prepared:	03/29/2009 1706		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U *	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	2.7	J	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	57		0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.8		0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	65 - 136
4-Bromofluorobenzene	94	51 - 142
Dibromofluoromethane	103	68 - 132
Toluene-d8 (Surr)	103	63 - 127

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

Sdg Number: 220-8476

Client Sample ID: OW-4

Lab Sample ID: 220-8476-3

Date Sampled: 03/20/2009 1305

Client Matrix: Water

Date Received: 03/21/2009 1003

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-25682	Instrument ID: HP 6890/5973 GC/MS
Preparation:	5030B		Lab File ID: V2917.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	03/29/2009 1732		Final Weight/Volume: 5 mL
Date Prepared:	03/29/2009 1732		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U *	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	3.0	J	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	53		0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.7		0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0
Surrogate	%Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	108		65 - 136	
4-Bromofluorobenzene	92		51 - 142	
Dibromofluoromethane	105		68 - 132	
Toluene-d8 (Surr)	103		63 - 127	

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

Sdg Number: 220-8476

Client Sample ID: OW-9

Lab Sample ID: 220-8476-4

Date Sampled: 03/20/2009 1330

Client Matrix: Water

Date Received: 03/21/2009 1003

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-25682	Instrument ID: HP 6890/5973 GC/MS
Preparation:	5030B		Lab File ID: V2918.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	03/29/2009 1759		Final Weight/Volume: 5 mL
Date Prepared:	03/29/2009 1759		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U *	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	41		0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	65 - 136
4-Bromofluorobenzene	91	51 - 142
Dibromofluoromethane	105	68 - 132
Toluene-d8 (Surr)	102	63 - 127

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

Sdg Number: 220-8476

Client Sample ID: OW-7

Lab Sample ID: 220-8476-5

Date Sampled: 03/20/2009 1605

Client Matrix: Water

Date Received: 03/21/2009 1003

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-25682	Instrument ID: HP 6890/5973 GC/MS
Preparation:	5030B		Lab File ID: V2925.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	03/29/2009 2104		Final Weight/Volume: 5 mL
Date Prepared:	03/29/2009 2104		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U *	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	0.94	J	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	24		0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	2.6	J	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	65 - 136
4-Bromofluorobenzene	95	51 - 142
Dibromofluoromethane	101	68 - 132
Toluene-d8 (Surr)	103	63 - 127

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

Sdg Number: 220-8476

Client Sample ID: OW-8

Lab Sample ID: 220-8476-6

Date Sampled: 03/20/2009 1520

Client Matrix: Water

Date Received: 03/21/2009 1003

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 220-25682

Instrument ID: HP 6890/5973 GC/MS

Preparation: 5030B

Lab File ID: V2926.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 03/29/2009 2131

Final Weight/Volume: 5 mL

Date Prepared: 03/29/2009 2131

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U *	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	1.4	J	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	47		0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	6.0		0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0
Surrogate	%Rec	Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	104	65 - 136		
4-Bromofluorobenzene	95	51 - 142		
Dibromofluoromethane	101	68 - 132		
Toluene-d8 (Surr)	103	63 - 127		

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

Sdg Number: 220-8476

Client Sample ID: OW-1

Lab Sample ID: 220-8476-7

Date Sampled: 03/20/2009 1652

Client Matrix: Water

Date Received: 03/21/2009 1003

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 220-25682

Instrument ID: HP 6890/5973 GC/MS

Preparation: 5030B

Lab File ID: V2927.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 03/29/2009 2157

Final Weight/Volume: 5 mL

Date Prepared: 03/29/2009 2157

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U *	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	4.8	J	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0
Surrogate	%Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	106		65 - 136	
4-Bromofluorobenzene	96		51 - 142	
Dibromofluoromethane	103		68 - 132	
Toluene-d8 (Surr)	104		63 - 127	

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

Sdg Number: 220-8476

Client Sample ID: OW-2

Lab Sample ID: 220-8476-8

Date Sampled: 03/20/2009 1720

Client Matrix: Water

Date Received: 03/21/2009 1003

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 220-25682

Instrument ID: HP 6890/5973 GC/MS

Preparation: 5030B

Lab File ID: V2928.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 03/29/2009 2224

Final Weight/Volume: 5 mL

Date Prepared: 03/29/2009 2224

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U*	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	1.1	J	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	15		0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	3.3	J	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	65 - 136
4-Bromofluorobenzene	92	51 - 142
Dibromofluoromethane	103	68 - 132
Toluene-d8 (Surr)	102	63 - 127

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

Sdg Number: 220-8476

Client Sample ID: OW-3

Lab Sample ID: 220-8476-9

Date Sampled: 03/20/2009 1809

Client Matrix: Water

Date Received: 03/21/2009 1003

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-25682	Instrument ID: HP 6890/5973 GC/MS
Preparation:	5030B		Lab File ID: V2929.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	03/29/2009 2250		Final Weight/Volume: 5 mL
Date Prepared:	03/29/2009 2250		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U *	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	7.1		0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	80		0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	36		0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0
Surrogate	%Rec	Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	108	65 - 136		
4-Bromofluorobenzene	96	51 - 142		
Dibromofluoromethane	105	68 - 132		
Toluene-d8 (Surr)	104	63 - 127		

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

Sdg Number: 220-8476

Client Sample ID: DUPLICATE

Lab Sample ID: 220-8476-10

Date Sampled: 03/20/2009 0000

Client Matrix: Water

Date Received: 03/21/2009 1003

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-25682	Instrument ID: HP 6890/5973 GC/MS
Preparation:	5030B		Lab File ID: V2930.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	03/29/2009 2317		Final Weight/Volume: 5 mL
Date Prepared:	03/29/2009 2317		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U *	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	40		0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111	65 - 136
4-Bromofluorobenzene	95	51 - 142
Dibromofluoromethane	105	68 - 132
Toluene-d8 (Surr)	104	63 - 127

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

Sdg Number: 220-8476

Client Sample ID: TRIP BLANK

Lab Sample ID: 220-8476-11TB

Date Sampled: 03/20/2009 0000

Client Matrix: Water

Date Received: 03/21/2009 1003

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-25682	Instrument ID: HP 6890/5973 GC/MS
Preparation:	5030B		Lab File ID: V2931.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	03/29/2009 2343		Final Weight/Volume: 5 mL
Date Prepared:	03/29/2009 2343		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U *	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111	65 - 136
4-Bromofluorobenzene	93	51 - 142
Dibromofluoromethane	107	68 - 132
Toluene-d8 (Surr)	104	63 - 127

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1
Sdg Number: 220-8476

Client Sample ID: OW-5

Lab Sample ID: 220-8476-1
Client Matrix: Water

Date Sampled: 03/20/2009 1055
Date Received: 03/21/2009 1003

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-25720	Instrument ID:	Perkin Elmer ICP
Preparation:	3010A	Prep Batch: 220-25613	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	03/31/2009 1023		Final Weight/Volume:	50 mL
Date Prepared:	03/27/2009 1208			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	15	U	3.7	15
Cadmium	5.0	U	0.70	5.0
Chromium	0.79	J	0.46	5.0
Lead	2.9	J	2.2	15
Selenium	38	U	12	38
Silver	5.0	U	0.18	5.0
Barium	320		0.20	5.0

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1
Sdg Number: 220-8476

Client Sample ID: OW-6

Lab Sample ID: 220-8476-2
Client Matrix: Water

Date Sampled: 03/20/2009 1110
Date Received: 03/21/2009 1003

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-25720	Instrument ID:	Perkin Elmer ICP
Preparation:	3010A	Prep Batch: 220-25613	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	03/31/2009 1027		Final Weight/Volume:	50 mL
Date Prepared:	03/27/2009 1208			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	15	U	3.7	15
Cadmium	5.0	U	0.70	5.0
Chromium	1.6	J	0.46	5.0
Lead	15	U	2.2	15
Selenium	38	U	12	38
Silver	0.33	J	0.18	5.0
Barium	210		0.20	5.0

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1
Sdg Number: 220-8476

Client Sample ID: OW-4

Lab Sample ID: 220-8476-3

Date Sampled: 03/20/2009 1305

Client Matrix: Water

Date Received: 03/21/2009 1003

6010B Metals (ICP)

Method: 6010B

Analysis Batch: 220-25720

Instrument ID:

Perkin Elmer ICP

Preparation: 3010A

Prep Batch: 220-25613

Lab File ID:

N/A

Dilution: 1.0

Initial Weight/Volume:

100 mL

Date Analyzed: 03/31/2009 1030

Final Weight/Volume:

50 mL

Date Prepared: 03/27/2009 1208

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	4.1	J	3.7	15
Cadmium	5.0	U	0.70	5.0
Chromium	2.0	J	0.46	5.0
Lead	2.7	J	2.2	15
Selenium	38	U	12	38
Silver	5.0	U	0.18	5.0
Barium	520		0.20	5.0

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

Sdg Number: 220-8476

Client Sample ID: OW-9

Lab Sample ID: 220-8476-4

Date Sampled: 03/20/2009 1330

Client Matrix: Water

Date Received: 03/21/2009 1003

6010B Metals (ICP)

Method: 6010B

Analysis Batch: 220-25720

Instrument ID:

Perkin Elmer ICP

Preparation: 3010A

Prep Batch: 220-25613

Lab File ID:

N/A

Dilution: 1.0

Initial Weight/Volume: 100 mL

Date Analyzed: 03/31/2009 1033

Final Weight/Volume: 50 mL

Date Prepared: 03/27/2009 1208

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	15	U	3.7	15
Cadmium	5.0	U	0.70	5.0
Chromium	5.0	U	0.46	5.0
Lead	15	U	2.2	15
Selenium	38	U	12	38
Silver	5.0	U	0.18	5.0
Barium	390		0.20	5.0

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1
Sdg Number: 220-8476

Client Sample ID: OW-7

Lab Sample ID: 220-8476-5

Date Sampled: 03/20/2009 1605

Client Matrix: Water

Date Received: 03/21/2009 1003

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-25720	Instrument ID:	Perkin Elmer ICP
Preparation:	3010A	Prep Batch: 220-25613	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	03/31/2009 1037		Final Weight/Volume:	50 mL
Date Prepared:	03/27/2009 1208			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	15	U	3.7	15
Cadmium	5.0	U	0.70	5.0
Chromium	3.0	J	0.46	5.0
Lead	3.2	J	2.2	15
Selenium	38	U	12	38
Silver	5.0	U	0.18	5.0
Barium	220		0.20	5.0

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1
Sdg Number: 220-8476

Client Sample ID: OW-8

Lab Sample ID: 220-8476-6

Date Sampled: 03/20/2009 1520

Client Matrix: Water

Date Received: 03/21/2009 1003

6010B Metals (ICP)

Method: 6010B

Analysis Batch: 220-25720

Instrument ID:

Perkin Elmer ICP

Preparation: 3010A

Prep Batch: 220-25613

Lab File ID:

N/A

Dilution: 1.0

Initial Weight/Volume:

100 mL

Date Analyzed: 03/31/2009 1103

Final Weight/Volume:

50 mL

Date Prepared: 03/27/2009 1208

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	5.8	J	3.7	15
Cadmium	5.0	U	0.70	5.0
Chromium	5.0	U	0.46	5.0
Lead	15	U	2.2	15
Selenium	38	U	12	38
Silver	5.0	U	0.18	5.0
Barium	170		0.20	5.0

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1
 Sdg Number: 220-8476

Client Sample ID: DUPLICATE

Lab Sample ID: 220-8476-10
 Client Matrix: Water

Date Sampled: 03/20/2009 0000
 Date Received: 03/21/2009 1003

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-25720	Instrument ID:	Perkin Elmer ICP
Preparation:	3010A	Prep Batch: 220-25613	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	03/31/2009 1106		Final Weight/Volume:	50 mL
Date Prepared:	03/27/2009 1210			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	15	U	3.7	15
Cadmium	5.0	U	0.70	5.0
Chromium	5.0	U	0.46	5.0
Lead	15	U	2.2	15
Selenium	38	U	12	38
Silver	5.0	U	0.18	5.0
Barium	390		0.20	5.0

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1
Sdg Number: 220-8476

General Chemistry

Client Sample ID: OW-5

Lab Sample ID: 220-8476-1
Client Matrix: Water

Date Sampled: 03/20/2009 1055
Date Received: 03/21/2009 1003

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chemical Oxygen Demand	13.8		mg/L	2.8	10.0	1.0	410.4
	Anly Batch: 220-25623		Date Analyzed	03/27/2009 1205			
Total Organic Carbon	3.5		mg/L	0.10	1.0	1.0	SM 5310C
	Anly Batch: 220-25683		Date Analyzed	03/28/2009 0617			

Client Sample ID: OW-6

Lab Sample ID: 220-8476-2
Client Matrix: Water

Date Sampled: 03/20/2009 1110
Date Received: 03/21/2009 1003

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chemical Oxygen Demand	21.8		mg/L	2.8	10.0	1.0	410.4
	Anly Batch: 220-25623		Date Analyzed	03/27/2009 1210			
Total Organic Carbon	5.1		mg/L	0.10	1.0	1.0	SM 5310C
	Anly Batch: 220-25683		Date Analyzed	03/28/2009 0702			

Client Sample ID: OW-4

Lab Sample ID: 220-8476-3
Client Matrix: Water

Date Sampled: 03/20/2009 1305
Date Received: 03/21/2009 1003

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chemical Oxygen Demand	13.0		mg/L	2.8	10.0	1.0	410.4
	Anly Batch: 220-25623		Date Analyzed	03/27/2009 1215			
Total Organic Carbon	3.1		mg/L	0.10	1.0	1.0	SM 5310C
	Anly Batch: 220-25683		Date Analyzed	03/28/2009 0747			

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1
Sdg Number: 220-8476

General Chemistry

Client Sample ID: OW-9

Lab Sample ID: 220-8476-4
Client Matrix: Water

Date Sampled: 03/20/2009 1330
Date Received: 03/21/2009 1003

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chemical Oxygen Demand	14.2		mg/L	2.8	10.0	1.0	410.4
	Anly Batch: 220-25623		Date Analyzed	03/27/2009 1220			
Total Organic Carbon	1.8		mg/L	0.10	1.0	1.0	SM 5310C
	Anly Batch: 220-25683		Date Analyzed	03/28/2009 0941			

Client Sample ID: OW-7

Lab Sample ID: 220-8476-5
Client Matrix: Water

Date Sampled: 03/20/2009 1605
Date Received: 03/21/2009 1003

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chemical Oxygen Demand	15.7		mg/L	2.8	10.0	1.0	410.4
	Anly Batch: 220-25623		Date Analyzed	03/27/2009 1225			
Total Organic Carbon	3.2		mg/L	0.10	1.0	1.0	SM 5310C
	Anly Batch: 220-25683		Date Analyzed	03/28/2009 1018			

Client Sample ID: OW-8

Lab Sample ID: 220-8476-6
Client Matrix: Water

Date Sampled: 03/20/2009 1520
Date Received: 03/21/2009 1003

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chemical Oxygen Demand	24.5		mg/L	2.8	10.0	1.0	410.4
	Anly Batch: 220-25623		Date Analyzed	03/27/2009 1240			
Total Organic Carbon	9.0		mg/L	0.10	1.0	1.0	SM 5310C
	Anly Batch: 220-25683		Date Analyzed	03/28/2009 1328			

Client Sample ID: OW-1

Lab Sample ID: 220-8476-7
Client Matrix: Water

Date Sampled: 03/20/2009 1652
Date Received: 03/21/2009 1003

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chemical Oxygen Demand	6.5	J	mg/L	2.8	10.0	1.0	410.4
	Anly Batch: 220-25623		Date Analyzed	03/27/2009 1255			
Total Organic Carbon	1.8		mg/L	0.10	1.0	1.0	SM 5310C
	Anly Batch: 220-25683		Date Analyzed	03/28/2009 1411			

Analytical Data

Client: S & W Redevelopment LLC

Job Number: 220-8476-1
Sdg Number: 220-8476

General Chemistry

Client Sample ID: OW-2

Lab Sample ID: 220-8476-8
Client Matrix: Water

Date Sampled: 03/20/2009 1720
Date Received: 03/21/2009 1003

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chemical Oxygen Demand	11.1		mg/L	2.8	10.0	1.0	410.4
	Anly Batch: 220-25623	Date Analyzed		03/27/2009 1300			
Total Organic Carbon	3.6		mg/L	0.10	1.0	1.0	SM 5310C
	Anly Batch: 220-25683	Date Analyzed		03/28/2009 1451			

Client Sample ID: OW-3

Lab Sample ID: 220-8476-9
Client Matrix: Water

Date Sampled: 03/20/2009 1809
Date Received: 03/21/2009 1003

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chemical Oxygen Demand	25.3		mg/L	2.8	10.0	1.0	410.4
	Anly Batch: 220-25623	Date Analyzed		03/27/2009 1305			
Total Organic Carbon	8.0		mg/L	0.10	1.0	1.0	SM 5310C
	Anly Batch: 220-25683	Date Analyzed		03/28/2009 1536			

Client Sample ID: DUPLICATE

Lab Sample ID: 220-8476-10
Client Matrix: Water

Date Sampled: 03/20/2009 0000
Date Received: 03/21/2009 1003

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chemical Oxygen Demand	4.6	J	mg/L	2.8	10.0	1.0	410.4
	Anly Batch: 220-25623	Date Analyzed		03/27/2009 1310			
Total Organic Carbon	1.7		mg/L	0.10	1.0	1.0	SM 5310C
	Anly Batch: 220-25683	Date Analyzed		03/28/2009 1623			

DATA REPORTING QUALIFIERS

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

Sdg Number: 220-8476

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
Metals		
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.
General Chemistry		
	J	Sample result is greater than the MDL but below the CRDL

Login Sample Receipt Check List

Client: S & W Redevelopment LLC

Job Number: 220-8476-1

SDG Number: 220-8476

Login Number: 8476

List Source: TestAmerica Connecticut

Creator: Blocker, Kristina

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	False	#11, 1 vial has a bubble <6mm.
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	