FINAL

June 2005

On-Post
Quarterly Groundwater Monitoring Report

Prepared For

Department of the Army
Camp Stanley Storage Activity
Boerne, Texas

December 2005

GEOSCIENTIST CERTIFICATION

June 2005 On-post Quarterly Groundwater Monitoring Report

For

Department of the Army

Camp Stanley Storage Activity

Boerne, Texas

I, Kimberly S. Riley, P.G., hereby certify that the June 2005 On-post Quarterly Groundwater Monitoring Report for the Camp Stanley Storage Activity installation in Boerne, Texas accurately represents the site conditions of the subject area. This certification is limited only to geoscientific products contained in the subject report and is made on the basis of written and verbal information provided by the CSSA Environmental Office, laboratory data provided by APPL, and field data obtained during groundwater monitoring conducted at the site in June 2005, and is true and accurate to the best of my knowledge and belief.

Kimberly S. Riley, P.G.
State of Texas
Geology License No. 6068

12/12/05
Date

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GROUNDWATER MONITORING REPORT
CAMP STANLEY STORAGE ACTIVITY, TEXAS

Groundwater monitoring scoped under the Air Force Center for Environmental Excellence (AFCEE) 4P/AE Contract 41624-03-D-8613, Task Order (TO) 0008, was performed June 6, 2005 through June 16, 2005, at Camp Stanley Storage Activity (CSSA). On-Post groundwater monitoring conducted under this TO began with the September 2003 sampling event. Groundwater monitoring conducted prior to September 2003 was conducted under various delivery orders as shown in **Table 1** of the **Introduction to the Groundwater Monitoring Program, Volume 5**. AFCEE provides technical oversight of the monitoring program.

Current objectives of the groundwater monitoring program are to determine groundwater flow direction and elevations, determine groundwater contaminant concentrations for characterization purposes, and identify meteorological and seasonal variations in physical and chemical properties. **Appendix A** identifies the data quality objectives (DQO) for CSSA's groundwater monitoring program, along with an evaluation of whether each DQO was attained. The objectives listed in the table also reference appropriate sections of the **3008(h) Administrative Order on Consent** (Order). Overall DQOs for the investigations at CSSA are provided in **Volume 1-1** behind the **RFI Addendum** tab (**Section 11**).

1.0 WATER LEVEL MEASUREMENTS

Forty-one water level measurements were recorded on June 6, 2005. Water level measurements were collected from CSSA wells CS-1, CS-2, CS-3, CS-4, CS-9, CS-10, CS-11, CS-MW16-LGR, CS-MW16-CC, CS-D, CS-MWG-LGR, CS-MWH-LGR, CS-I, CS-MW1-LGR, CS-MW1-BS, CS-MW1-CC, CS-MW2-LGR, CS-MW2-CC, CS-MW3-LGR, CS-MW4-LGR, CS-MW5-LGR, CS-MW6-LGR, CS-MW6-BS, CS-MW6-CC, CS-MW7-LGR, CS-MW7-CC, CS-MW8-LGR, CS-MW8-CC, CS-MW9-LGR, CS-MW9-BS, CS-MW9-CC, CS-MW10-LGR, CS-MW10-CC, CS-MW11A-LGR, CS-MW11B-LGR, CS-MW12-LGR, CS-MW12-BS, CS-MW12-CC, CS-MW17-LGR, CS-MW18-LGR, and CS-MW19-LGR. All water levels were measured with an e-line water level indicator. Transducer data were also collected from wells CS-1, CS-10, CS-11, CS-MW1-CC, CS-MW2-CC, CS-MW4-LGR, CS-MW8-LGR, CS-MW8-CC, CS-MW9-LGR, CS-MW9-BS, CS-MW9-CC, CS-MW11A-LGR, CS-MW11B-LGR, CS-MW12-LGR, CS-MW12-CC, CS-MW16-LGR, CS-MW16-CC, CS-MW18-LGR, and CS-MW19-LGR. Transducer data are discussed in further detail in **Section 3.0**. A groundwater elevation for off-post well FO-20 was obtained from Fair Oaks Water Utilities on June 6, 2005. Measurements were also collected from off-post wells LS-7 and RFR-10 on June 20, 2005.

Depth to groundwater subtracted from top of casing elevations and the water level elevations are summarized in **Table 1-1**. **Table 1-1** includes the most recent survey data provided by Baker Surveying. **Table 1-2** summarizes the changes in groundwater elevations compared to the March 2005 event. The current groundwater elevations may be compared to the historical groundwater elevations from October 1992 through the most recent groundwater

monitoring event in **Table 3** of the **Introduction to the Quarterly Groundwater Monitoring Program** (**Parsons, 2002**) (**Volume 5, Groundwater**).

The average groundwater elevation measurement for each of the Lower Glen Rose (LGR), Bexar Shale (BS), and Cow Creek Limestone (CC) Formations is provided in **Table 1-1**. The averages were calculated using groundwater elevations from wells screened in only one formation. Water elevations from wells completed with open boreholes over multiple formations were not used. Typically, water levels measured at CSSA decrease in elevation from the LGR to the BS to the CC. In June 2005, the average groundwater elevation did not follow the typical pattern. The average groundwater elevations in June 2005 for the LGR, BS, and CC were 1119.19 feet, 1125.27 feet, and 1082.40 feet above mean sea level (MSL), respectively. This was a decrease of 49.27 feet in the LGR, a decrease of 26.34 feet in the BS, and a decrease of 45.18 feet in the CC from the average levels measured in March 2005.

Table 1-1
Summary of Groundwater Elevations
June 2005

Well ID:	TOC elevation (ft MSL)	Depth to groundwater (ft BTOC)	Groundwater elevation (ft MSL)	Formations Screened			Date
				LGR	BS	CC	
CS-1	**1169.27**	NA	**NA**	**ALL**			6/6/2005
CS-2	**1237.59**	**128.99**	**1108.60**	**?**	**?**		6/6/2005
CS-3	1240.17	127.68	1112.49	**X**			6/6/2005
CS-4	**1229.28**	**115.73**	**1113.55**	**?**	**?**		6/6/2005
CS-9	**1325.31**	**302.95**	**1022.36**	**ALL**			6/6/2005
CS-10	**1331.51**	**276.15**	**1055.36**	**ALL**			6/6/2005
CS-11	**1332.49**	**216.99**	**1115.50**	**ALL**			6/6/2005
CS-MW16-LGR	1244.60	122.83	1121.77	**X**			6/6/2005
CS-MW16-CC	1244.51	252.15	992.36			**X**	6/6/2005
CS-D	1236.03	120.30	1115.73	**X**			6/6/2005
CS-MWG-LGR	1328.14	170.84	1157.30	**X**			6/6/2005
CS-MWH-LGR	1319.19	189.86	1129.33	**X**			6/6/2005
CS-I	1315.20	206.48	1108.72	**X**			6/6/2005
CS-MW1-LGR	1220.73	99.84	1120.89	**X**			6/6/2005
CS-MW1-BS	1221.09	85.11	1135.98		**X**		6/6/2005
CS-MW1-CC	1221.39	150.45	1070.94			**X**	6/6/2005
CS-MW2-LGR	1237.08	104.25	1132.83	**X**			6/6/2005
CS-MW2-CC	1240.11	168.11	1072.00				6/6/2005
CS-MW3-LGR	1334.14	208.65	1125.49	**X**			6/6/2005
CS-MW4-LGR	1209.71	52.57	1157.14	**X**			6/6/2005
CS-MW5-LGR	1340.24	204.92	1135.32	**X**			6/6/2005
CS-MW6-LGR	1232.25	116.95	1115.30	**X**			6/6/2005
CS-MW6-BS	1232.67	104.00	1128.67		**X**		6/6/2005
CS-MW6-CC	1233.21	125.32	1107.89			**X**	6/6/2005
CS-MW7-LGR	1202.27	93.12	1109.15	**X**			6/6/2005
CS-MW7-CC	1201.84	94.74	1107.10			**X**	6/6/2005
CS-MW8-LGR	1208.35	95.97	1112.38	**X**			6/6/2005
CS-MW8-CC	1206.13	98.50	1107.63			**X**	6/6/2005
CS-MW9-LGR	1257.27	144.60	1112.67	**X**			6/6/2005
CS-MW9-BS	1256.73	138.16	1118.57		**X**		6/6/2005
CS-MW9-CC	1255.95	169.77	1086.18			**X**	6/6/2005
CS-MW10-LGR	1189.53	86.15	1103.38	**X**			6/6/2005
CS-MW10-CC	1190.04	87.30	1102.74			**X**	6/6/2005
CS-MW11A-LGR	1204.03	108.24	1095.79	**X**			6/6/2005
CS-MW11B-LGR	1203.52	117.00	1086.52	**X**			6/6/2005
CS-MW12-LGR	1259.07	143.38	1115.69	**X**			6/6/2005
CS-MW12-BS	1258.37	140.53	1117.84		**X**		6/6/2005
CS-MW12-CC	1257.31	172.94	1084.37			**X**	6/6/2005
CS-MW17-LGR	1257.01	139.79	1117.22	**X**			6/6/2005
CS-MW18-LGR	1283.61	172.76	1110.85	**X**			6/6/2005
CS-MW19-LGR	1255.53	129.33	1126.20	**X**			6/6/2005
LS-7	1181.73	113.11	1068.62	**ALL**			6/20/2005
RFR-10	1228.16	134.52	1093.64	**ALL**			6/20/2005
FO-20	**NA**		**1127.10**	**ALL**			6/6/2005
Number of wells screened in each formation.				**22**	**4**	**8**	
Average groundwater elevation in each formation given in feet.				1119.19	1125.27	1082.40	

Notes:
Bold wells: CS-1, CS-2, CS-4, CS-9, CS-10, CS-11 and FO-20 are open boreholes across more than one of the formations and are not included in average groundwater elevation calculations. CS-1, CS-9, CS-10 and CS-11 are current and former drinking water wells. FO-20 is a public drinking water wel
NA = Data not available, TOC = Top of casing, BTOC = Below top of casin
?=Exact screening information unknown for this well.
All measurements given in feet.

Table 1-2

Comparison of Groundwater Elevations from March 2005 to June 2005

Well ID	March 2005 Elevations	June 2005 Elevations	GW elevation change (March minus December)	Formations Screened		
				LGR	BS	CC
CS-1	**1103.34**	**NA**	**NA**	**ALL**		
CS-2	**1184.53**	**1108.60**	**-75.93**	**?**	**?**	
CS-3	1179.65	1112.49	-67.16	**X**		
CS-4	**1179.55**	**1113.55**	**-66.00**	**?**	**?**	
CS-9	**1174.82**	**1022.36**	**NA**	**ALL**		
CS-10	**1172.01**	**1055.36**	**-116.65**	**ALL**		
CS-11	**1180.34**	**1115.50**	**-64.84**	**ALL**		
CS-MW16-LGR	1175.43	1121.77	-53.66	**X**		
CS-MW16-CC	1032.88	992.36	-40.52			**X**
CS-D	1178.61	1115.73	-62.88	**X**		
CS-MWG-LGR	1153.64	1157.30	3.66	**X**		
CS-MWH-LGR	1172.44	1129.33	-43.11	**X**		
CS-I	1142.85	1108.72	-34.13	**X**		
CS-MW1-LGR	1178.04	1120.89	-57.15	**X**		
CS-MW1-BS	1141.58	1135.98	-5.60		**X**	
CS-MW1-CC	1116.57	1070.94	-45.63			**X**
CS-MW2-LGR	1170.72	1132.83	-37.89	**X**		
CS-MW2-CC	1103.76	1072.00	-31.76			
CS-MW3-LGR	1166.58	1125.49	-41.09	**X**		
CS-MW4-LGR	1189.33	1157.14	-32.19	**X**		
CS-MW5-LGR	1166.03	1135.32	-30.71	**X**		
CS-MW6-LGR	1163.77	1115.30	-48.47	**X**		
CS-MW6-BS	1146.23	1128.67	-17.56		**X**	
CS-MW6-CC	1146.79	1107.89	-38.90			**X**
CS-MW7-LGR	1162.75	1109.15	-53.60	**X**		
CS-MW7-CC	1148.25	1107.10	-41.15			**X**
CS-MW8-LGR	1160.19	1112.38	-47.81	**X**		
CS-MW8-CC	1147.89	1107.63	-40.26			**X**
CS-MW9-LGR	1184.55	1112.67	-71.88	**X**		
CS-MW9-BS	1161.41	1118.57	-42.84		**X**	
CS-MW9-CC	1139.90	1086.18	-53.72			**X**
CS-MW10-LGR	1151.16	1103.38	-47.78	**X**		
CS-MW10-CC	1152.23	1102.74	-49.49			**X**
CS-MW11A-LGR	1158.19	1095.79	-62.40	**X**		
CS-MW11B-LGR	1152.05	1086.52	-65.53	**X**		
CS-MW12-LGR	1178.03	1115.69	-62.34	**X**		
CS-MW12-BS	1157.18	1117.84	-39.34		**X**	
CS-MW12-CC	1136.13	1084.37	-51.76			**X**
CS-MW17-LGR	1170.50	1117.22	-53.28	**X**		
CS-MW18-LGR	1172.15	1110.85	-61.30	**X**		
CS-MW19-LGR	1179.48	1126.20	-53.28	**X**		
LS-7	1146.20	1068.62	-77.58	**ALL**		
RFR-10	1127.25	1093.64	-33.61	**ALL**		
FO-20	**1178.82**	**1127.10**	**-51.72**	**ALL**		
Average groundwater elevation change (all wells)			**-45.93**			
Average groundwater elevation change in each formation				**-49.27**	**-26.34**	**-45.18**

Notes:

Average groundwater elevation change is calculated from wells screened in only one formation.

Bold wells: CS-1, CS-2, CS-4, CS-9, CS-10, CS-11 and FO-20 are open boreholes across more than one of the formations and are not included in average groundwater elevation calculations. CS-1, CS-9, CS-10 and CS-11 are current and former drinking water wells. FO-20 is a public drinking water well.

NA = Data not available

?=Exact screening information unknown for this well.

All measurements given in feet.

2.0 BASEWIDE FLOW DIRECTION AND GRADIENT

The groundwater potentiometric surface map illustrating groundwater elevations from June 2005 is shown in **Figure 2-1**. Only water level measurements from the LGR are used to create the potentiometric surface map. An overall groundwater gradient averaged across CSSA is to the south-southeast at 0.0041 ft/ft. The groundwater gradient varies in direction and velocity in different areas of CSSA. Groundwater gradients calculated from different LGR wells ranged from 0.00058 ft/ft to 0.0109 ft/ft. General groundwater flow directions and average gradients during past monitoring events are provided in **Section 3.0** for comparison.

The June 2005 potentiometric surface map for LGR-screened wells (**Figure 2-1**) exhibited a wide range of groundwater elevations, from a minimum of 1086.52 feet MSL at CS-MW11B-LGR to a maximum 1157.30 feet MSL at CS-MWG-LGR. Groundwater elevations are generally higher in the northern and central portions of CSSA, and decrease to the southwest and southeast, with well CS-MW11B-LGR having the lowest groundwater elevation of all LGR screened wells. Groundwater in the west-central portion of the inner cantonment shows a drawdown effect from the pumping of drinking water wells CS-9 and CS-10.

There are exceptions across CSSA to the general south-southeast direction for flow of groundwater. Well CS-MW4-LGR in the central portion of CSSA had one of the highest groundwater elevations (1157.14 feet MSL) of LGR screened wells measured in June 2005 (**Figure 2-1**). This elevation was 22 to 25 feet higher than the nearest comparable wells (CS-MW2-LGR and CS-MW5-LGR). The CS-MW4-LGR well consistently reports a higher groundwater elevation than other wells screened in the same formation. Unlike the general trend at CSSA, groundwater flow appears to radiate outward to the north, east, and south at CS-MW4-LGR.

The groundwater gradient/potentiometric surface map presented in **Figure 2-1** incorporates measured groundwater elevations from the LGR screened wells only; **Figure 2-2** incorporates the BS screened wells only; and **Figure 2-3** incorporates the CC wells only. In the area near Building 90 in the southwest corner of CSSA, two potentiometric surface maps were created using June 2005 groundwater elevations from wells screened in the LGR and CC (**Figure 2-4** and **Figure 2-5**, respectively). The gradient shown in the northeast corner of the CC gradient map (**Figure 2-3**), depicts drawdown effects of the CS-MW16-CC pumping that was conducted in June 2005.

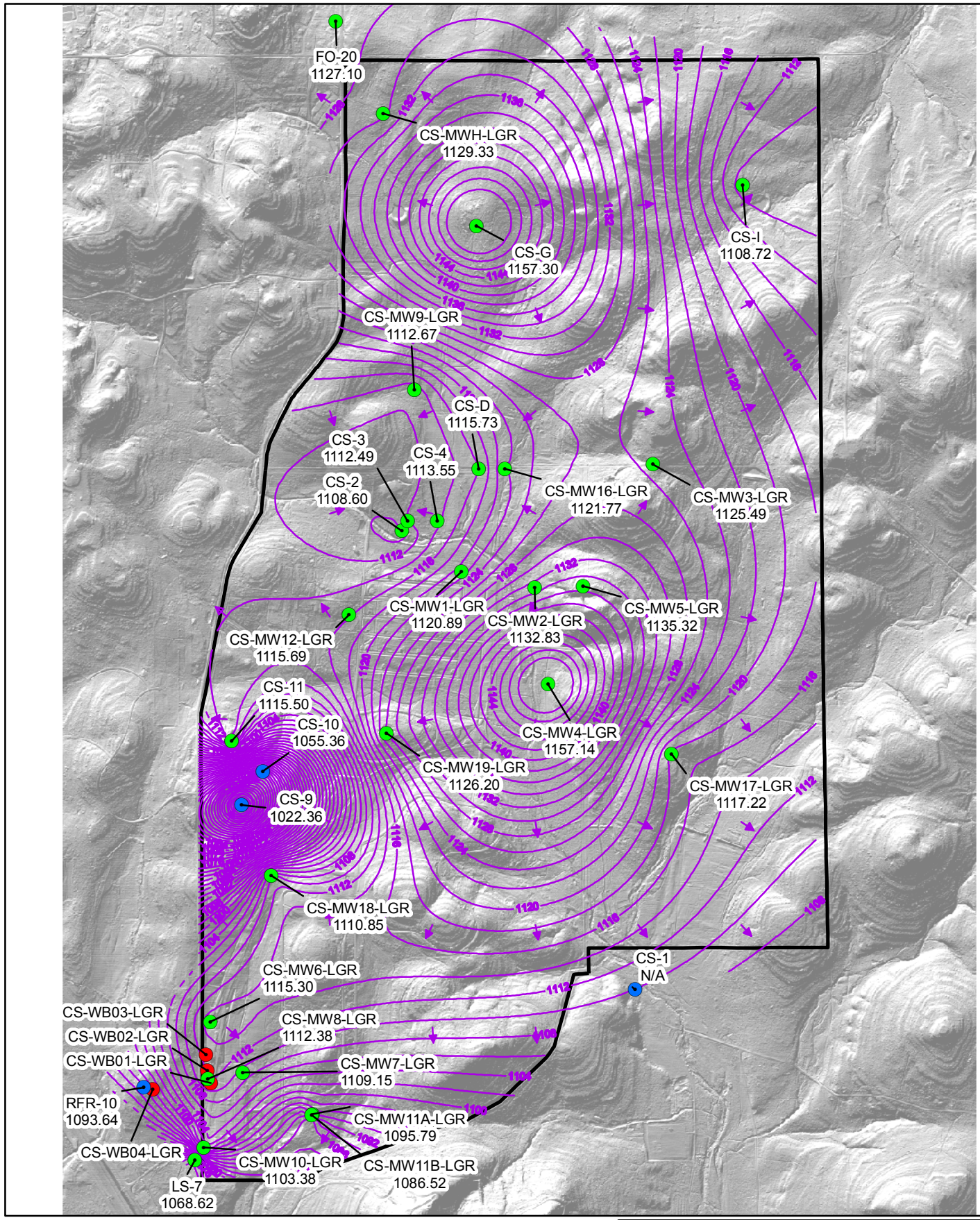

Figure 2-1

June 2005 Potentiometric Surface Map, LGR Wells

Camp Stanley Storage Activity

PARSONS

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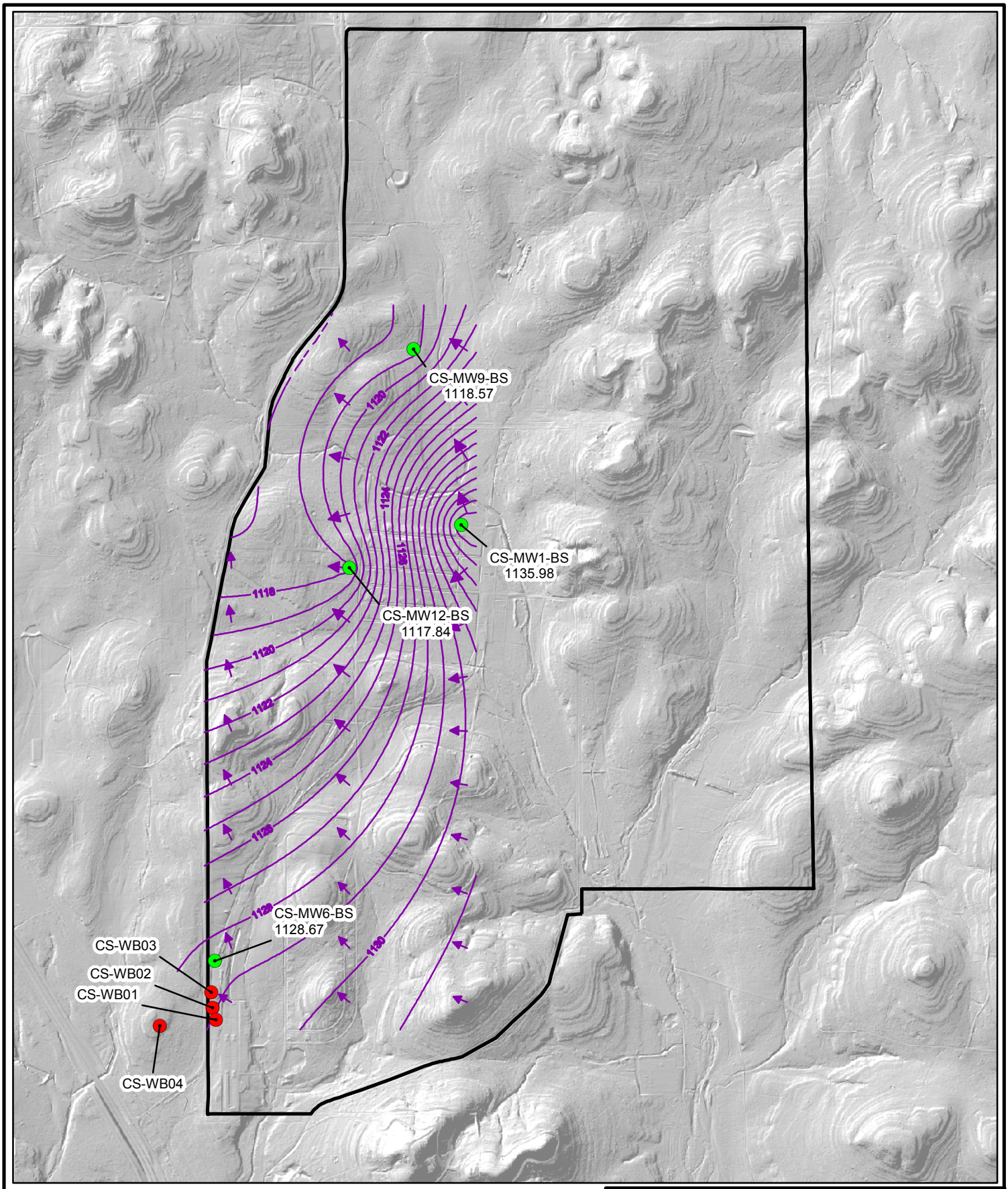

Figure 2-2

June 2005 Potentiometric Surface Map, BS Wells

Camp Stanley Storage Activity

PARSONS

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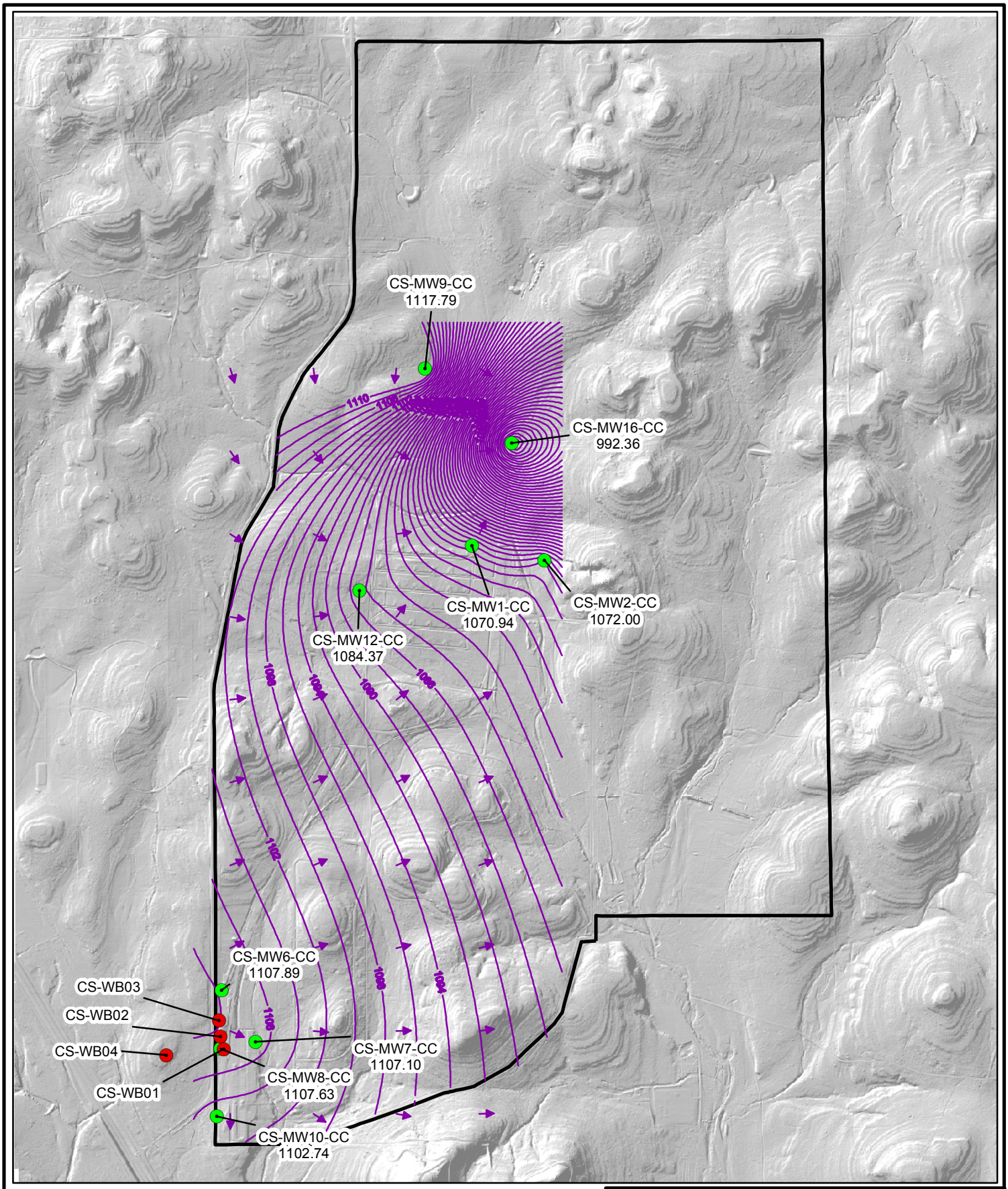

Figure 2-3

June 2005 Potentiometric Surface Map, CC Wells

Camp Stanley Storage Activity

PARSONS

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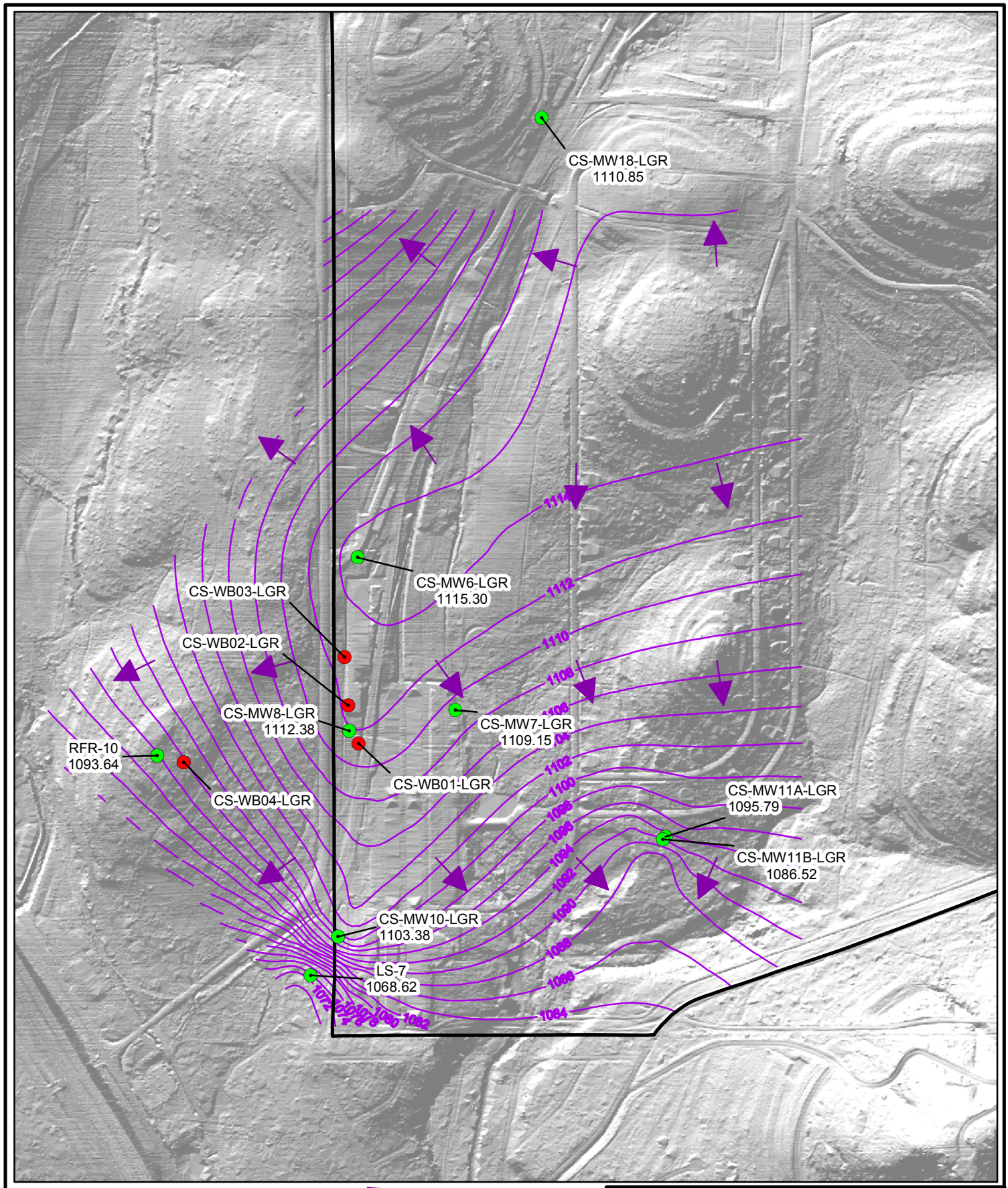

Figure 2-4

June 2005 Potentiometric Surface Map for LGR Screened Wells near Building 90

Camp Stanley Storage Activity

PARSONS

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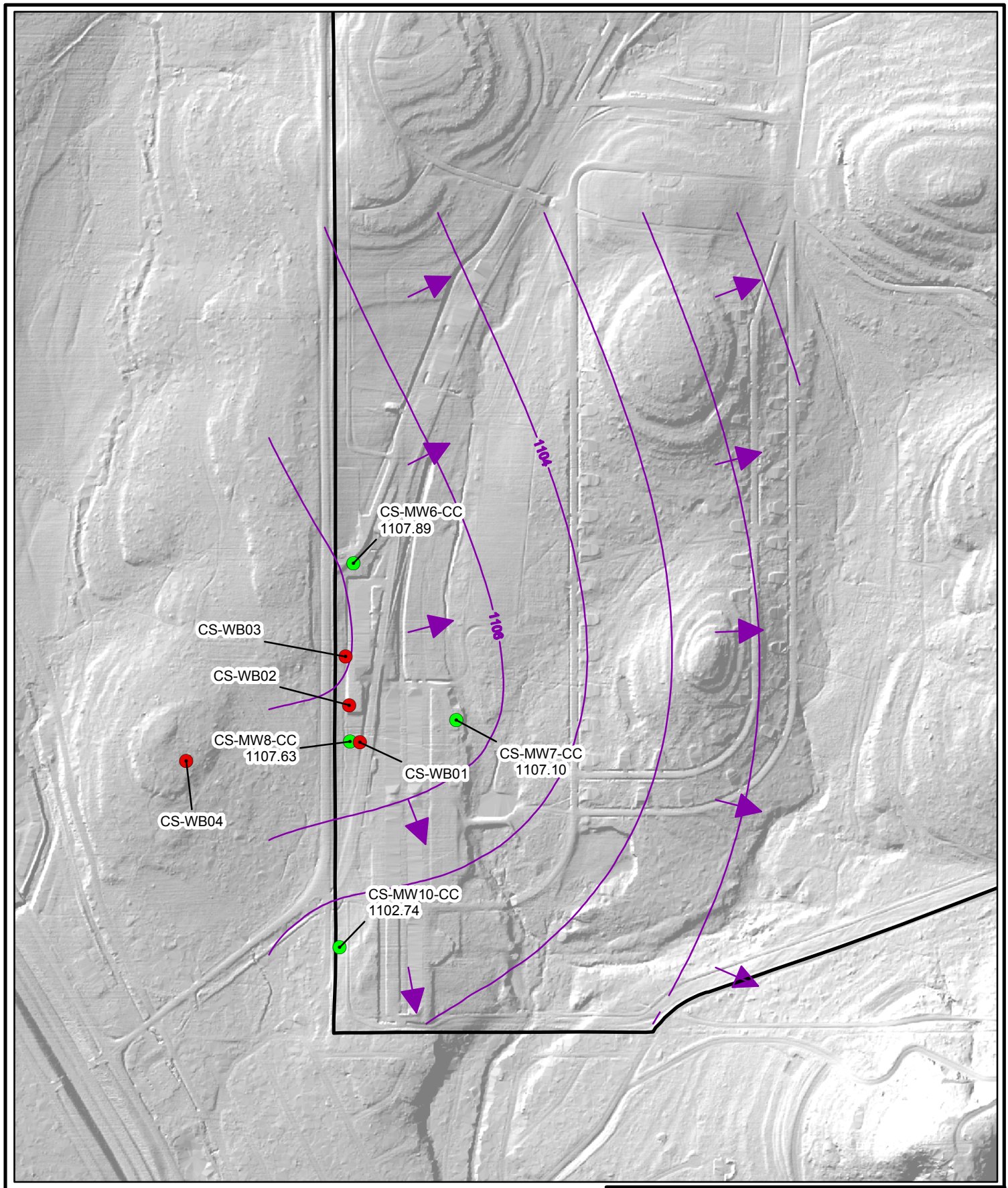

Figure 2-5

June 2005 Potentiometric Surface Map
for CC Screened Wells near Building 90

Camp Stanley Storage Activity

PARSONS

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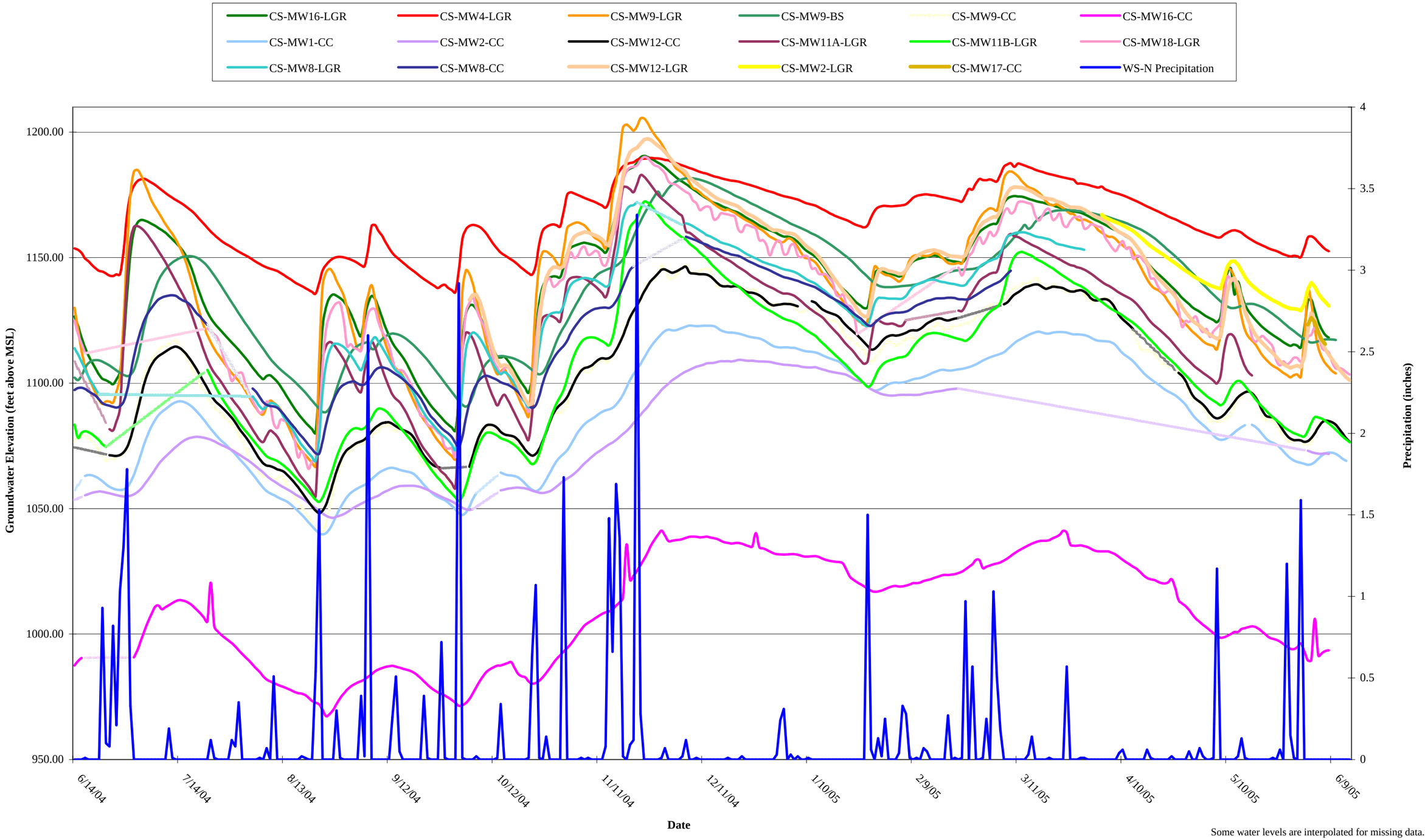
The BS potentiometric surface map indicates groundwater flow direction to the east with slight variations to the north and the CC map shows flow direction is to the east with a more northerly component. The LGR potentiometric surface map near Building 90 for June 2005 indicates a groundwater flow direction to the south and west. The CC potentiometric surface map indicates that June 2005 groundwater flow is to the east near Building 90.

As shown in **Figures 2-1** through **2-5**, water levels at CSSA vary greatly. This variability is associated with several factors:

- Differences in well completion depths and formations screened;
- Differences in recharge rates due to increased secondary porosity associated with the Salado Creek area;
- Differences in recharge rates due to increased secondary porosity associated with local fault zones;
- Pumping from public and private water supply wells located on- and off-post; and
- Locations of major faults or fractures.

Until June 2001 when cluster wells were first installed and monitored at CSSA, most potentiometric surface maps were based on water levels from wells with different completion depths. Additional information concerning this issue is included in the **Introduction to the Quarterly Groundwater Monitoring Program** (**Volume 5, Groundwater**). Interpretation of past data for the overall potentiometric surface map is complicated by these well completion depth differences.

Figure 2-6, Selected Wells Groundwater Elevations vs Precipitation Data



Some water levels are interpolated for missing data.

CS-MW16-LGR elevation is 1243.4 feet MSL at top of casing.

3.0 WEATHER STATION AND TRANSDUCER DATA

Twenty-one wells, CS-1, CS-9, CS-10, CS-11, CS-MW1-LGR, CS-MW1-CC, CS-MW2-LGR, CS-MW2-CC, CS-MW4-LGR, CS-MW9-LGR, CS-MW9-BS, CS-MW9-CC, CS-MW11A-LGR, CS-MW11B-LGR, CS-MW12-LGR, CS-MW12-CC, CS-MW16-LGR, CS-MW16-CC, CS-MW17-LGR, CS-MW18-LGR, CS-MW19-LGR are equipped with transducers to continuously measure groundwater elevations. Two weather stations are in place at CSSA, WS-N, adjacent to well CS-MW16-LGR in the north-central region of CSSA and WS-S in the southeast corner of CSSA adjacent to Area of Concern (AOC) 65. Both weather stations record meteorological data including precipitation, wind speed, wind direction, and temperature. The data are evaluated to identify trends in groundwater recharge. All transducer data collected from June 2004 through June 14, 2005, are presented in **Figure 2-6**. Interpolated data points are used for some wells where data gaps occurred due to well re-construction and/or transducer battery failure. Well CS-MW16-CC data shown in **Figure 2-6** does not indicate groundwater recharge conditions due to pumping which has occurred since February 23, 2004. Precipitation recorded at WS-N is shown on **Figure 2-6**.

Overall, groundwater levels in all three formations throughout CSSA decreased an average of 45.93 feet between March 12, 2005 and June 14, 2005. During this period WS-N reported 25 rainfall events with a total precipitation of 5.46 inches, while WS-S reported 20 rainfall events with a total of 5.29 inches of rainfall. Rainfall events during this quarter occurred sporadically, with 1.17 inches of rain recorded at WS-N and 1.39 inches of rain recorded at WS-S on May 7, 2005, and 1.59 and 1.18 inches of rain at the WS-N and WS-S, respectively, on May 31, 2005. During the previous quarter when groundwater levels decreased 6.47 feet, there were 33 rainfall events with a total precipitation of 7.38 inches at WS-N and 31 rainfall events with a total precipitation of 6.48 inches precipitation at WS-S. For comparison of all events, **Table 3-1** shows the total precipitation received each quarter, average groundwater elevations in each formation, the average groundwater elevation change in each formation, the approximate gradient, and approximate gradient flow direction.

Table 3-1
Comparison of Northern and Southern Weather Station Precipitation and Average Overall Groundwater Elevation Change

Quarterly Report (Month, year)	Quarterly precipitation (inches) North WS	Quarterly precipitation (inches) South WS	Average GW elevation Change* (feet)	CS-MW16-LGR GW Elevation Change* (feet)	Average GW Elevation			Approximate gradient (ft/ft)	Approximate gradient flow direction
					Lower Glen Rose	Bexar Shale	Cow Creek		
September-99	7.52	--	-188.4	-136.82	979.80	--	--	0.007	Southwest
December-99	2.84	--	-4.9	-8.13	973.10	--	--	0.004	Southwest
March-00	3.58	--	-9.3	-1.28	970.94	--	--	0.009	South-southeast
June-00	11.1	--	11.77	0.29	976.27	--	--	0.006	Southeast
September-00	1.96	--	-6.34	-13.28	967.03	--	--	0.006	Southeast
December-00	14.48	--	122.99	142.19	1118.59	--	--	0.005	South-southeast
March-01	10.13	--	53.19	48.07	1157.20	--	--	0.0125	Southeast
June-01	6.58	--	-47.5	-48.04	1104.00	1106.85	1093.89	0.007	Southeast
September-01	14.73	--	23.96	13.44	1140.55	1098.18	1095.75	0.0067	Southeast
December-01	10.16	--	15.46	28.21	1149.68	1131.36	1125.63	0.0092	Southeast
March-02	2.25	--	-70.97	-74.03	1077.91	1064.46	1059.27	0.0086	Southeast
June-02	4.46	--	-48.29	-53.41	1030.51	1022.51	994.02	0.0137	South-southeast
September-02	30.98	--	104.5	113.27	1130.87	1129.21	1098.34	0.017	South-southeast
December-02	12.91	--	19.48	33.89	1143.98	1148.26	1133.11	0.0061	South-southeast
March-03	6.22	6.68	-8.47	-10.11	1135.18	1140.52	1122.95	0.012	South-southeast
June-03	4.67	4.64	-41.08	-37.1	1097.87	1095.36	1069.02	0.0022	South-southwest
September-03	8.05	10.28	-52.85	-52.21	1046.77	1060.39	1025.61	0.0045	South-southwest
December-03	2.79	2.92	-32.85	-38.68	1011.38	1029.39	1002.07	0.0095	South-southwest
March-04	6.35	5.93	22.89	34.07	1043.68	1026.20	1017.98	0.0046	South-southwest
June-04	12.95	12.33	71.91	84.31	1121.80	1101.85	1074.56	0.0012	South-southwest
September-04	14.3	14.57	-8.05	-19.31	1106.43	1110.17	1074.96	0.003	South-southeast
December-04	20.68	22.95	63.07	74.82	1173.98	1159.46	1135.16	0.004	South-southeast
March-05	7.38	6.48	-6.47	-7.67	1168.46	1151.60	1127.58	0.00436	South-southeast
June-05	5.46	5.29	-45.93	-53.66	1119.19	1125.27	1082.40	0.0041	South-southeast

* Change since previous quarter.

GW = groundwater, ft MSL = feet above mean sea level, ft/ft = feet per foot

4.0 WESTBAY®-EQUIPPED WELL RESULTS

Four Westbay® (WB) wells equipped with multi-level completions were installed at CSSA in August 2003. WBs are equipped with discrete sampling ports in the LGR, BS & CC. Profiling of WB zone pressures are conducted twice monthly, or more frequently if rainfall exceeds 1" in a 24-hour period. Samples are collected monthly and following some precipitation events. Wells CS-WB01, CS-WB02, CS-WB03, and CS-WB04 were sampled April 20-21, May 23-25, and June 29-30, 2005 for the second quarter of 2005. Profiles were measured on April 13, May 5 and 18, and June 2 and 6, 2005. The standard Westbay Instruments, Inc., equipment, sampling methods, and profiling operations used for this sampling are described in more detail in the **TO42 Well Installation Report (August 2004), CSSA Environmental Encyclopedia**.

During each profiling and sampling event, the field team obtained pressure data from each zone and calculated potential pressure heads, and vertical and horizontal gradients. Pressure data were converted into potential heads, or groundwater elevations. These are the water levels that would result from hydrostatic pressure within that interval if the well were constructed as a conventional well and screened at that specific depth interval. Potential head varies over time as the hydraulic pressure of each zone changes in response to fluctuating hydrologic conditions. Generally, changes in pressure head show greater magnitude with depth in the formations monitored at CSSA.

There were no precipitation-driven WB sampling events during the second quarter 2005. Monthly groundwater samples were collected from all intervals with adequate water. Samples were analyzed for contaminants of concern (COCs) tetrachloroethene [PCE], trichloroethene [TCE], *cis*-1,2-dichloroethene [*cis*-1,2-DCE], trans-1,2-dichloroethene [trans-1,2-DCE], isopropyl alcohol [IPA], acetone, toluene, and 2-butanone [MEK] by DHL Analytical, Round Rock, Texas. WB data are used for screening purposes only. Trip blanks are analyzed, but other quality assurance/quality control (QA/QC) samples are not normally collected. The analytical results and profile data are used to monitor contaminant migration, concentrations, and potential head in specific hydrogeologic zones.

4.1 PCE and TCE Results

Table 4.1 summarizes analytical results of samples collected from March through June 2005. Concentrations from sampled WB zones are graphically represented on **Figures 4.1** to **4.4**. A dashed line represents interpolation for particular dates if a zone is not sampled due to lack of water. The depths indicated for each monitoring zone show the sampling interval open to the formation.

Table 4-1, Combined Results Summary for Westbay® Equipped Wells
Second Quarter, 2005

WB01-UGR-01	20-Apr-05	23-May-05	30-Jun-05
PCE	Dry	Dry	Dry
TCE	Dry	Dry	Dry
cis-1,2-DCE	Dry	Dry	Dry
trans-1,2-DCE	Dry	Dry	Dry
Acetone	Dry	Dry	Dry
IPA	Dry	Dry	Dry
Toluene	Dry	Dry	Dry
	µg/L		

WB02-UGR-01	20-Apr-05	23-May-05	30-Jun-05
PCE	Dry	Dry	Dry
TCE	Dry	Dry	Dry
cis-1,2-DCE	Dry	Dry	Dry
trans-1,2-DCE	Dry	Dry	Dry
Acetone	Dry	Dry	Dry
IPA	Dry	Dry	Dry
Toluene	Dry	Dry	Dry
	µg/L		

WB01-LGR-01	20-Apr-05		23-May-05		30-Jun-05	
PCE	3.05		6.41		4.43	
TCE	<0.60	U	<0.60	U	<0.60	U
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB02-LGR-01	20-Apr-05		23-May-05		30-Jun-05	
PCE	3.69		3.85		3.75	
TCE	2.05		2.44		2.21	
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB01-LGR-02	20-Apr-05		23-May-05		30-Jun-05	
PCE	5.08		3.86		3.94	
TCE	2.11		2.07		1.8	**J**
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB02-LGR-02	20-Apr-05		23-May-05		30-Jun-05
PCE	8.96		9.58	**J**	Dry
TCE	1.5	**J**	1.6	**J**	Dry
cis-1,2-DCE	<0.20	U	<0.20	U	Dry
trans-1,2-DCE	<0.20	U	<0.20	U	Dry
Acetone	<5.0	U	<5.0	U	Dry
IPA	<5.0	U	<5.0	U	Dry
Toluene	<0.60	U	<0.60	U	Dry
	µg/L				

WB01-LGR-03	20-Apr-05		23-May-05		30-Jun-05	
PCE	2.13		2.00		2.02	
TCE	5.56		6.19		4.94	
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB02-LGR-03	20-Apr-05		23-May-05		30-Jun-05	
PCE	2.76		2.90		2.87	
TCE	1.6	**J**	1.8	**J**	1.6	**J**
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB01-LGR-04	20-Apr-05		23-May-05		30-Jun-05	
PCE	<0.60	U	<0.60	U	<0.60	U
TCE	<0.60	U	<0.60	U	<0.60	U
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB02-LGR-04	20-Apr-05		23-May-05		30-Jun-05	
PCE	1.8	**J**	1.6	**J**	2.17	
TCE	4.25		3.82		3.78	
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB01-LGR-05	20-Apr-05		23-May-05		30-Jun-05	
PCE	<0.60	U	<0.60	U	<0.60	U
TCE	1.0	**J**	0.99	**J**	0.76	**J**
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB02-LGR-05	20-Apr-05		23-May-05		30-Jun-05	
PCE	<0.60	U	0.69	**J**	1.1	**J**
TCE	0.97	**J**	1.4	**J**	1.1	**J**
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB01-LGR-06	20-Apr-05		23-May-05		30-Jun-05	
PCE	<0.60	U	<0.60	U	0.71	**J**
TCE	1.6	**J**	1.8	**J**	1.3	**J**
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB02-LGR-06	20-Apr-05		23-May-05		30-Jun-05	
PCE	1.9	**J**	2.07		2.54	
TCE	1.4	**J**	1.8	**J**	1.7	**J**
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB01-LGR-07	20-Apr-05		23-May-05		30-Jun-05	
PCE	6.89		5.90		7.21	
TCE	7.08		7.08		7.14	
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB02-LGR-07	20-Apr-05		23-May-05		30-Jun-05	
PCE	2.34		2.0	**J**	3.02	
TCE	1.7	**J**	1.6	**J**	1.9	**J**
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB01-LGR-08	20-Apr-05		23-May-05		30-Jun-05	
PCE	0.92	**J**	1.1	**J**	1.4	**J**
TCE	1.4	**J**	1.6	**J**	1.6	**J**
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB02-LGR-08	20-Apr-05		23-May-05		30-Jun-05	
PCE	3.38		4.27		3.56	
TCE	2.30		6.29		2.01	
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB01-LGR-09	20-Apr-05		23-May-05		30-Jun-05	
PCE	8.35		12.1		11.2	
TCE	18.6		25.6		19	
cis-1,2-DCE	<0.20	U	0.43	**J**	0.36	**J**
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB02-LGR-09	20-Apr-05		23-May-05		30-Jun-05	
PCE	3.82		2.57		7.63	
TCE	5.42		2.13		5.92	
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

Table 4-1, Combined Results Summary for Westbay® Equipped Wells
Second Quarter, 2005

WB03-UGR-01	21-Apr-05		25-May-05		29-Jun-05	
PCE	19,700		14,900		15,300	
TCE	355		344		356	
cis-1,2-DCE	9.23		11.7		9.21	
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	19.3		<5.0	U	<5.0	U
IPA	10	**J**	<5.0	U	8.2	**J**
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/l					

WB04-UGR-01	21-Apr-05	25-May-05	29-Jun-05
PCE	Dry	Dry	Dry
TCE	Dry	Dry	Dry
cis-1,2-DCE	Dry	Dry	Dry
trans-1,2-DCE	Dry	Dry	Dry
Acetone	Dry	Dry	Dry
IPA	Dry	Dry	Dry
Toluene	Dry	Dry	Dry
	µg/L		

WB03-LGR-01	21-Apr-05		25-May-05		29-Jun-05	
PCE	334		310		306	
TCE	8.24		8.79		8.84	
cis-1,2-DCE	<0.20	U	<0.20	U	0.20	**J**
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/l					

WB04-LGR-01	21-Apr-05		25-May-05		29-Jun-05	
PCE	<0.60	U	<0.60	U	<0.60	U
TCE	<0.60	U	<0.60	U	<0.60	U
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB03-LGR-02	21-Apr-05		25-May-05		29-Jun-05
PCE	198		279		Dry
TCE	6.76		7.64		Dry
cis-1,2-DCE	<0.20	U	<0.20	U	Dry
trans-1,2-DCE	<0.20	U	<0.20	U	Dry
Acetone	7.1	**J**	<5.0	U	Dry
IPA	<5.0	U	21.9		Dry
Toluene	<0.60	U	<0.60	U	Dry
	µg/l				

WB04-LGR-02	21-Apr-05		25-May-05	29-Jun-05
PCE	<0.60	U	Dry	Dry
TCE	<0.60	U	Dry	Dry
cis-1,2-DCE	<0.20	U	Dry	Dry
trans-1,2-DCE	<0.20	U	Dry	Dry
Acetone	<5.0	U	Dry	Dry
IPA	<5.0	U	Dry	Dry
Toluene	<0.60	U	Dry	Dry
	µg/L			

WB03-LGR-03	21-Apr-05		25-May-05		29-Jun-05	
PCE	18.5		19.0		19.9	
TCE	7.22		11.3		9.52	
cis-1,2-DCE	<0.20	U	0.40	**J**	0.3	**J**
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	13	**J**
IPA	<5.0	U	<5.0	U	65.4	
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/l					

WB04-LGR-03	21-Apr-05		25-May-05		29-Jun-05	
PCE	<0.60	U	<0.60	U	<0.60	U
TCE	<0.60	U	<0.60	U	<0.60	U
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB03-LGR-04	21-Apr-05		25-May-05		29-Jun-05	
PCE	17.4		19.8		19.6	
TCE	2.68		3.29		3.21	
cis-1,2-DCE	<0.20	U	<0.20	U	0.21	**J**
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	7.3	**J**	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	5.7	**J**
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/l					

WB04-LGR-04	21-Apr-05		25-May-05		29-Jun-05	
PCE	<0.60	U	<0.60	U	<0.60	U
TCE	<0.60	U	<0.60	U	<0.60	U
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	8.6	**J**
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB03-LGR-05	21-Apr-05		25-May-05		29-Jun-05	
PCE	15.7		16.6		15.4	
TCE	1.2	**J**	1.7	**J**	1.5	**J**
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	5.3	**J**	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	13	**J**
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/l					

WB04-LGR-06	21-Apr-05		25-May-05		29-Jun-05	
PCE	<0.60	U	<0.60	U	<0.60	U
TCE	0.89	**J**	1.3	**J**	0.88	**J**
cis-1,2-DCE	0.55	**J**	1.09	U	0.72	**J**
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	8.5	**J**	45.9	
IPA	<5.0	U	8.8	**J**	338	
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB03-LGR-06	21-Apr-05		25-May-05		29-Jun-05	
PCE	23.1		24.8		27.2	
TCE	3.54		3.04		3.15	
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	6.0	**J**	<5.0	U	44.6	
IPA	<5.0	U	<5.0	U	6.6	**J**
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/l					

WB04-LGR-07	21-Apr-05		25-May-05		29-Jun-05	
PCE	1.0	**J**	0.94	**J**	1.1	**J**
TCE	1.3	**J**	1.7	**J**	1.4	**J**
cis-1,2-DCE	<0.20	U	0.26	**J**	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB03-LGR-07	21-Apr-05		25-May-05		29-Jun-05	
PCE	23.9		29.2		22.7	
TCE	10.6		11.0		7.26	
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/l					

WB04-LGR-08	21-Apr-05		25-May-05		29-Jun-05	
PCE	<0.60	U	0.61	**J**	<0.60	U
TCE	0.68	**J**	0.97	**J**	<0.60	U
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	6.1	**J**	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB03-LGR-08	21-Apr-05		25-May-05		29-Jun-05	
PCE	25.4		25.6		27.0	
TCE	1.9	**J**	2.42		2.49	
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	5.1	**J**	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	9.1	**J**
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/l					

WB04-LGR-09	21-Apr-05		25-May-05		29-Jun-05	
PCE	10.4		13.2		9.73	
TCE	8.76		12.6		9.15	
cis-1,2-DCE	<0.20	U	0.20	**J**	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	6.1	**J**	7.6	**J**
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB03-LGR-09	21-Apr-05		25-May-05		29-Jun-05	
PCE	15.8		20.6		14.2	
TCE	6.29		11.1		8.05	
cis-1,2-DCE	<0.20	U	0.20	**J**	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/l					

WB04-LGR-010	21-Apr-05		25-May-05		29-Jun-05	
PCE	<0.60	U	0.72	**J**	<0.60	**J**
TCE	1.3	**J**	1.2	**J**	0.74	**J**
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

Table 4-1, Combined Results Summary for Westbay® Equipped Wells
Second Quarter, 2005

WB04-LGR-11	21-Apr-05		25-May-05		29-Jun-05	
PCE	<0.60	U	<0.60	U	<0.60	U
TCE	<0.60	U	<0.60	U	<0.60	U
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	7.8	**J**
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB04-BS-01	21-Apr-05		25-May-05		29-Jun-05	
PCE	<0.60	U	<0.60	U	<0.60	U
TCE	<0.60	U	<0.60	U	<0.60	U
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	5.6	**J**
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB04-BS-02	21-Apr-05		25-May-05		29-Jun-05	
PCE	<0.60	U	<0.60	U	<0.60	U
TCE	<0.60	U	<0.60	U	<0.60	U
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	8.2	**J**
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB04-CC-01	21-Apr-05		25-May-05		29-Jun-05	
PCE	<0.60	U	<0.60	U	<0.60	U
TCE	<0.60	U	<0.60	U	<0.60	U
cis-1,2-DCE	0.23	**J**	0.43	**J**	0.41	**J**
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	<5.0	U
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB04-CC-02	21-Apr-05		25-May-05		29-Jun-05	
PCE	<0.60	U	<0.60	U	<0.60	U
TCE	<0.60	U	<0.60	U	<0.60	U
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	7.6	**J**
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

WB04-CC-03	21-Apr-05		25-May-05		29-Jun-05	
PCE	<0.60	U	<0.60	U	<0.60	U
TCE	<0.60	U	<0.60	U	<0.60	U
cis-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
trans-1,2-DCE	<0.20	U	<0.20	U	<0.20	U
Acetone	<5.0	U	<5.0	U	<5.0	U
IPA	<5.0	U	<5.0	U	15	**J**
Toluene	<0.60	U	<0.60	U	<0.60	U
	µg/L					

As in previous quarters, detections of PCE and TCE occurred in all four WB wells, though not in every interval. The concentration trends show minor fluctuations as water levels declined through the quarter. Contaminant concentrations in WBs generally decrease with distance away from AOC 65.

Concentrations of PCE were highest in WB03. The maximum of 19,700 micrograms per liter (µg/L) was reported in WB03 interval UGR 01 in April 2005. The lowest PCE concentrations continue to be found in WB04. Sampled zones that were consistently non-detect for PCE this quarter were WB01 LGR-04 and WB01-LGR-05, and all WB04 zones except LGR-07 to LGR-10. TCE concentration trends are generally subdued reflections of the PCE trends. The maximum TCE concentration reported was 356 µg/L at WB03-UGR-01 in June. Detections of TCE were reported in all WB02 and WB03 sampled zones this quarter, and in all sampled WB01 zones except LGR-01 and LGR-04. At WB04 TCE was found in zones LGR 06 through LGR 10, and all these results are J-flagged except those from LGR-09, which range from 9.73 to 13.2 µg/L. In contrast to the on-post WB analytical results, WB04 TCE concentrations are generally equal to, or slightly greater than corresponding PCE levels, and are often accompanied by detections of *cis*-1,2-DCE, indicating some dechlorination has taken place.

4.2 Other COC Results

This quarter *cis*-1,2-DCE detections are shown in 5 WB03 intervals (UGR-01, LGR-02, -03, -04, -09), in 4 WB04 intervals (LGR-06, -07, -09, CC-01) , and in one WB01 interval (LGR-09). Only WB02 did not show any *cis*-1,2-DCE for the second quarter 2005. Most of the low concentrations of *cis*-1,2-DCE were detected in May or June when pressure heads were decreasing. Concentrations of *cis*-1,2-DCE ranged from 0.20 µg/L WB03-LGR-01 and -09, and WB04-LGR-09) to 11.7 µg/L in WB03-UGR-01.

Periodic acetone and IPA detections are reported in the WB03 and WB04 sample analyses results, though at a reduced frequency than in past quarters. In April only WB03 intervals had acetone or IPA detections. Acetone and IPA exhibited a very wide range of concentrations when detected, from 5.1 to 45.9 µg/L, and from 5.6 to 338 µg/L, respectively. WB01 and WB02 remained free of these two compounds for the entire second quarter.

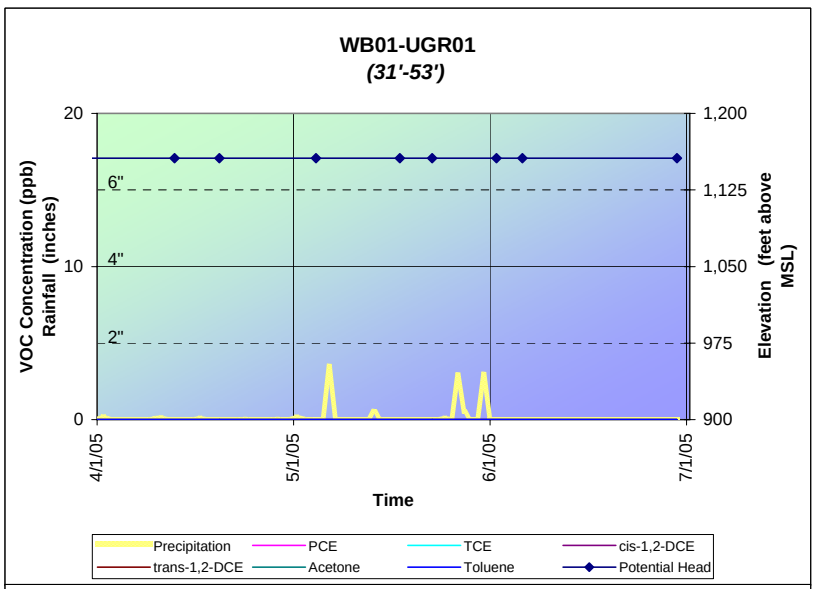
Parsons chemists and DHL Laboratories personnel conducted investigations and inspections at DHL to determine the source for the acetone and IPA detections. Laboratory QC issues were identified and the recommendation to remove acetone and IPA from the approved analyte list as detections were due to laboratory contamination was made. AFCEE chemists reviewed the results from the laboratory inspection and concurred that these COCs were detected as a result of laboratory contamination. The laboratory is reviewing its equipment decontamination procedures and requested additional air samples be collected during the next sampling event. Parsons personnel collected ambient air samples at one Westbay well and at equipment storage in May 2005. Results of the air sampling indicated that the acetone and IPA detections were not due to ambient air concentrations. Future investigations to be conducted include utilizing pre-preserved sample VOAs from a different vendor and indicating the order of filling of each VOA during sampling to help determine the source of the acetone and IPA.

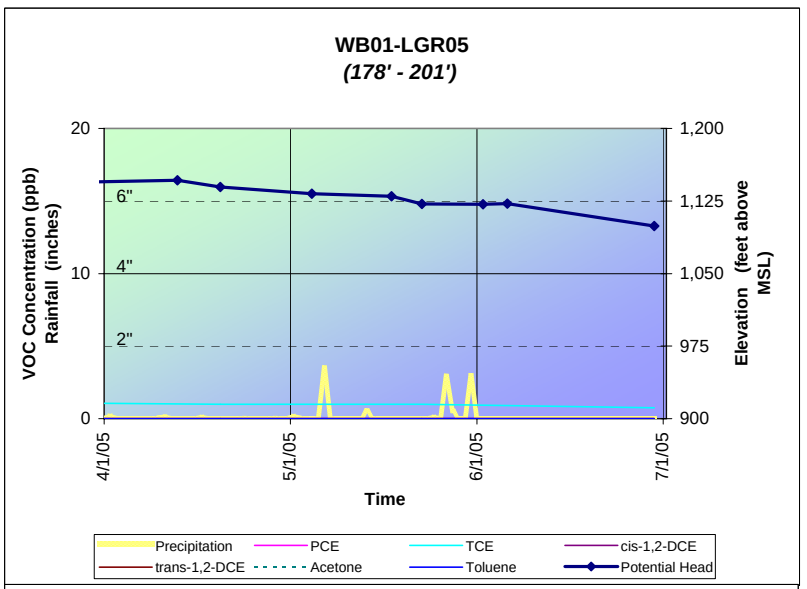
Second quarter 2005 analytical results show no detections of toluene, trans-1,2-DCE, and MEK in any WB groundwater samples.

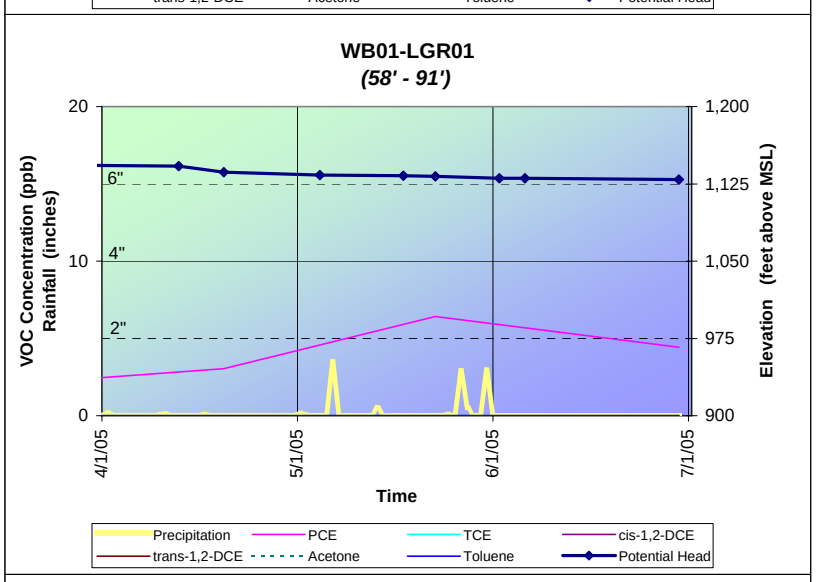
4.3 Profile Measurements

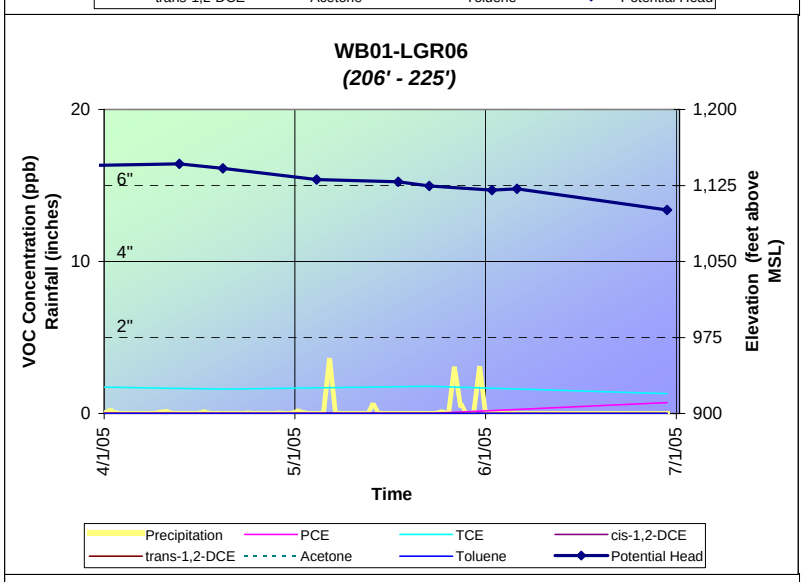
Second quarter pressure data converted to groundwater elevations for each of the WB wells are presented in Figure 4-1 through Figure 4-4. Water levels declined moderately from April through June 2005, from less than 0.1 feet/day in the shallowest zones up to approximately 0.8 feet/day in the lower LGR zones (09 – 11) and the BS and CC zones of WB04. Total decreases for the quarter ranged from approximately 2 feet in the LGR-01 horizon to 64.5 feet in the lower LGR zones (08-11), 62 feet in the BS, and 61.5 feet in the CC. The UGR zones at WB01, WB02, and WB04 remained dry this quarter. Only WB03-UGR contained water available for monitoring the UGR horizon. The LGR-02 interval was dry in WBs 02, 03, and 04 during monthly sampling at the end of June.

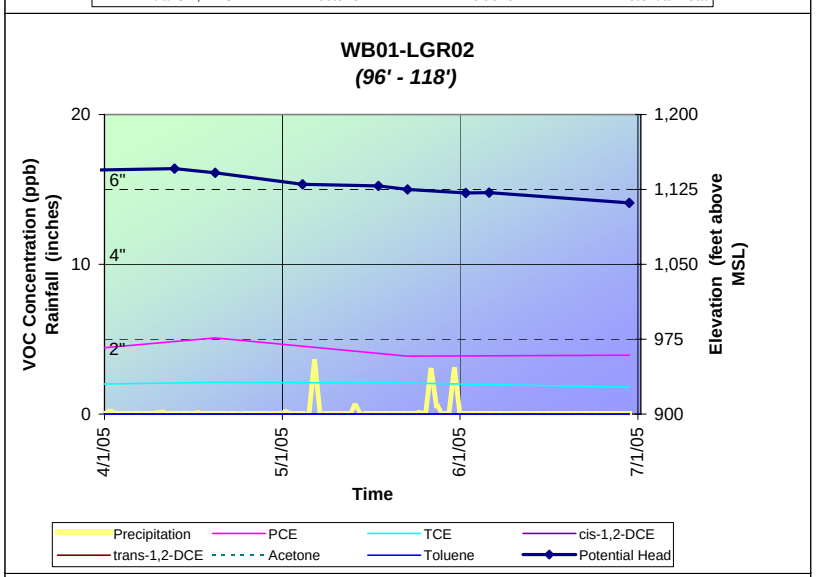
Figure 4-1 CS-WB01
Combined Concentration, Water Level, and Rainfall Data
Camp Stanley Storage Activity
Boerne, TX

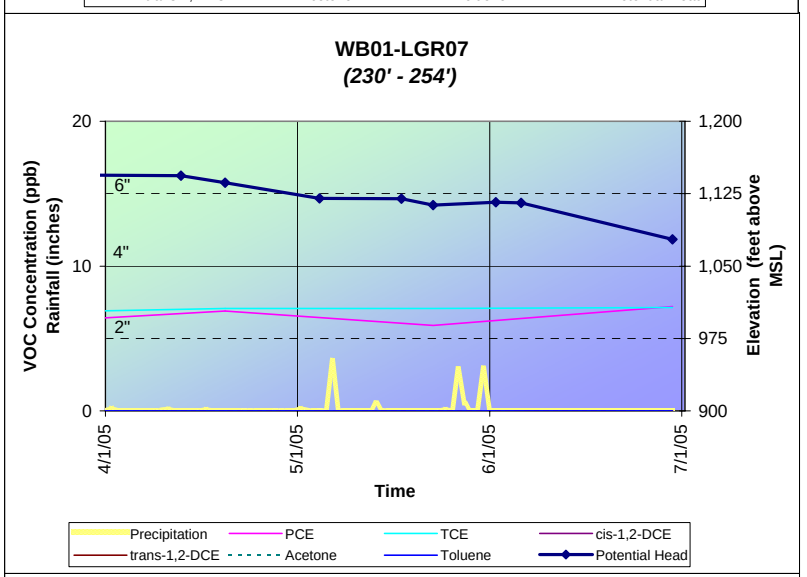


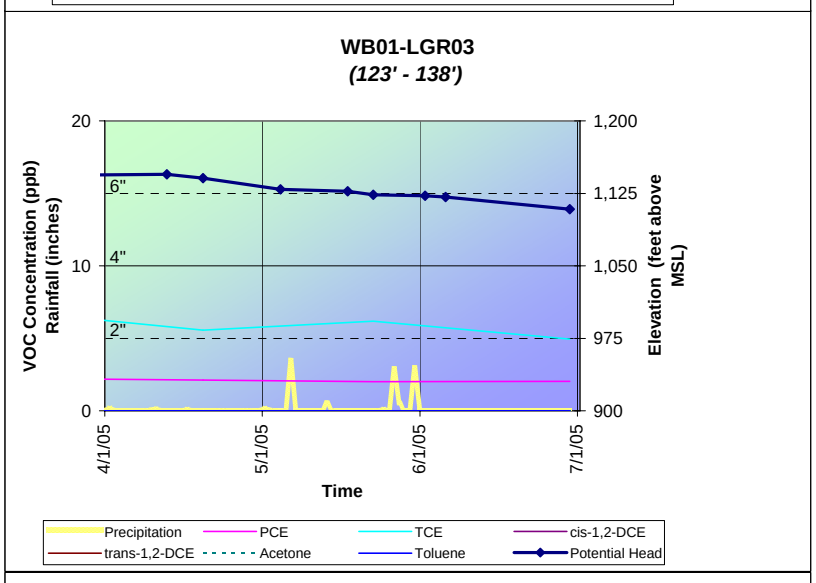


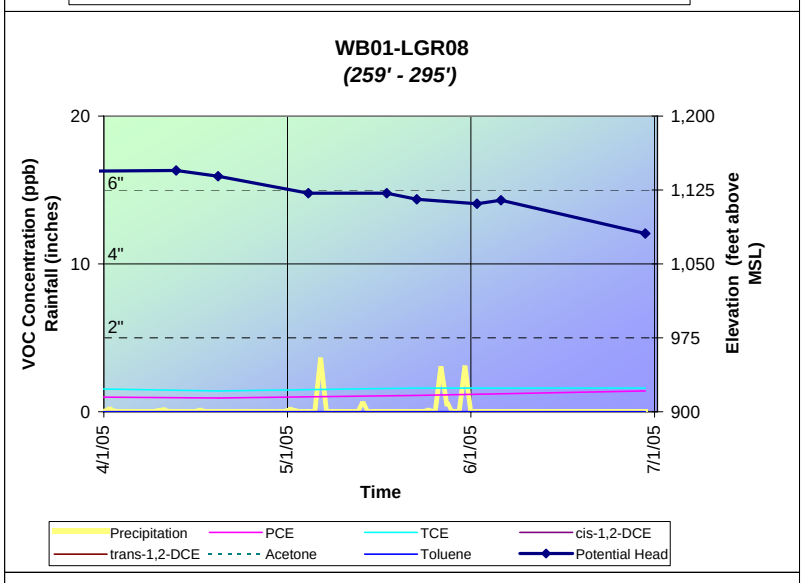


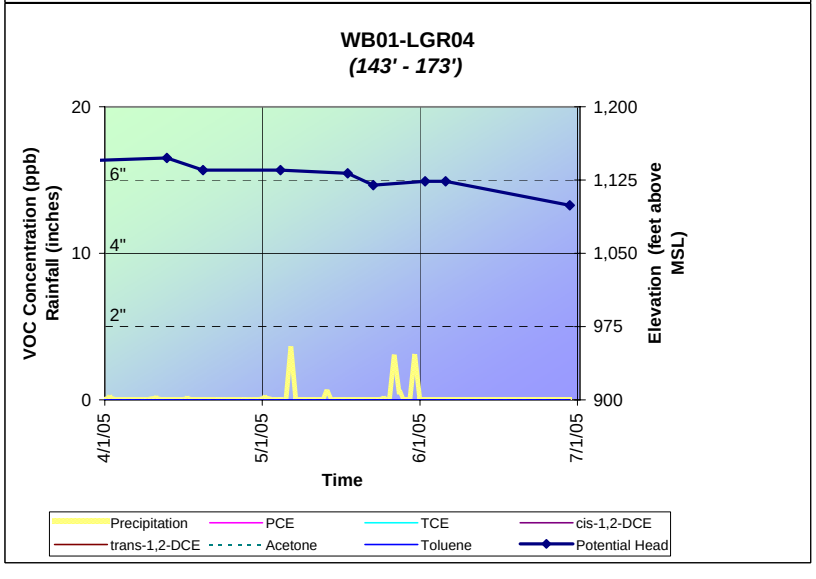












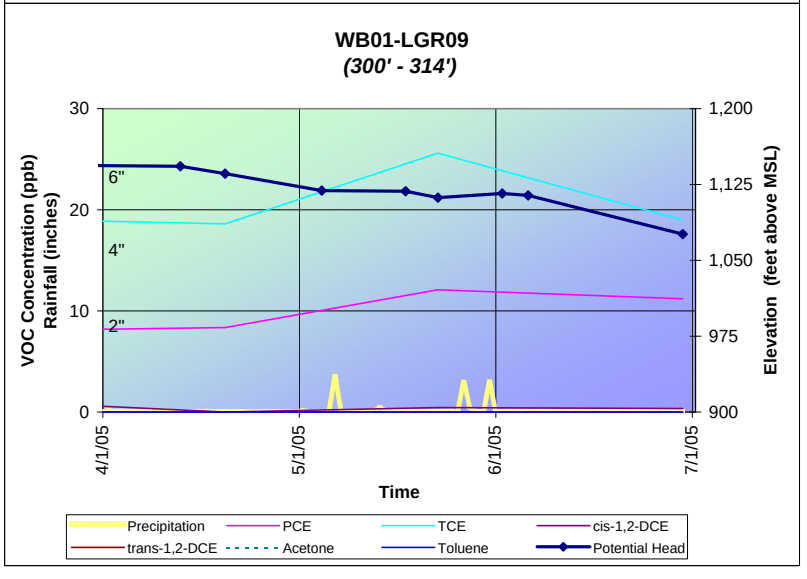
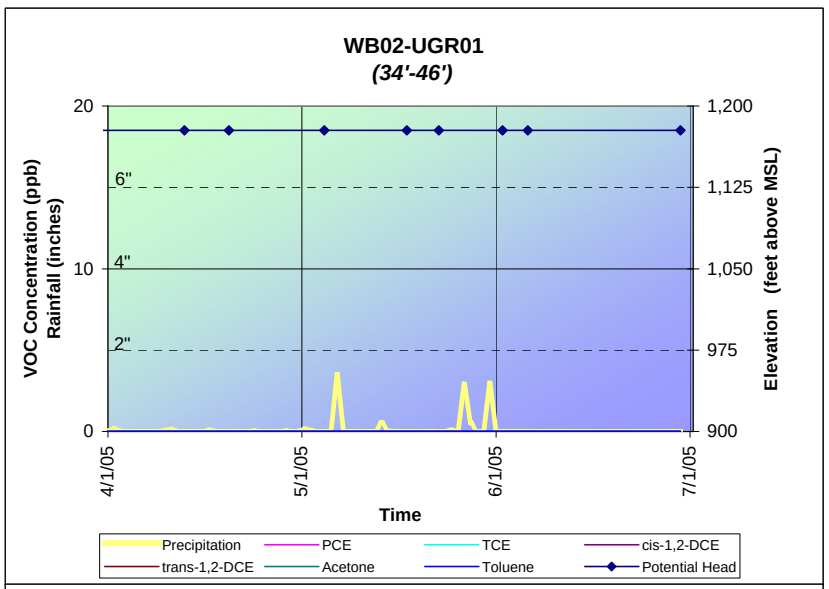
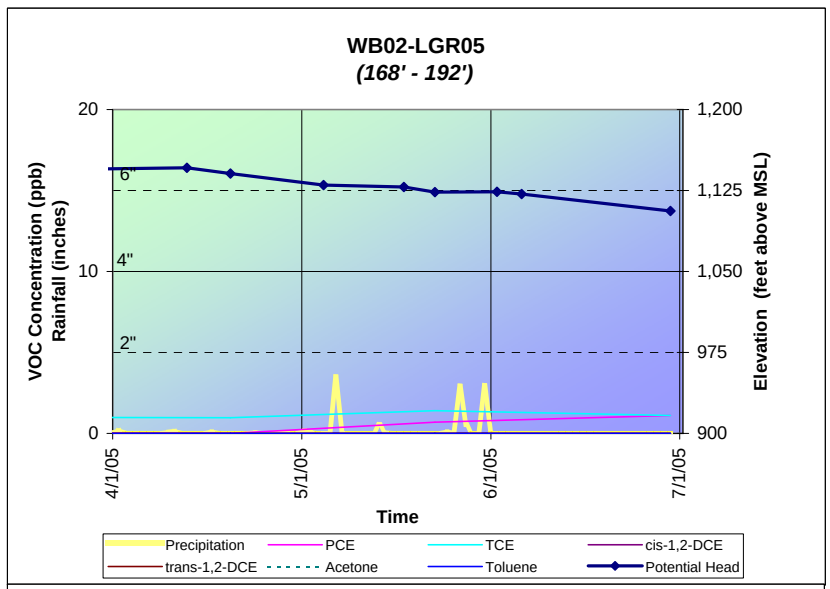
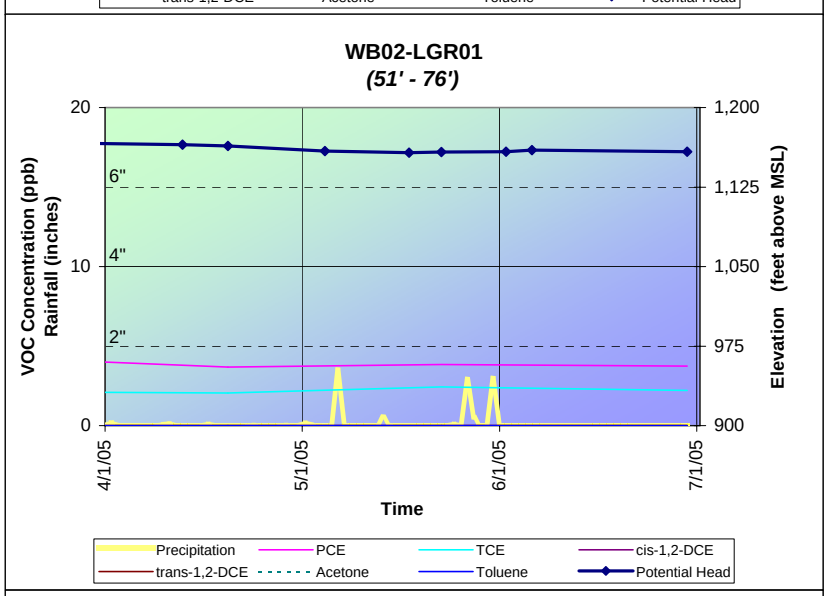
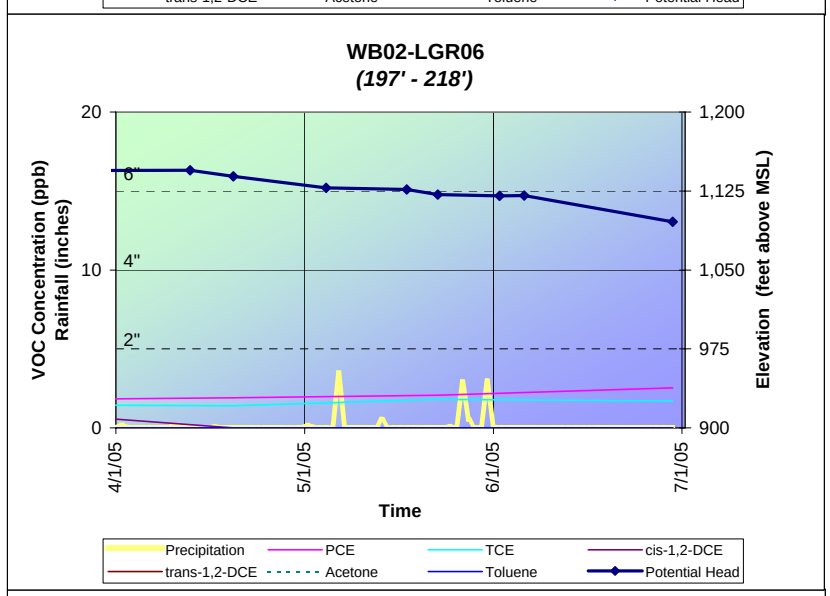


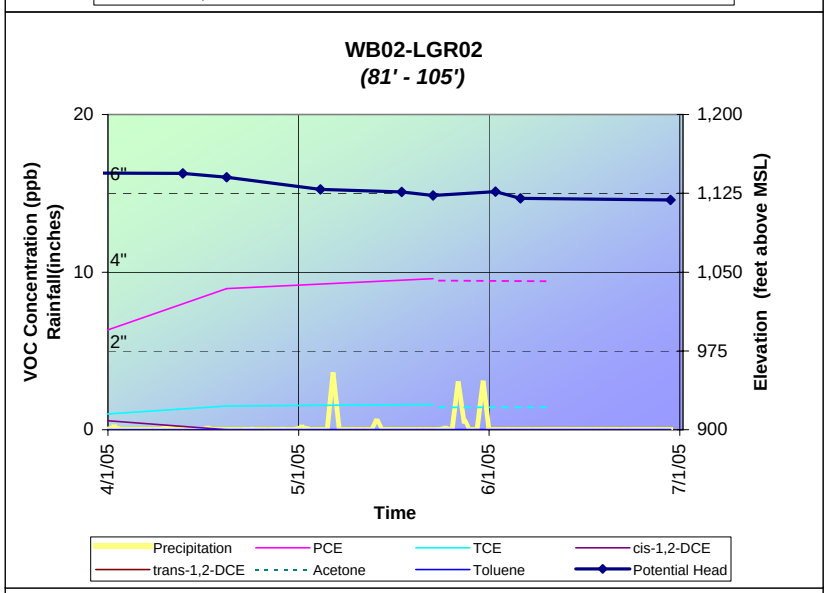
Figure 4-2 CS-WB02
Combined Concentration, Water Level, and Rainfall Data
Camp Stanley Storage Activity
Boerne, TX

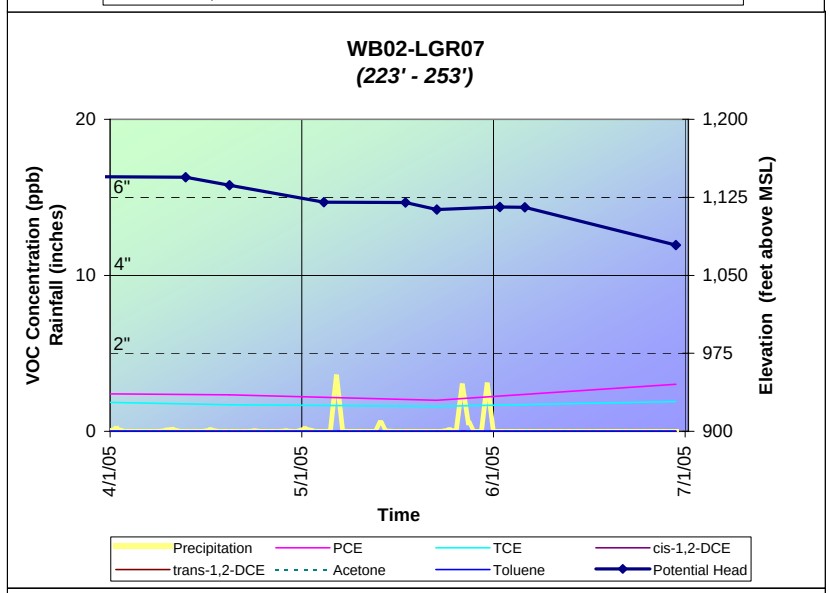


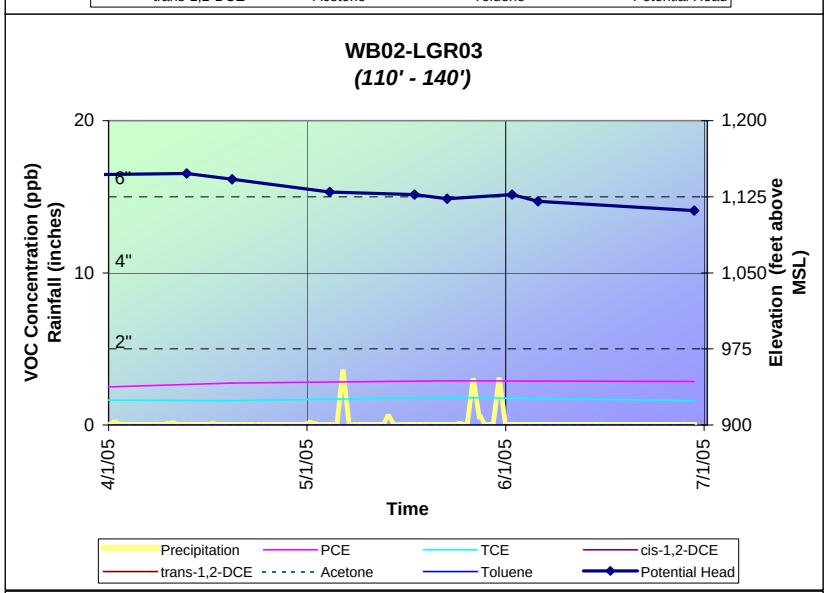


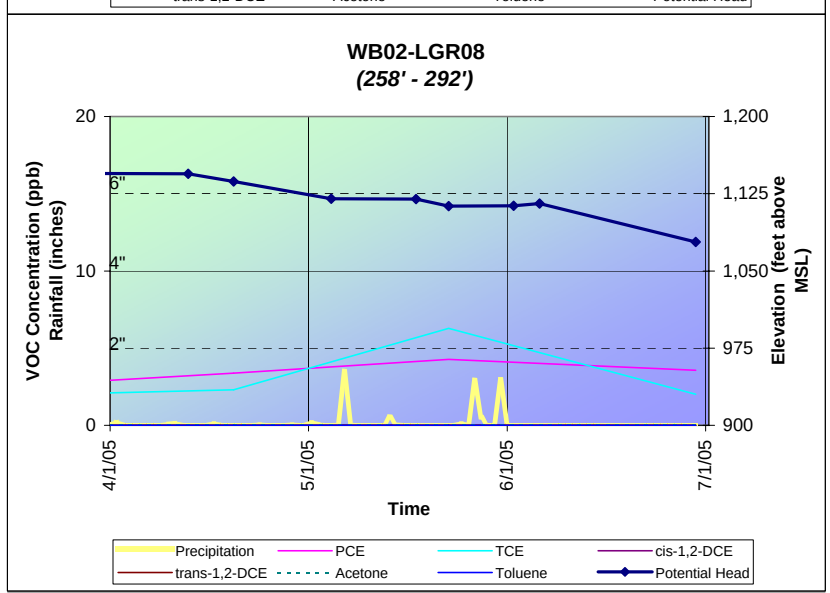


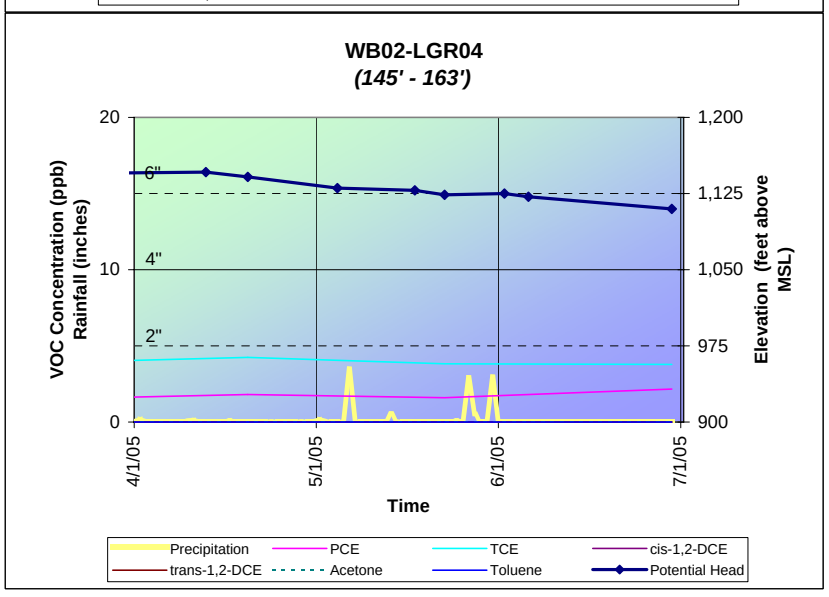












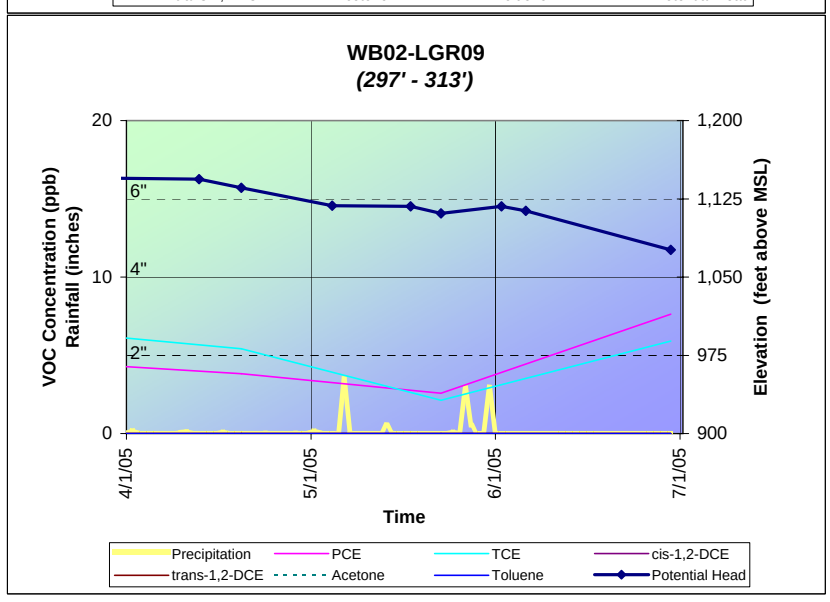
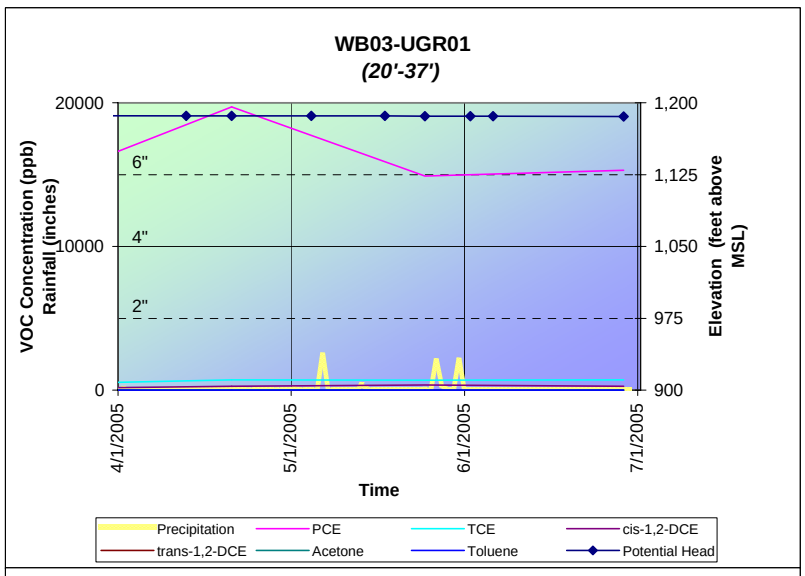
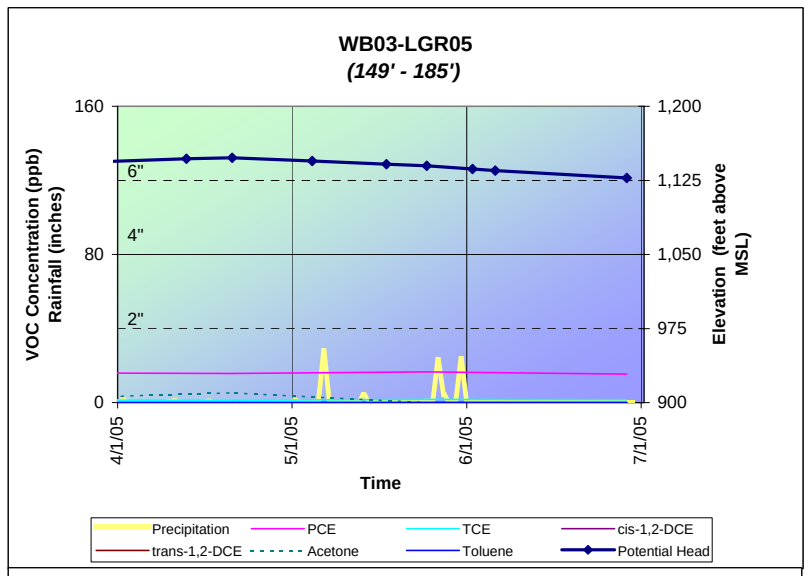
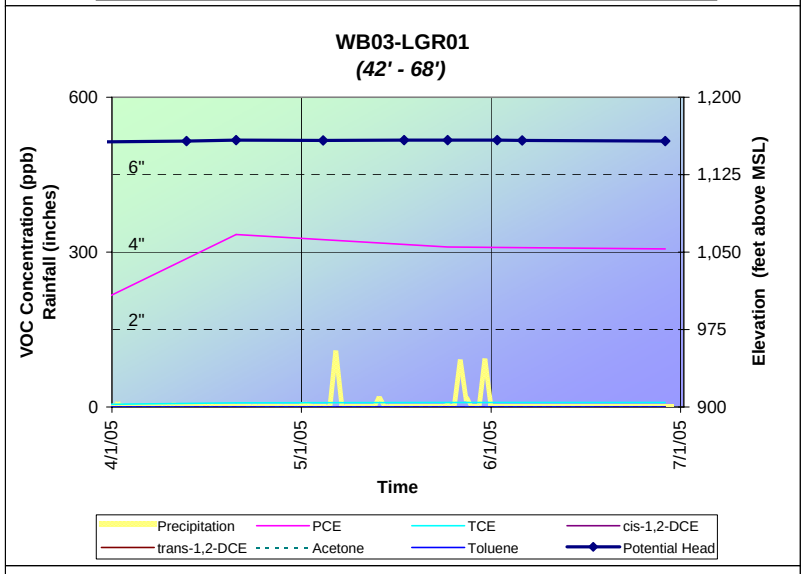
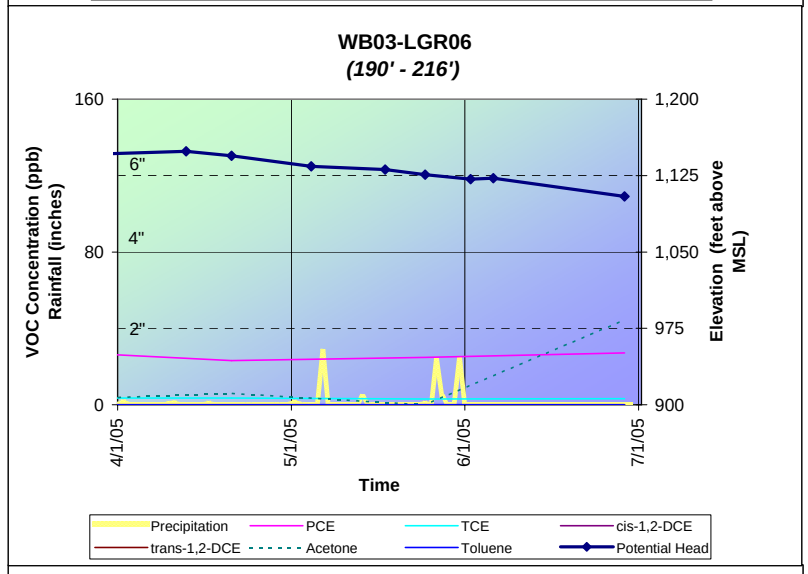


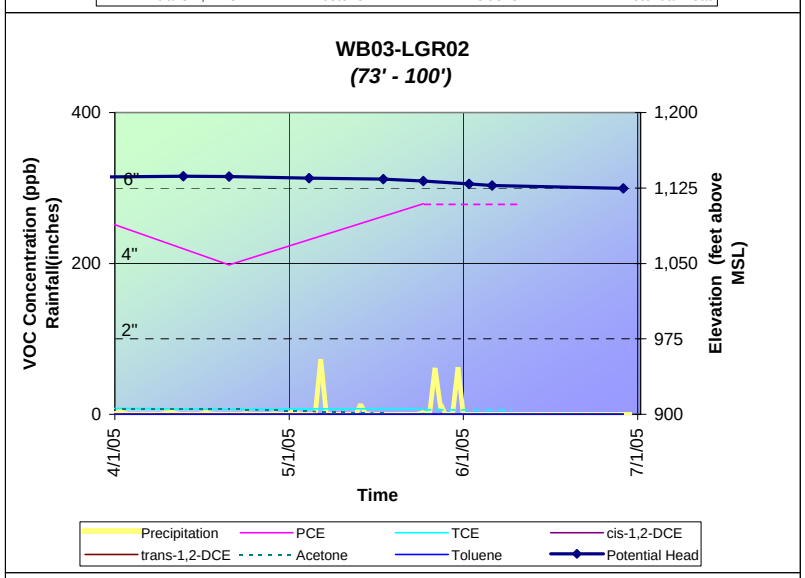
Figure 4-3 CS-WB03
Combined Concentration, Water Level, and Rainfall Data
Camp Stanley Storage Activity
Boerne, TX

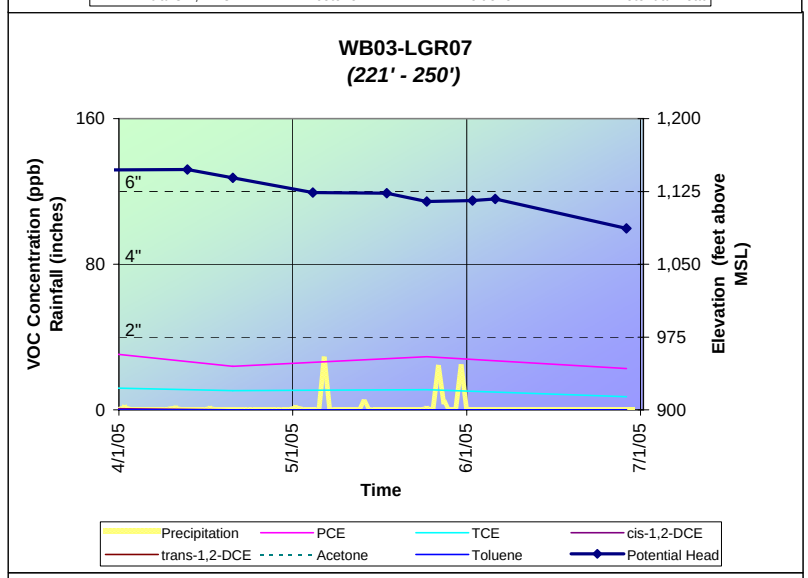


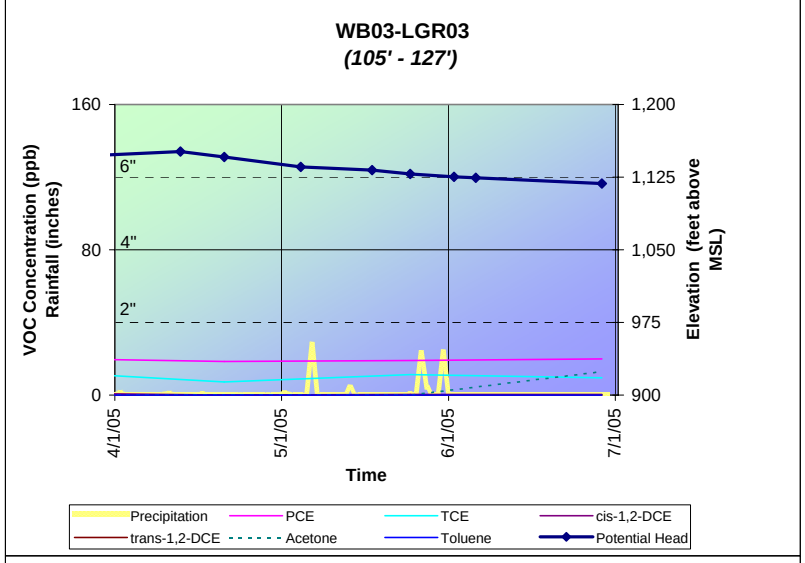


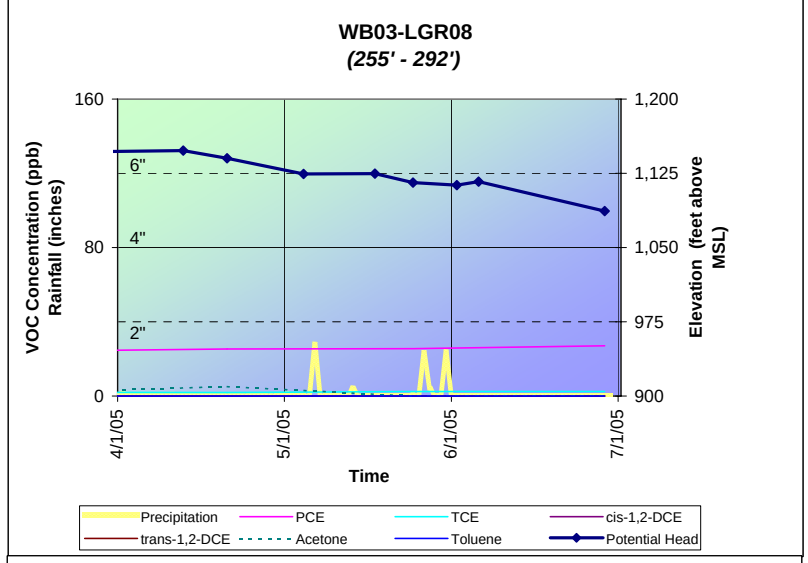


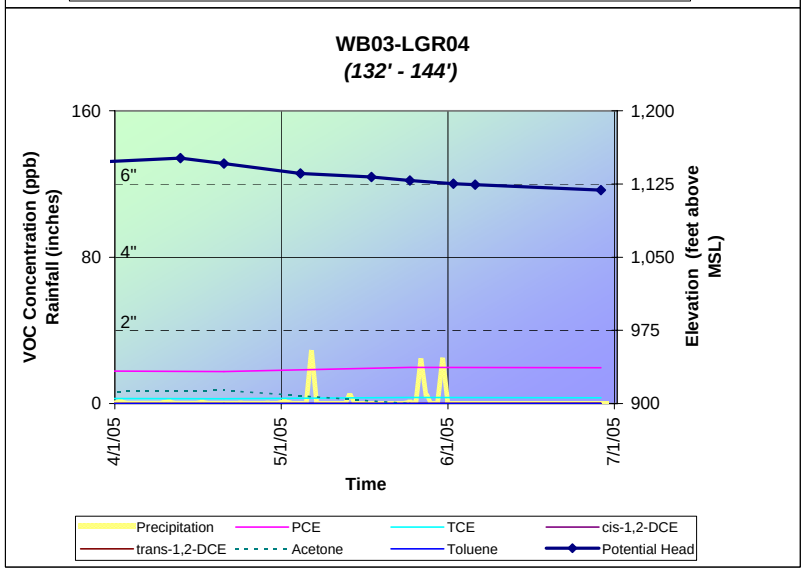












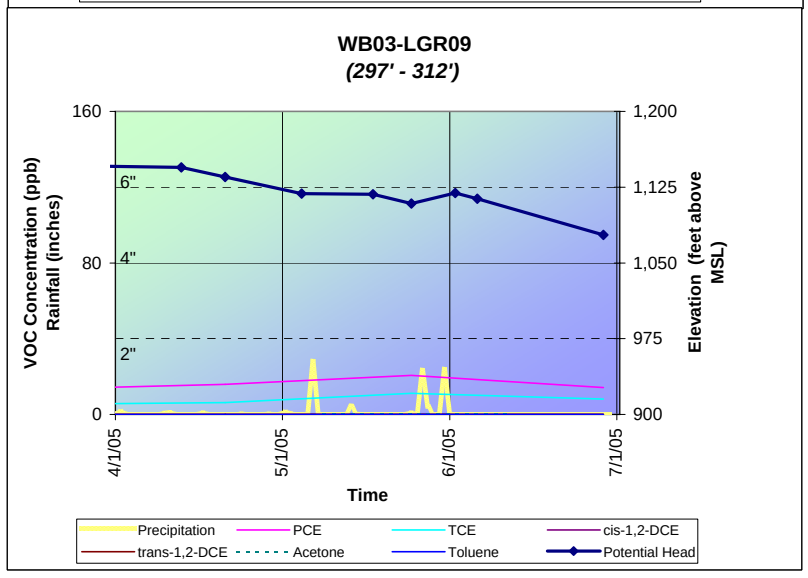
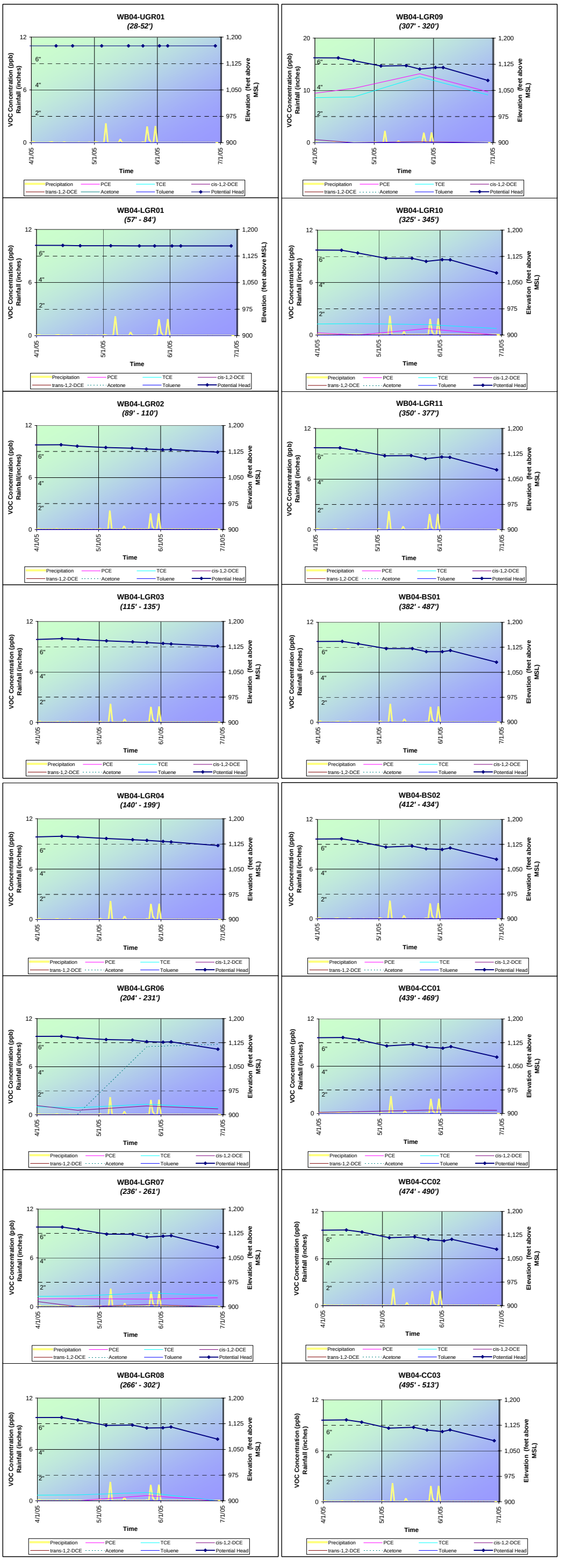


Figure 4-4 CS-WB04
Combined Concentration, Water Level, and Rainfall Data



5.0 JUNE 2005 ANALYTICAL RESULTS

On-post groundwater sampling was performed June 6, 2005 – June 16, 2005. Thirty-three on-post wells were sampled using dedicated low-flow pumps: CS-2, CS-4, CS-D, CS-MWG-LGR, CS-MW1-LGR, CS-MW1-BS, CS-MW1-CC, CS-MW2-LGR, CS-MW2-CC, CS-MW3-LGR, CS-MW4-LGR, CS-MW5-LGR, CS-MW6-LGR, CS-MW6-BS, CS-MW6-CC, CS-MW7-LGR, CS-MW7-CC, CS-MW8-LGR, CS-MW8-CC, CS-MW9-LGR, CS-MW9-BS, CS-MW9-CC, CS-MW10-LGR, CS-MW10-CC, CS-MW11A-LGR, CS-MW11B-LGR, CS-MW12-LGR, CS-MW12-BS, CS-MW12-CC, CS-MW16-LGR, CS-MW17-LGR, CS-MW18-LGR, and CS-MW19-LGR. Six wells, CS-1, CS-9, CS-10, CS-11, CS-MW16-CC and CS-MWH-LGR, were sampled using high capacity submersible pumps. One sample was collected from the windmill (CS-I) that was equipped with a solar-powered submersible pump in September 2003. Samples were collected after field parameters stabilized. A Troll 9000 used in conjunction with a Rugged Reader datalogger was used to record field parameters during purging.

The analytical program for on-post monitoring wells includes short-list VOC analysis for bromodichloromethane, bromoform, chloroform, dibromochloromethane, dichlorodifluoromethane, 1,1-dichloroethene (DCE), *cis*-1,2-DCE, *trans*-1,2-DCE, methylene chloride, naphthalene, PCE, TCE, toluene, and vinyl chloride. Samples from the drinking water supply wells (CS-1, CS-9, and CS-10) were analyzed for the full list of VOCs, as well as nine metals. On-post monitoring wells are analyzed for metals once annually. Metals that were sampled in on-post wells this event included: arsenic, cadmium, lead, barium, chromium, copper, nickel, zinc, and mercury. These nine metals were chosen based on CSSA's waste disposal records and process knowledge. As part of the June 2005 sampling event on-post monitoring wells were analyzed for the short list of VOC analytes and 9 CSSA metals.

Parsons data package numbers TO 0008 #147 through #151 containing the analytical results from this sampling event were received by Parsons from June 24, 2005 to July 5, 2005. Data validation was conducted and submitted to AFCEE on July 25, 2005. AFCEE approved the data packages on August 5, 2005. All detected concentrations of VOCs are presented in **Table 5-1**. Full analytical results are presented in **Appendix B**. Cumulative analytical results can be found in **Tables 6** and **7** of the **Introduction to the Quarterly Groundwater Monitoring Program** (Parsons, 2001) (**Volume 5, Groundwater**).

Table 5-1
June 2005 Quarterly Groundwater Detected Concentrations

			Sample ID	CS-2				CS-2				CS-4				CS-11				CS-D				CS-I				CS-MWG-LGR				CS-MWH-LGR				CS-MW1-LGR				CS-MW1-BS				CS-MW1-CC			
			Sample Date	06/14/05				06/14/05				06/14/05				06/16/05				06/08/05				06/06/05				06/07/05				06/06/05				06/13/05				06/13/05				06/13/05			
			Sample Type	N				FD				N				N				N				N				N				N				N				N				N			
			Lab Sample ID	D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398			
			Matrix	WG				WG				WG				WG				WG				WG				WG				WG				WG				WG				WG			
Method	Lab	Lab	MCL/																																												
Analyte (ug/L)	**MDL**	**RL**	**AL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**
SW6010B																																														
Barium	0.7	5	2000	**32.0**		0.7	1	**32.0**		0.7	1	**29.0**		0.7	1	**38.0**		0.7	1	**31.0**		0.7	1	**120.0**		0.7	1	**22.0**		0.7	1	**28.0**		0.7	1	**29.0**		0.7	1	**38.0**		0.7	1	**17.0**		0.7	1
Chromium	0.82	10	100	**1.9**	F	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	**0.92**	F	0.82	1	0.82	U	0.82	1	**1.2**	F	0.82	1	**6.6**	F	0.82	1	**4.8**	F	0.82	1	0.82	U	0.82	1	**1.4**	F	0.82	1
Copper	4.5	10	1300	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	**9.2**	F	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1
Nickel	1.2	10	--	1.2	U	1.2	1	**1.2**		1.2	1	1.2	U	1.2	1	1.2	U	1.2	1	**3.0**	F	1.2	1	1.2	U	1.2	1	**35.0**		1.2	1	**6.6**	F	1.2	1	**22.0**		1.2	1	4.4	U	4.4	1	**3.3**	F	1.2	1
Zinc	4.4	50	--	**5.2**	F	4.4	1	**9.7**	F	4.4	1	**11.0**	F	4.4	1	**1800.0**		4.4	1	**22.0**	F	4.4	1	**35.0**	F	4.4	1	**22.0**	F	4.4	1	**2000.0**		4.4	1	4.4	U	4.4	1	4.4	U	4.4	1	4.4	U	4.4	1
SW6020																																														
Arsenic	0.21	20	10	**0.69**	F	0.21	1	**0.75**	F	0.21	1	**0.51**	F	0.21	1	**0.47**	F	0.21	1	**0.46**	F	0.21	1	**0.31**	F	0.21	1	**0.38**	F	0.21	1	**0.74**	F	0.21	1	**0.56**	F	0.21	1	**2.6**	F	0.21	1	**0.38**	F	0.21	1
Cadmium	0.04	2	5	0.04	U	0.04	1	0.04	U	0.04	1	**0.059**	F	0.04	1	0.04	U	0.04	1	**0.093**	F	0.04	1	**0.089**	F	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1
Lead	0.09	2	15	**0.41**	F	0.09	1	**0.42**	F	0.09	1	**0.34**	F	0.09	1	**6.8**		0.09	1	**2.8**		0.09	1	**2.8**		0.09	1	**0.41**	F	0.09	1	**2.7**		0.09	1	**0.1**	F	0.09	1	**0.33**	F	0.09	1	**0.32**	F	0.09	1
SW7470A																																														
Mercury	0.044	1	2	**0.055**	F	0.044	1	0.044	U	0.044	1	**0.056**	F	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	**0.071**	F	0.044	1	**0.054**	F	0.044	1
SW8260B																																														
Chloroform	0.15	0.3	--	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	**0.2**	F	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1
Dichloroethene, 1,1-	0.17	1.2	7	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Dichloroethene, cis-1,2-	0.2	1.2	70	0.2	U	0.2	1	0.2	U	0.2	1	**0.41**	F	0.2	1	0.2	U	0.2	1	**230.0**		2.	10	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	**19.0**		0.2	1	**0.21**	F	0.2	1	0.2	U	0.2	1
Dichloroethene, trans-1,2-	0.16	0.6	100	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	**2.0**		0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	**0.25**	F	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1
Naphthalene	0.23	1	--	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	M	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1
Tetrachloroethene	0.17	1.4	5	**0.21**	F	0.17	1	**0.21**	F	0.17	1	**1.5**		0.17	1	0.17	U	0.17	1	**160.0**		1.7	10	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	**13.0**		0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Toluene	0.17	1.1	1000	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	**0.49**	F	0.17	1	0.17	U	0.17	1
Trichloroethene	0.16	1	5	0.16	U	0.16	1	0.16	U	0.16	1	**1.9**		0.16	1	0.16	U	0.16	1	**220.0**		1.6	10	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	**26.0**		0.16	1	0.16	U	0.16	1	0.16	U	0.16	1
Vinyl chloride	0.21	1.1	2	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1

			Sample ID	CS-MW2-LGR				CS-MW2-CC				CS-MW3-LGR				CS-MW4-LGR				CS-MW5-LGR				CS-MW5-LGR				CS-MW6-LGR				CS-MW6-BS				CS-MW6-CC				CS-MW6-CC				CS-MW7-LGR			
			Sample Date	06/08/05				06/08/05				06/07/05				06/08/05				06/08/05				06/08/05				06/09/05				06/09/05				06/09/05				06/09/05				06/13/05			
			Sample Type	N				N				N				N				N				FD				N				N				N				FD				N			
			Lab Sample ID	D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398			
			Matrix	WG				WG				WG				WG				WG				WG				WG				WG				WG				WG				WG			
Method	Lab	Lab	MCL/																																												
Analyte (ug/L)	**MDL**	**RL**	**AL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**
SW6010B																																														
Barium	0.7	5	2000	**120.0**		0.7	1	**17.0**		0.7	1	**28.0**		0.7	1	**54.0**		0.7	1	**30.0**		0.7	1	**27.0**		0.7	1	**38.0**		0.7	1	**39.0**		0.7	1	**38.0**		0.7	1	**38.0**		0.7	1	**40.0**		0.7	1
Chromium	0.82	10	100	**1.8**	F	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	**1.3**	F	0.82	1
Copper	4.5	10	1300	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1
Nickel	1.2	10	--	**3.9**	F	1.2	1	**2.6**	F	1.2	1	**1.4**	F	1.2	1	**2.7**	F	1.2	1	**8.6**	F	1.2	1	**8.3**	F	1.2	1	**4.6**	F	1.2	1	1.2	U	1.2	1	1.2	U	1.2	1	**1.4**	F	1.2	1	**1.4**	F	1.2	1
Zinc	4.4	50	--	**110.0**		4.4	1	**11.0**	F	4.4	1	**21.0**	F	4.4	1	**18.0**	F	4.4	1	**21.0**	F	4.4	1	**14.0**	F	4.4	1	**8.0**	F	4.4	1	4.4	U	4.4	1	**6.8**	F	4.4	1	4.4	U	4.4	1	**12.0**	F	4.4	1
SW6020																																														
Arsenic	0.21	20	10	**3.3**	F	0.21	1	**0.46**	F	0.21	1	**0.44**	F	0.21	1	**1.3**	F	0.21	1	**2.0**	F	0.21	1	**1.8**	F	0.21	1	**0.84**	F	0.21	1	**2.6**	F	0.21	1	**0.97**	F	0.21	1	**1.0**	F	0.21	1	**0.77**	F	0.21	1
Cadmium	0.04	2	5	**0.05**	F	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1
Lead	0.09	2	15	**3.6**		0.09	1	**0.2**	F	0.09	1	**0.14**	F	0.09	1	**0.24**	F	0.09	1	**0.14**	F	0.09	1	**0.45**	F	0.09	1	**0.22**	F	0.09	1	**0.11**	F	0.09	1	0.09	U	0.09	1	0.09	U	0.09	1	**0.51**	F	0.09	1
SW7470A																																														
Mercury	0.044	1	2	0.044	U	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	**0.045**	F	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	**0.082**	F	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	**0.067**	F	0.044	1
SW8260B																																														
Chloroform	0.15	0.3	--	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1
Dichloroethene, 1,1-	0.17	1.2	7	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Dichloroethene, cis-1,2-	0.2	1.2	70	**4.1**		0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	**1.2**		0.2	1	**1.2**		0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1
Dichloroethene, trans-1,2-	0.16	0.6	100	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1
Naphthalene	0.23	1	--	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	M	0.23	1	0.23	M	0.23	1	0.23	M	0.23	1	0.23	M	0.23	1	0.23	U	0.23	1
Tetrachloroethene	0.17	1.4	5	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	**0.77**	F	0.17	1	**0.76**	F	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Toluene	0.17	1.1	1000	**0.26**	F	0.17	1	**0.36**	F	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Trichloroethene	0.16	1	5	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	**1.0**		0.16	1	**0.98**	F	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1
Vinyl chloride	0.21	1.1	2	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1

Table 5-1
June 2005 Quarterly Groundwater Detected Concentrations

				Sample ID	CS-MW7-CC				CS-MW8-LGR				CS-MW8-CC				CS-MW9-LGR				CS-MW9-BS				CS-MW9-CC			
				Sample Date	06/13/05				06/09/05				06/09/05				06/10/05				06/10/05				06/10/05			
				Sample Type	N				N				N				N				N				N			
				Lab Sample ID	D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398			
				Matrix	WG				WG				WG				WG				WG				WG			
Method	Lab	Lab	MCL/																									
Analyte (ug/L)	**MDL**	**RL**	**AL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**
SW6010B																											
Barium	0.7	5	2000	**27.0**		0.7	1	**36.0**		0.7	1	**30.0**		0.7	1	**31.0**		0.7	1	**79.0**		0.7	1	**19.0**		0.7	1
Chromium	0.82	10	100	0.82 U		0.82	1	**2.1**	F	0.82	1	0.82 U		0.82	1	**3.5**	F	0.82	1	0.82 U		0.82	1	0.82 U		0.82	1
Copper	4.5	10	1300	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1
Nickel	1.2	10	--	1.2 U		1.2	1	**1.7**	F	1.2	1	1.2 U		1.2	1	**52.0**		1.2	1	1.2 U		1.2	1	1.2 U		1.2	1
Zinc	4.4	50	--	4.4 U		4.4	1	**18.0**	F	4.4	1	4.4 U		4.4	1	**18.0**	F	4.4	1	**36.0**	F	4.4	1	4.4 U		4.4	1
SW6020																											
Arsenic	0.21	20	10	**1.2**	F	0.21	1	**0.97**	F	0.21	1	**2.4**	F	0.21	1	**0.57**	F	0.21	1	**2.4**	F	0.21	1	**0.54**	F	0.21	1
Cadmium	0.04	2	5	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1
Lead	0.09	2	15	**0.72**	F	0.09	1	**0.33**	F	0.09	1	**0.15**	F	0.09	1	**0.19**	F	0.09	1	**4.1**		0.09	1	**0.19**	F	0.09	1
SW7470A																											
Mercury	0.044	1	2	**0.052**	F	0.044	1	0.044 U		0.044	1	0.044 U		0.044	1	0.044 U		0.044	1	0.044 U		0.044	1	**0.08**	F	0.044	1
SW8260B																											
Chloroform	0.15	0.3	--	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1
Dichloroethene, 1,1-	0.17	1.2	7	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Dichloroethene, cis-1,2-	0.2	1.2	70	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1
Dichloroethene, trans-1,2-	0.16	0.6	100	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1
Naphthalene	0.23	1	--	0.23 U		0.23	1	0.23 M		0.23	1	0.23 M		0.23	1	0.23 M		0.23	1	0.23 M		0.23	1	0.23 M		0.23	1
Tetrachloroethene	0.17	1.4	5	0.17 U		0.17	1	**0.65**	F	0.17	1	**0.4**	F	0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Toluene	0.17	1.1	1000	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Trichloroethene	0.16	1	5	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1
Vinyl chloride	0.21	1.1	2	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1

				Sample ID	CS-MW9-LGR				CS-MW10-LGR				CS-MW10-CC				CS-MW11A-LGR				CS-MW11B-LGR				CS-MW12-LGR			
				Sample Date	06/10/05				06/09/05				06/09/05				06/16/05				06/14/05				06/14/05			
				Sample Type	N				N				N				N				N				N			
				Lab Sample ID	D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398			
				Matrix	WG				WG				WG				WG				WG				WG			
Method	Lab	Lab	MCL/																									
Analyte (ug/L)	**MDL**	**RL**	**AL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**
SW6010B																											
Barium	0.7	5	2000	**31.0**		0.7	1	**48.0**		0.7	1	**30.0**		0.7	1	**30.0**		0.7	1	**32.0**		0.7	1	**34.0**		0.7	1
Chromium	0.82	10	100	**3.5**	F	0.82	1	0.82 U		0.82	1	0.82 U		0.82	1	0.82 U		0.82	1	**2.1**	F	0.82	1	0.82 U		0.82	1
Copper	4.5	10	1300	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1
Nickel	1.2	10	--	**52.0**		1.2	1	**1.4**	F	1.2	1	**3.2**	F	1.2	1	**2.2**	F	1.2	1	**12.0**		1.2	1	**2.5**	F	1.2	1
Zinc	4.4	50	--	**18.0**	F	4.4	1	4.4 U		4.4	1	4.4 U		4.4	1	**10.0**	F	4.4	1	**6.7**	F	4.4	1	**8.2**	F	4.4	1
SW6020																											
Arsenic	0.21	20	10	**0.54**	F	0.21	1	**0.84**	F	0.21	1	**2.8**	F	0.21	1	**0.59**	F	0.21	1	**0.48**	F	0.21	1	**0.48**	F	0.21	1
Cadmium	0.04	2	5	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1
Lead	0.09	2	15	**0.19**	F	0.09	1	0.09 U		0.09	1	**0.096**	F	0.09	1	0.09 U		0.09	1	**0.35**	F	0.09	1	0.09		0.09	1
SW7470A																											
Mercury	0.044	1	2	0.044 U		0.044	1	0.044 U		0.044	1	0.044 U		0.044	1	0.044 U		0.044	1	**0.06**	F	0.044	1	**0.049**	F	0.044	1
SW8260B																											
Chloroform	0.15	0.3	--	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1
Dichloroethene, 1,1-	0.17	1.2	7	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Dichloroethene, cis-1,2-	0.2	1.2	70	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1
Dichloroethene, trans-1,2-	0.16	0.6	100	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1
Naphthalene	0.23	1	--	0.23 U		0.23	1	0.23 M		0.23	1	0.23 M		0.23	1	0.23 M		0.23	1	0.23 U		0.23	1	0.23 M		0.23	1
Tetrachloroethene	0.17	1.4	5	0.17 U		0.17	1	**2.2**		0.17	1	0.17 U		0.17	1	**0.26**	F	0.17	1	**1.4**		0.17	1	0.17 U		0.17	1
Toluene	0.17	1.1	1000	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Trichloroethene	0.16	1	5	0.16 U		0.16	1	**0.41**	F	0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1
Vinyl chloride	0.21	1.1	2	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1

				Sample ID	CS-MW12-BS				CS-MW12-CC				CS-MW16-LGR				CS-MW16-CC				CS-MW17-LGR				CS-MW18-LGR			
				Sample Date	06/14/05				06/16/05				06/08/05				06/08/05				06/07/05				06/14/05			
				Sample Type	N				N				N				N				N				N			
				Lab Sample ID	D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398			
				Matrix	WG				WG				WG				WG				WG				WG			
Method	Lab	Lab	MCL/																									
Analyte (ug/L)	**MDL**	**RL**	**AL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**
SW6010B																											
Barium	0.7	5	2000	**12.0**		0.7	1	**69.0**		0.7	1	**37.0**		0.7	1	**23.0**		0.7	1	**36.0**		0.7	1	**41.0**		0.7	1
Chromium	0.82	10	100	0.82 U		0.82	1	**2.0**	F	0.82	1	0.82 U		0.82	1	0.82 U		0.82	1	**1.0**	F	0.82	1	0.82 U		0.82	1
Copper	4.5	10	1300	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1
Nickel	1.2	10	--	**7.3**	F	1.2	1	**2.9**	F	1.2	1	1.2 U		1.2	1	**4.3**	F	1.2	1	**7.0**	F	1.2	1	**10.0**		1.2	1
Zinc	4.4	50	--	**8.8**	F	4.4	1	**72.0**		4.4	1	**320.0**		4.4	1	**40.0**	F	4.4	1	**10.0**	F	4.4	1	**6.9**	F	4.4	1
SW6020																											
Arsenic	0.21	20	10	**1.1**	F	0.21	1	**1.4**	F	0.21	1	**0.42**	F	0.21	1	**0.43**	F	0.21	1	**0.58**	F	0.21	1	**0.78**	F	0.21	1
Cadmium	0.04	2	5	0.04 U		0.04	1	0.04 U		0.04	1	**0.093**	F	0.04	1	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1
Lead	0.09	2	15	**0.28**	F	0.09	1	**0.55**	F	0.09	1	**0.56**	F	0.09	1	**0.94**	F	0.09	1	**0.092**	F	0.09	1	**0.18**	F	0.09	1
SW7470A																											
Mercury	0.044	1	2	**0.049**	F	0.044	1	0.044 U		0.044	1	0.044 U		0.044	1	0.044 U		0.044	1	0.044 U		0.044	1	**0.056**	F	0.044	1
SW8260B																											
Chloroform	0.15	0.3	--	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1
Dichloroethene, 1,1-	0.17	1.2	7	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	**0.37**	F	0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Dichloroethene, cis-1,2-	0.2	1.2	70	0.2 U		0.2	1	0.2 U		0.2	1	**17.0**		0.2	1	**71.0**		0.4	2	0.2 U		0.2	1	0.2 U		0.2	1
Dichloroethene, trans-1,2-	0.16	0.6	100	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	**1.1**		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1
Naphthalene	0.23	1	--	0.23 U		0.23	1	0.23 M		0.23	1	0.23 U		0.23	1	0.23 U		0.23	1	0.23 U		0.23	1	0.23 U		0.23	1
Tetrachloroethene	0.17	1.4	5	0.17 U		0.17	1	0.17 U		0.17	1	**18.0**		0.17	1	**25.0**		0.17	1	**0.24**	F	0.17	1	0.17 U		0.17	1
Toluene	0.17	1.1	1000	0.17 U		0.17	1	**0.2**	F	0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Trichloroethene	0.16	1	5	0.16 U		0.16	1	0.16 U		0.16	1	**19.0**		0.16	1	**74.0**		0.32	2	0.16 U		0.16	1	0.16 U		0.16	1
Vinyl chloride	0.21	1.1	2	**0.25**	F	0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1

				Sample ID	CS-MW19-LGR				CS-MW19-LGR			
				Sample Date	06/16/05				06/16/05			
				Sample Type	N				FD			
				Lab Sample ID	D5F170398				D5F170398			
				Matrix	WG				WG			
Method	Lab	Lab	MCL/									
Analyte (ug/L)	**MDL**	**RL**	**AL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**
SW6010B											
Barium	0.7	5	2000	**37.0**		0.7	1	**39.0**		0.7	1
Chromium	0.82	10	100	**2.1**	F	0.82	1	**2.0**	F	0.82	1
Copper	4.5	10	1300	4.5 U		4.5	1	4.5 U		4.5	1
Nickel	1.2	10	--	**110.0**		1.2	1	**110.0**		1.2	1
Zinc	4.4	50	--	**24.0**	F	4.4	1	**25.0**	F	4.4	1
SW6020											
Arsenic	0.21	20	10	**0.58**	F	0.21	1	**0.68**	F	0.21	1
Cadmium	0.04	2	5	0.04 U		0.04	1	0.04 U		0.04	1
Lead	0.09	2	15	0.09 U		0.09	1	**0.1**	F	0.09	1
SW7470A											
Mercury	0.044	1	2	0.044 U		0.044	1	0.044 U		0.044	1
SW8260B											
Chloroform	0.15	0.3	--	0.15 U		0.15	1	0.15 U		0.15	1
Dichloroethene, 1,1-	0.17	1.2	7	0.17 U		0.17	1	0.17 U		0.17	1
Dichloroethene, cis-1,2-	0.2	1.2	70	0.2 U		0.2	1	0.2 U		0.2	1
Dichloroethene, trans-1,2-	0.16	0.6	100	0.16 U		0.16	1	0.16 U		0.16	1
Naphthalene	0.23	1	--	0.23 M		0.23	1	0.23 M		0.23	1
Tetrachloroethene	0.17	1.4	5	**0.45**	F	0.17	1	**0.44**	F	0.17	1
Toluene	0.17	1.1	1000	0.17 U		0.17	1	0.17 U		0.17	1
Trichloroethene	0.16	1	5	0.16 U		0.16	1	0.16 U		0.16	1
Vinyl chloride	0.21	1.1	2	0.21 U		0.21	1	0.21 U		0.21	1

Table 5-1
June 2005 Quarterly Groundwater Detected Concentrations

			Sample ID	CS-1				CS-10				CS-9			
			Sample Date	06/15/05				06/15/05				06/15/05			
			Sample Type	N				N				N			
			Lab Sample ID	D5F170398				D5F170398				D5F170398			
			Matrix	WG				WG				WG			
Method **Analyte (ug/L)**	**Lab MDL**	**Lab RL**	**MCL/ AL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**
SW6010B															
Barium	0.7	5	2000	**36.0**		0.7	1	**37.0**		0.7	1	**36.0**		0.7	1
Copper	4.5	10	1300	4.5	U	4.5	1	**8.3**	F	4.5	1	4.5	U	4.5	1
Nickel	1.2	10	--	**1.7**	F	1.2	1	**2.2**	F	1.2	1	1.2	U	1.2	1
Zinc	4.4	50	--	**300.0**		4.4	1	**23.0**	F	4.4	1	**99.0**		4.4	1
SW6020															
Arsenic	0.21	20	50	**0.67**	F	0.21	1	**0.68**	F	0.21	1	**0.41**	F	0.21	1
Lead	0.1	2.0	15	**5.2**		0.09	1	**1.5**	F	0.09	1	**0.56**	F	0.09	1
SW7470A															
Mercury	0.044	1	2	0.044	U	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1
SW8260B															
Chloroform	0.15	0.3	--	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1
Dichloroethene, 1,1-	0.17	1.2	7	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Dichloroethene, cis-1,2-	0.2	1.2	70	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1
Dichloroethene, trans-1,2-	0.16	0.6	100	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1
Naphthalene	0.23	1	--	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1
Tetrachloroethene	0.17	1.4	5	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Toluene	0.17	1.1	1000	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Trichloroethene	0.16	1	5	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1
Vinyl chloride	0.21	1.1	2	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1

Tables present all laboratory results.
All samples were analyzed by Severn Trent Laboratories (STL).

Abbreviations/Notes:

FD	Field Duplicate
MDL	Method Detection Limit
N	Environmental Sample
SQL	Sample Quantitation Limit
DL	Dilution

Data Qualifiers:
F- The analyte was positively identified but the associated numerical value is below the RL.
J - The analyte was positively identified, the quantitation is an estimation.
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.
M- Matrix Effect Present

Bolded results indicate the analyte was detected.
Bolded and boxed results indicate results > RL.
Bolded and shaded results indicate results > MCL.

5.1 Volatile Organic Compound Results

5.1.1 MCL Exceedances in Monitoring Wells

MCLs were exceeded in wells CS-MW16-LGR (formerly well CS-16), CS-MW16-CC, CS-MW1-LGR and CS-D in the June 2005 event. The detected concentrations are summarized as follows:

- CS-D – Concentrations of PCE (160 µg/L), TCE (220 µg/L), and *cis*-1,2-DCE (230 µg/L) all exceeded applicable MCLs. Also detected were *trans*-1,2-DCE (2.0 µg/L) and chloroform (0.20 µg/L), which were below the RL.
- CS-MW16-LGR – Concentrations of PCE (18.0 µg/L), and TCE (19.0 µg/L) exceeded the applicable MCL. Also detected was *cis*-1,2-DCE (17.0 µg/L) above the RL.
- CS-MW16-CC – Concentrations of PCE (25 µg/L), TCE (74 µg/L), and *cis*-1,2-DCE (71 µg/L), exceeded the applicable MCL. Also detected were *trans*-1,2-DCE (1.1 µg/L) above the RL and 1,1-DCE (0.37 µg/L) below the RL.
- CS-MW1-LGR – PCE (13.0 µg/L) and TCE (26.0 µg/L) concentrations were above the applicable MCL. Also detected was *cis*-1,2-DCE at 19.0 µg/L, above the RL and trans-1,2-DCE (0.25 µg/L) below the RL.

Wells in which the COCs have historically exceeded the MCLs were plotted for the most recent two years' concentrations and are shown in **Figure 5-1.** CS-MW16-LGR concentrations from the June 2005 event decreased since March 2005. In June 2005 concentrations in well CS-D increased but are still below the maximum detection that occurred in December 2003. In June 2005 the concentrations in well CS-MW2-LGR remained below MCL while concentrations in well CS-MW1-LGR decreased. A long term monitoring optimization study has been conducted for the CSSA groundwater monitoring program and submitted to the EPA and TCEQ on May 18, 2005. This study evaluated sampling frequency and results to refine the monitoring program and eliminate redundancy. Upon approval by regulatory agencies, the recommendations of the LTMO study will be implemented.

5.1.2 Toluene and Methylene Chloride Detections

Methylene chloride has been reported periodically in samples from both on- and off-post wells since 1992. Each time methylene chloride was detected, it was also present in the analysis method blank, indicating the analyte was introduced as a laboratory contaminant and was not present in the groundwater. Methylene chloride is considered a common laboratory contaminant and there are no known historical uses of methylene chloride on-post. Methylene chloride was not detected in any samples during the June 2005 sampling event.

Toluene was detected in the June 2005 sampling event at concentrations ranging from 0.20 µg/L to 0.41 µg/L in wells CS-MW1-BS, CS-MW2-LGR, CS-MW2-CC, and CS-MW12-CC. These levels were below the applicable maximum contaminant level (MCL) for toluene in drinking water (1,000 µg/L). Toluene has been detected sporadically in on-post wells since March 2003.

5.1.3 Detections Below the MCL in Monitoring Wells

Additional wells had detections of COCs below applicable MCLs. These wells are monitoring wells installed as part of the ongoing groundwater investigation. Detections of methylene chloride and/or toluene are not discussed as additional information has been provided previously in **Section 5.1.1**.

Well CS-4 reported PCE at a concentration of 1.5 µg/L, TCE (1.9 µg/L) and *cis*-1,2-DCE (0.41 µg/L), above the RL. PCE and TCE have been detected in this well since 1992. June 2004 was the first time concentrations have exceeded the applicable MCLs.

Wells CS-MWG-LGR and CS-MWH-LGR reported no VOC detections this quarter. Well CS-2 had a detection of PCE at 0.21 µg/L, below the RL. The field duplicate had the same result. This is the first detection of PCE after having no detections in the last two quarterly events.

CS-MW1-BS had a detection of *cis*-1,2-DCE (0.21 µg/L), below the RL. This is the third event since September 2003 that TCE has not been detected in this well. Well CS-MW1-CC had no VOC detections in June 2005.

CS-MW2-LGR had a detection of *cis*-1,2-DCE at a concentration of 4.1 µg/L, above the RL. Toluene was also detected at a concentration of 0.26 µg/L. Well CS-MW2-CC was sampled for the ninth time this quarter. The well had no VOC detections in June 2005 with the exception of toluene at a concentration of 0.36 µg/L.

Wells CS-I, CS-MW3-LGR, and CS-MW4-LGR reported no VOC detections in June 2005. Well CS-MW3-LGR had PCE and TCE detections in September 2003, both below the RL. Well CS-I had a toluene detection below the RL in September 2003, but has had no VOC detections since that event.

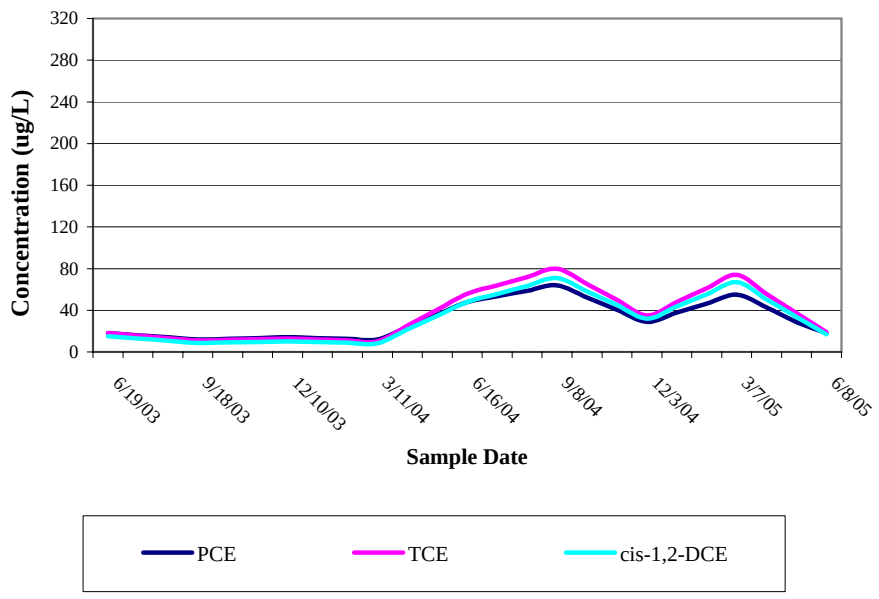
CS-MW5-LGR had detections of PCE, TCE, and *cis*-1,2-DCE, at concentrations of 0.77 µg/L, 1.0 µg/L, and 1.2 µg/L, respectively. TCE and *cis*-1,2-DCE were above the RL while PCE was below the applicable RL. The field duplicate reported similar results.

In June 2005 wells CS-MW6-LGR, CS-MW6-BS, CS-MW6-CC and field duplicate, CS-MW7-LGR, and CS-MW7-CC had no VOC detections. The CS-MW6 cluster has had two occurrences of PCE and/or TCE since the wells were installed in September 2001. The CS-MW7 cluster has had sporadic VOC detections, however PCE and/or TCE have not been detected in these wells since March 2004.

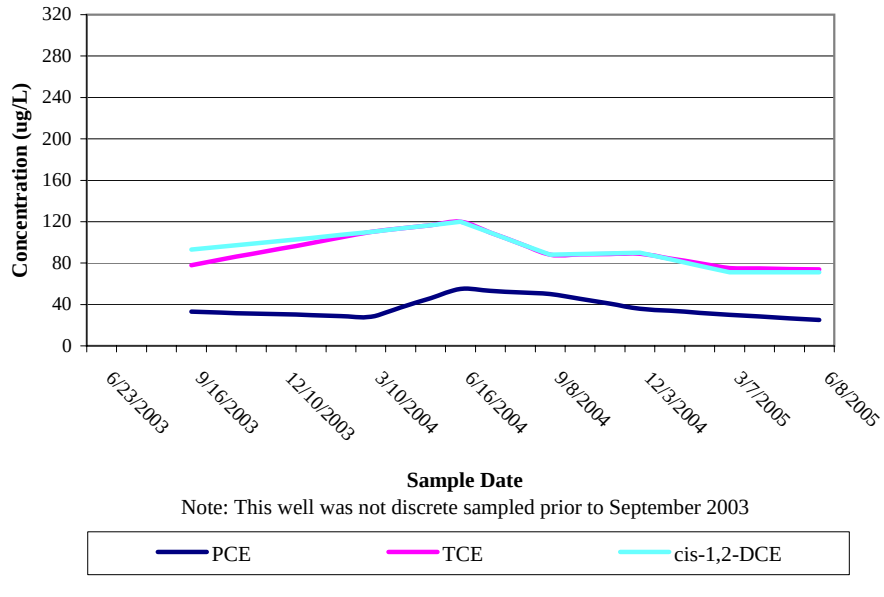
Well CS-MW8-LGR had a detection of PCE at a concentration of 0.65 µg/L, below the RL. PCE has been reported in this well since sampling began in June 2001, with the exception of December 2003. All concentrations have been below the RL. PCE was detected for the forth time in well CS-MW8-CC (0.40 µg/L), below the RL, in June 2005. CS-MW8-CC has been sampled quarterly since June 2001.

Figure 5-1 Concentrations of Selected Analytes

CS-MW16-LGR

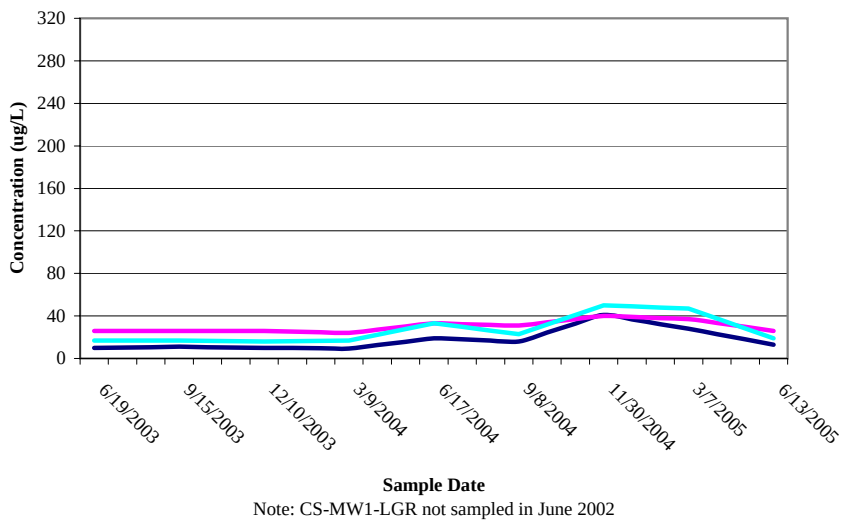


CS-MW16-CC



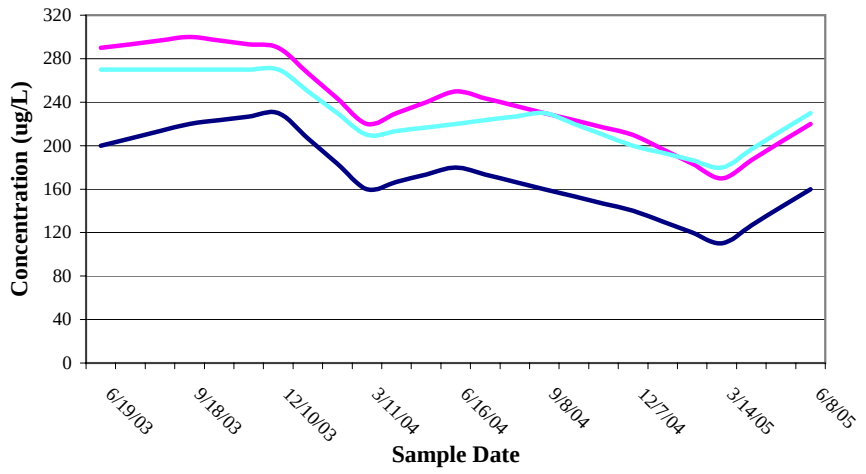
Note: This well was not discrete sampled prior to September 2003

CS-MW1-LGR

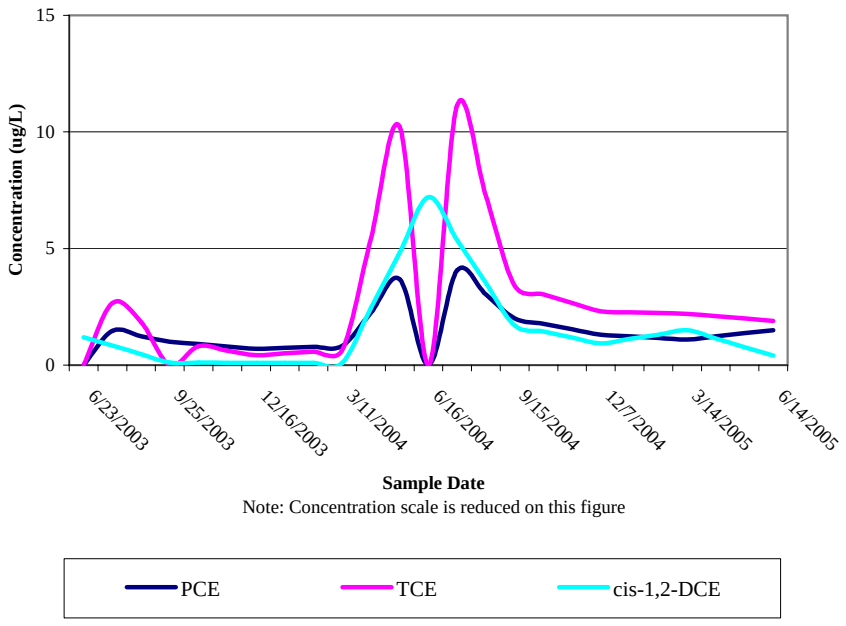


Note: CS-MW1-LGR not sampled in June 2002

CS-D

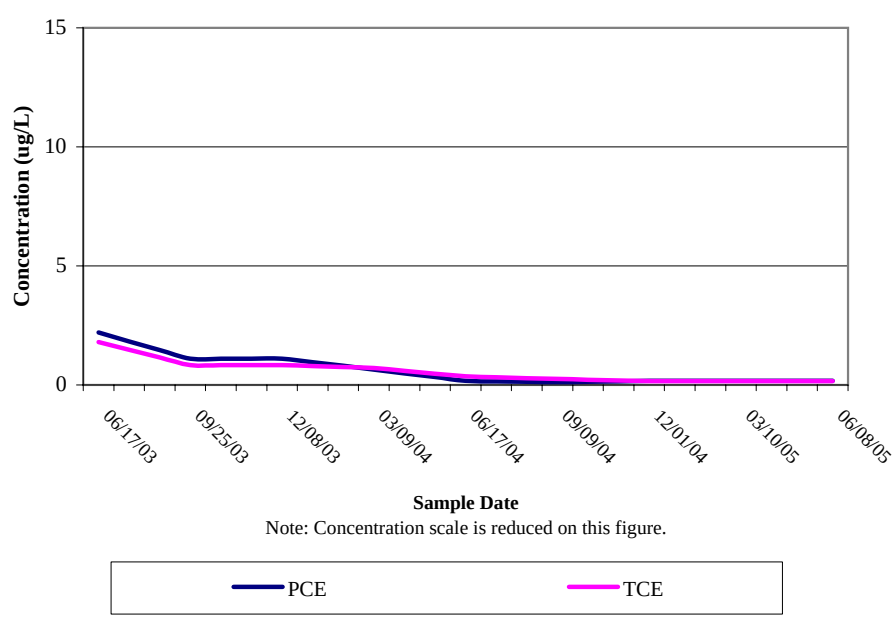


CS-4



Note: Concentration scale is reduced on this figure

CS-MW2-LGR



Note: Concentration scale is reduced on this figure.

MCL for tetrachlorethene = 5 ug/L
MCL for trichloroethene = 5 ug/L
MCL for *cis* -1,2-dichloroethene = 70 ug/L

No precipitation data is available prior to June 2002.

Wells CS-MW9-LGR, CS-MW9-BS, and CS-MW9-CC had no VOC detections in June 2005. CS-MW9-LGR has had sporadic PCE detections in March 2002 and in most of the 2003 monitoring events. CS-MW9-BS and CS-MW9-CC have never had PCE and/or TCE detections.

CS-MW10-LGR had detections of PCE and TCE at concentrations of 2.2 µg/L and 0.41 µg/L, respectively. PCE was above the RL but below the MCL while the TCE was below the RL. Well CS-MW10-CC had no VOC detections in June 2005.

Well CS-MW11A-LGR was sampled for the ninth time in June 2005. Well CS-MW11A-LGR reported a detection of PCE (0.26 µg/L) below the RL. Well CS-MW11B-LGR reported a detection of PCE at a concentration of 1.4 µg/L, which is below the RL. This is the seventh sample collected from this well since it was installed in June 2003. PCE has been consistently reported below the RL in CS-MW11B-LGR.

No VOCs were detected in CS-MW12-LGR in June 2005. CS-MW12-BS had a detection of vinyl chloride at a concentration of 0.25 µg/L, below applicable RL. CS-MW12-CC had a detection of toluene (0.20 mg/L), below the RL.

PCE was detected in well CS-MW17-LGR at a concentration of 0.24 µg/L, below the RL. Well CS-MW18-LGR reported no VOC detections this quarter. PCE was first detected at a concentration of 0.051 µg/L in September 2004. CS-MW18-LGR has been sampled quarterly since September 2002. Well CS-MW19-LGR had a detection of PCE (0.45 µg/L), below the RL. The CS-MW19-LGR field duplicate reported similar results. PCE has been consistently detected below the RL in wells CS-MW17-LGR and CS-MW19-LGR since they were installed in September 2002.

5.1.4 Drinking Water Supply Well Results

Drinking water supply wells are analyzed for the full list of VOCs. Current and former drinking water supply wells for CSSA sampled in June 2005 were CS-1, CS-9, CS-10, and CS-11. All contaminant concentrations detected in these wells were below MCLs.

CS-1 had no VOC detections in June 2005. CS-1 has previously had sporadic detections of chloroform, methylene chloride and toluene. September 2004 was the tenth consecutive detection of PCE (all F-flagged), the 21st consecutive detection of TCE (all F-flagged), and the first detection of 1,1-DCE. 1,1-DCE was also detected in three of the four trip blanks at similar levels, leading the Parsons chemist to believe that these detections can be attributed to field or laboratory contamination, 1,1-DCE is not likely to be present in the groundwater sampled.

Well CS-9 had no VOC detections in June 2005. There have been five detections of PCE since the well was first sampled in August 1991. All detections have been below the RL.

Well CS-10 had no VOC detections in June 2005. Well CS-11 also had no VOC detections this quarter.

5.2 Metals Analyses

All drinking water wells and monitoring wells were analyzed for the metals arsenic, cadmium, lead, barium, chromium, copper, nickel, zinc, and mercury in June 2005. In June 2005, no drinking water wells or monitoring wells had results above the appropriate MCL, action level (AL), or secondary standard. The next annual post-wide sampling event for metals will be conducted in June 2006.

6.0 SUMMARY

- MCLs were exceeded for one or more of PCE, TCE, and *cis*-1,2-DCE, in wells CS-MW16-LGR (formerly well CS-16), CS-MW16-CC, CS-MW1-LGR, and CS-D.
- Monitoring wells CS-4, CS-MW2-LGR, CS-MW5-LGR and field duplicate, CS-MW10-LGR, CS-MW11A-LGR, and CS-MW11B-LGR, had detections of COCs at concentrations below applicable MCLs but above the RL (**Table 5-1**).
- Monitoring wells CS-I, CS-MWG-LGR, CS-MWH-LGR, CS-MW1-CC, CS-MW3-LGR, CS-MW4-LGR, CS-MW6-LGR, CS-MW6-BS, CS-MW6-CC, CS-MW6-CC field duplicate, CS-MW7-LGR, CS-MW7-CC, CS-MW9-LGR, CS-MW9-BS, CS-MW9-CC, CS-MW10-CC, CS-MW12-LGR, and CS-MW18-LGR had no VOC analytes detected above either the applicable MDL or RL.
- Drinking water wells CS-1, CS-9, and CS-10 had no VOC detections in June 2005. Former drinking water well CS-11 also had no VOC detections.
- The LGR groundwater potentiometric surface map **(Figure 2-1)** for June 2005 shows groundwater flow to be variable throughout the facility and generally to the east and south.
- The LGR potentiometric surface map near Building 90 indicated a groundwater flow to the southeast and southwest, and the CC potentiometric surface map near Building 90 indicated a groundwater flow to the east in June 2005.
- In June 2005, vinyl chloride was detected in well CS-MW12-BS (0.25F µg/L). Historical vinyl chloride detections include:

Date	Well IDs	Concentrations
December 2002	CS-MW9-BS	TR
March 2003	CS-D, CS-MW1-LGR, CS-MW2-LGR	TR
	CS-MW4-LGR, CS-MW9-BS,	TR
	CS-MW12-BS, CS-MW19-LGR	TR
June 2003	CS MW1 BS, CS MW12 BS, CS MW1 CC	TR
September 2003	CS D, CS MW1 BS	TR
September 2003	CS MW16 CC	1.3 µg/L
December 2003	CS MW12 CC	TR
June 2004	CS-MW12-BS	TR
September 2004	CS MW12 BS, CS-MW16-CC	TR
December 2004	CS-MW12-BS, CS-MW16-CC	TR
March 2005	CS-MW12-BS	TR

(TR = below the RL and F-flagged)

- Metals were sampled in June 2005 in drinking water wells and monitoring wells, no concentrations exceeded the applicable MCLs and/or AL.
- An average decrease in water levels of 45.93 feet occurred between March 2005 and June 2005. Between March 2005 and June 2005, WS-N reported 5.46 inches of rain and WS-S measured 5.29 inches of rain.

APPENDIX A

EVALUATION OF DATA QUALITY OBJECTIVES ATTAINMENT

Appendix A. Evaluation of Data Quality Objectives Attainment

Activity	Objectives	Action	Objective Attained?	Recommendations
Field Sampling	Conduct field sampling in accordance with procedures defined in the project work plan, SAP, QAPP, and HSP.	All sampling was conducted in accordance with the procedures described in the project plans.	Yes.	NA
Characterization of Environmental Setting (Hydrogeology)	Prepare water-level contour and/or potentiometric maps for each formation of the Middle Trinity Aquifer (3.5.3).	Potentiometric surface maps were prepared based on water levels measured in each of CSSA's wells screened in three formations on June 6, 2005. In addition, an average water level for a Fair Oaks Ranch Utilities well (F0-20, northwest of CSSA), and 2 off-post wells (LS-7 and RFR-10) were also obtained.	To the extent possible with data available. Due to the limited data available and the fact that wells are completed across multiple water-bearing units, potentiometric maps should only be used for regional water flow direction, not local. Ongoing pumping in the CSSA area likely affects the natural groundwater flow direction.	As additional wells are installed screened in distinct formations, future evaluations will eliminate reliance on wells screened across multiple formations.
	Describe the flow system, including the vertical and horizontal components of flow (2.1.9).	Potentiometric maps were created using June 6, 2005 water level data, and horizontal flow direction was tentatively identified. Insufficient data are currently available to determine vertical component of flow.	As described above, due to the lack of aquifer-specific water level information, potentiometric surface maps should only be used as an estimate of regional flow direction.	Same as above.
	Define formation(s) in the Middle Trinity Aquifer are impacted by the VOC contaminants (2.1.3).	Quarterly groundwater monitoring, as well as monitoring wells equipped with Westbay® - multi-port samples provide information on Middle Trinity Aquifer impacts.	Yes.	Continue sampling.

Activity	Objectives	Action	Objective Attained?	Recommendations
	Identify any temporal changes in hydraulic gradients due to seasonal influences (2.1.5).	Downloaded data from continuous-reading transducer in wells: CS-MW16-LGR, CS-MW4-LGR, CS-MW9-LGR, CS-MW9-BS, CS-MW9-CC, CS-MW11A-LGR, CS-MW11B-LGR, CS-MW8-LGR, CS-MW8-CC, CS-MW18-LGR, CS-MW1-CC, CS-MW2-CC, CS-MW12-LGR, CS-MW12-CC, and CS-MW16-CC. Data was also downloaded from the northern and southern continuous-reading weather stations WS-N and WS-S. Water levels were graphed at these wells against precipitation and season through March 2005.	Yes.	Continue collection of transducer data and possibly install transducers in other cluster wells.
Contamination Characterization (Ground Water Contamination)	Characterize the horizontal and vertical extent of any immiscible or dissolved plume(s) originating from the Facility (3.1.2).	Samples for laboratory analysis were collected from 40 of 41 CSSA wells. Well CS-3 was not sampled because it is located adjacent to well CS-2 and CS-4, which were sampled.	The horizontal and vertical extent of groundwater contamination is continuously monitored.	Continue groundwater monitoring and construct additional wells as necessary.

Activity	Objectives	Action	Objective Attained?	Recommendations
	Determine the horizontal and vertical concentration profiles of all constituents of concern (COCs) in the groundwater that are measured by USEPA-approved procedures (3.1.2). COCs are those chemicals that have been detected in groundwater in the past and their daughter (breakdown) products.	Groundwater samples were collected from wells: CS-1, CS-2, CS-4, CS-9, CS-10, CS-11, CS-MW16-LGR, CS-MW16-CC, CS-D, CS-MWG-LGR, CS-MWH-LGR, CS-I, CS-MW1-LGR, CS-MW1-BS, CS-MW1-CC, CS-MW2-LGR, CS-MW2-CC, CS-MW3-LGR, CS-MW4-LGR, CS-MW5-LGR, CS-MW6-LGR, CS-MW6-BS, CS-MW6-CC, CS-MW7-LGR, CS-MW7-CC, CS-MW8-LGR, CS-MW8-CC, CS-MW9-LGR, CS-MW9-BS, CS-MW9-CC, CS-MW10-LGR, CS-MW10-CC, CS-MW11A-LGR, CS-MW11B-LGR, CS-MW12-LGR, CS-MW12-BS, CS-MW12-CC, CS-MW17-LGR, CS-MW18-LGR, and CS-MW19-LGR. Samples were analyzed for the selected VOCs using USEPA method SW8260B and 9 CSSA metals. Drinking water wells were also analyzed for arsenic, cadmium, and lead by SW6020, mercury by SW7470, and barium, chromium, copper, nickel, and zinc by SW6010B. Analyses were conducted in accordance with the AFCEE QAPP and approved variances. All RLs were below MCLs, as listed below:	Yes.	Continue sampling.
		ANALYTE — **RL (UG/L)** — **MCL (UG/L)** Chloroform — 0.4 — 100 Chloromethane — 1.3 — -- Dibromochloromethane — 0.5 — 100 1,1-DCE — 1.2 — 7 *cis*-1,2-DCE — 1.2 — 70 *trans*-1,2-DCE — 0.6 — 100 Methylene Chloride — 2 — 5 PCE — 1.4 — 5 TCE — 1.0 — 5		

Activity	Objectives	Action	Objective Attained?	Recommendations
		ANALYTE / **RL (UG/L)** / **MCL (UG/L)** Barium 5 2000 Chromium 10 100 Copper 10 1300 Nickel 10 100 Zinc 10 11000 Arsenic 5 50 Cadmium 1 3 Lead 2 15 Mercury 1 2		
Contamination Characterization (Ground Water Contamination) (Continued)	Meet AFCEE QAPP quality assurance requirements.	Samples were analyzed in accordance with the CSSA QAPP and approved variances. Parsons chemists verified all data, and AFCEE approval was obtained.	Yes.	NA
		All data flagged with a "U," "J," and "F" are usable for characterizing contamination. All "R" flagged data are considered unusable.	Yes.	NA
		Previously, an MDL study for arsenic, cadmium, and lead was not performed within a year of the analyses, as required by the AFCEE QAPP.	The laboratory performed new MDL studies in February 2001 for these metals and the new MDL values were found to be almost identical to the previous MDLs and all met the associated AFCEE QAPP requirements. MDLs for these three metals are well below MCLs. In addition, the laboratory performed daily calibrations and RL verifications for these metals, both of which demonstrate the laboratory's ability to detect and quantitate these metals at RL levels. These daily analyses also indicate that concentrations above the laboratory RL for these compounds were not affected by the expired MDL study.	Use results for groundwater characterization purposes.

Activity	Objectives	Action	Objective Attained?	Recommendations
Remediation	Determine goals and create cost-effective and technologically appropriate methods for remediation (2.2.1).	Continued data collection will provide analytical results for accomplishing this objective.	Ongoing.	Continue sampling and evaluation, including quarterly groundwater monitoring teleconferences to address remediation.
	Determine placement of new wells for monitoring (2.3.1, 3.6)	Sampling frequency and sample locations to be monitored (including any new wells) will be based on trend data from monitoring event(s) (3.1.5).	Ongoing.	Continue quarterly groundwater teleconferences to discuss sampling frequency and placement of new monitor wells.
Project schedule/ Reporting	Produce a quarterly monitoring project schedule as a road map for sampling, analysis, validation, verification, reviews, and reports.	Prepare schedules and sampling guidelines prior to each quarterly sampling event.	Yes.	Continue sampling schedule preparation each quarter.

APPENDIX B

QUARTERLY ON-POST GROUNDWATER MONITORING ANALYTICAL RESULTS, JUNE 2005

Appendix B
June 2005 Quarterly On-Post Groundwater Monitoring Analytical Results

Sample ID	CS-1				CS-10				CS-9			
Sample Date	06/15/05				06/15/05				06/15/05			
Sample Type	N				N				N			
Lab Sample ID	D5F170398				D5F170398				D5F170398			
Matrix	WG				WG				WG			
Method / *Analyte (ug/L)*	Result	Flag	SQL	DL	Result	Flag	SQL	DL	Result	Flag	SQL	DL
SW6010B												
Barium	36.0		0.7	1	37.0		0.7	1	36.0		0.7	1
Chromium	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1
Copper	4.5	U	4.5	1	8.3	F	4.5	1	4.5	U	4.5	1
Nickel	1.7	F	1.2	1	2.2	F	1.2	1	1.2	U	1.2	1
Zinc	300.0		4.4	1	23.0	F	4.4	1	99.0		4.4	1
SW6020												
Arsenic	0.67	F	0.21	1	0.68	F	0.21	1	0.41	F	0.21	1
Cadmium	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1
Lead	5.2		0.09	1	1.5	F	0.09	1	0.56	F	0.09	1
SW7470A												
Mercury	0.044	U	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1
SW8260B												
Benzene	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1
Bromobenzene	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1
Bromochloromethane	0.18	U	0.18	1	0.18	U	0.18	1	0.18	U	0.18	1
Bromodichloromethane	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1
Bromoform	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1
Bromomethane	0.24	U	0.24	1	0.24	U	0.24	1	0.24	U	0.24	1
Butylbenzene, N-	0.22	U	0.22	1	0.22	U	0.22	1	0.22	U	0.22	1
Butylbenzene, sec-	0.22	U	0.22	1	0.22	U	0.22	1	0.22	U	0.22	1
Butylbenzene, tert-	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1
Carbon tetrachloride	0.18	U	0.18	1	0.18	U	0.18	1	0.18	U	0.18	1
Chlorobenzene	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1
Chloroethane	0.46	U	0.46	1	0.46	U	0.46	1	0.46	U	0.46	1
Chloroform	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1
Chlorohexane, 1-	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1
Chloromethane	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1
Chlorotoluene, 2-	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Chlorotoluene, 4-	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1
Dibromo-3-chloropropane, 1,2-	0.28	U	0.28	1	0.28	U	0.28	1	0.28	U	0.28	1
Dibromochloromethane	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1
Dibromomethane	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1
Dichlorobenzene, 1,2-	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1
Dichlorobenzene, 1,3-	0.26	U	0.26	1	0.26	U	0.26	1	0.26	U	0.26	1
Dichlorobenzene, 1,4-	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1
Dichlorodifluoromethane	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1
Dichloroethane, 1,1-	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1
Dichloroethane, 1,2-	0.18	U	0.18	1	0.18	U	0.18	1	0.18	U	0.18	1
Dichloroethene, 1,1-	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Dichloroethene, cis-1,2-	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1
Dichloroethene, trans-1,2-	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1
Dichloropropane, 1,2-	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Dichloropropane, 1,3-	0.18	U	0.18	1	0.18	U	0.18	1	0.18	U	0.18	1
Dichloropropane, 2,2-	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1
Dichloropropene, 1,1-	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Dichloropropene, cis-1,3-	0.18	U	0.18	1	0.18	U	0.18	1	0.18	U	0.18	1
Dichloropropene, trans-1,3-	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1
Ethylbenzene	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1
Ethylene dibromide	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1
Hexachlorobutadiene	0.26	U	0.26	1	0.26	U	0.26	1	0.26	U	0.26	1
Isopropylbenzene	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1
Isopropyltoluene, 4- (Cymene, p-)	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1
Methylene chloride	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Naphthalene	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1
Propylbenzene, N-	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1
Styrene	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Tetrachloroethane, 1,1,1,2-	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Tetrachloroethane, 1,1,2,2-	0.18	U	0.18	1	0.18	U	0.18	1	0.18	U	0.18	1
Tetrachloroethene	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Toluene	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Trichlorobenzene, 1,2,3-	0.24	U	0.24	1	0.24	U	0.24	1	0.24	U	0.24	1
Trichlorobenzene, 1,2,4-	0.26	U	0.26	1	0.26	U	0.26	1	0.26	U	0.26	1
Trichloroethane, 1,1,1-	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1
Trichloroethane, 1,1,2-	0.3	U	0.3	1	0.3	U	0.3	1	0.3	U	0.3	1
Trichloroethene	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1
Trichlorofluoromethane	0.13	U	0.13	1	0.13	U	0.13	1	0.13	U	0.13	1
Trichloropropane, 1,2,3-	0.18	U	0.18	1	0.18	U	0.18	1	0.18	U	0.18	1
Trimethylbenzene, 1,2,4-	0.18	U	0.18	1	0.18	U	0.18	1	0.18	U	0.18	1
Trimethylbenzene, 1,3,5-	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1
Vinyl chloride	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1
Xylene, m,p-	0.37	U	0.37	1	0.37	U	0.37	1	0.37	U	0.37	1
Xylene, o-	0.14	U	0.14	1	0.14	U	0.14	1	0.14	U	0.14	1

Tables present all laboratory results.
All samples were analyzed by Severn Trent Laboratories (STL).

Abbreviations/Notes:

FD	Field Duplicate
MDL	Method Detection Limit
N	Environmental Sample
SQL	Sample Quantitation Limit
DL	Dilution

Data Qualifiers:

F- The analyte was positively identified but the associated numerical value is below the RL.
J - The analyte was positively identified, the quantitation is an estimation.
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.
M- Matrix Effect Present

Appendix B
June 2005 Quarterly On-Post Groundwater Monitoring Analytical Results

Sample ID	CS-2				CS-2				CS-4				CS-11				CS-D				CS-I				CS-MWG-LGR				CS-MWH-LGR				CS-MW1-LGR				CS-MW1-BS				CS-MW1-CC			
Sample Date	06/14/05				06/14/05				06/14/05				06/16/05				06/08/05				06/06/05				06/07/05				06/06/05				06/13/05				06/13/05				06/13/05			
Sample Type	N				FD				N				N				N				N				N				N				N				N				N			
Lab Sample ID	D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398			
Matrix	WG				WG				WG				WG				WG				WG				WG				WG				WG				WG				WG			
Method																																													
Analyte (ug/L)	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**
SW6010B																																												
Barium	32.0		0.7	1	32.0		0.7	1	29.0		0.7	1	38.0		0.7	1	31.0		0.7	1	120.0		0.7	1	22.0		0.7	1	28.0		0.7	1	29.0		0.7	1	38.0		0.7	1	17.0		0.7	1
Chromium	1.9	F	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.92	F	0.82	1	0.82	U	0.82	1	1.2	F	0.82	1	6.6	F	0.82	1	4.8	F	0.82	1	0.82	U	0.82	1	1.4	F	0.82	1
Copper	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	9.2	F	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1
Nickel	1.2	U	1.2	1	1.2		1.2	1	1.2	U	1.2	1	1.2	U	1.2	1	3.0	F	1.2	1	1.2	U	1.2	1	35.0		1.2	1	6.6	F	1.2	1	22.0		1.2	1	3.3	F	1.2	1	1.2	U	1.2	1
Zinc	5.2	F	4.4	1	9.7	F	4.4	1	11.0	F	4.4	1	1800.0		4.4	1	22.0	F	4.4	1	35.0	F	4.4	1	22.0	F	4.4	1	2000.0		4.4	1	4.4	U	4.4	1	4.4	U	4.4	1	4.7	F	4.4	1
SW6020																																												
Arsenic	0.69	F	0.21	1	0.75	F	0.21	1	0.51	F	0.21	1	0.47	F	0.21	1	0.46	F	0.21	1	0.31	F	0.21	1	0.38	F	0.21	1	0.74	F	0.21	1	0.56	F	0.21	1	2.6	F	0.21	1	0.38	F	0.21	1
Cadmium	0.04	U	0.04	1	0.04	U	0.04	1	0.059	F	0.04	1	0.04	U	0.04	1	0.093	F	0.04	1	0.089	F	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1
Lead	0.41	F	0.09	1	0.42	F	0.09	1	0.34	F	0.09	1	6.8		0.09	1	2.8		0.09	1	2.8		0.09	1	0.41	F	0.09	1	2.7		0.09	1	0.1	F	0.09	1	0.33	F	0.09	1	0.32	F	0.09	1
SW7470A																																												
Mercury	0.055	F	0.044	1	0.044	U	0.044	1	0.056	F	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	0.071	F	0.044	1	0.054	F	0.044	1
SW8260B																																												
Bromodichloromethane	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1
Bromoform	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1
Chloroform	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.2	F	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1
Dibromochloromethane	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1
Dichlorodifluoromethane	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1
Dichloroethene, 1,1-	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Dichloroethene, cis-1,2-	0.2	U	0.2	1	0.2	U	0.2	1	0.41	F	0.2	1	0.2	U	0.2	1	230.0		2.	10	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	19.0		0.2	1	0.21	F	0.2	1	0.2	U	0.2	1
Dichloroethene, trans-1,2-	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	2.0		0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.25	F	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1
Methylene chloride	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Naphthalene	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	M	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1
Tetrachloroethene	0.21	F	0.17	1	0.21	F	0.17	1	1.5		0.17	1	0.17	U	0.17	1	160.0		1.7	10	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	13.0		0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Toluene	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.49	F	0.17	1	0.17	U	0.17	1
Trichloroethene	0.16	U	0.16	1	0.16	U	0.16	1	1.9		0.16	1	0.16	U	0.16	1	220.0		1.6	10	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	26.0		0.16	1	0.16	U	0.16	1	0.16	U	0.16	1
Vinyl chloride	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1

Sample ID	CS-MW2-LGR				CS-MW2-CC				CS-MW3-LGR				CS-MW4-LGR				CS-MW5-LGR				CS-MW5-LGR				CS-MW6-LGR				CS-MW6-BS				CS-MW6-CC				CS-MW6-CC				CS-MW7-LGR			
Sample Date	06/08/05				06/08/05				06/07/05				06/08/05				06/08/05				06/08/05				06/09/05				06/09/05				06/09/05				06/09/05				06/13/05			
Sample Type	N				N				N				N				N				FD				N				N				N				FD				N			
Lab Sample ID	D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398			
Matrix	WG				WG				WG				WG				WG				WG				WG				WG				WG				WG				WG			
Method																																													
Analyte (ug/L)	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**
SW6010B																																												
Barium	120.0		0.7	1	17.0		0.7	1	28.0		0.7	1	54.0		0.7	1	30.0		0.7	1	27.0		0.7	1	38.0		0.7	1	39.0		0.7	1	38.0		0.7	1	38.0		0.7	1	40.0		0.7	1
Chromium	1.8	F	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	0.82	U	0.82	1	1.3	F	0.82	1
Copper	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1	4.5	U	4.5	1
Nickel	3.9	F	1.2	1	2.6	F	1.2	1	1.4	F	1.2	1	2.7	F	1.2	1	8.6	F	1.2	1	8.3	F	1.2	1	4.6	F	1.2	1	1.2	U	1.2	1	1.2	U	1.2	1	1.4	F	1.2	1	1.4	F	1.2	1
Zinc	110.0		4.4	1	11.0	F	4.4	1	21.0	F	4.4	1	18.0	F	4.4	1	21.0	F	4.4	1	14.0	F	4.4	1	8.0	F	4.4	1	4.4	U	4.4	1	6.8	F	4.4	1	4.4	U	4.4	1	12.0	F	4.4	1
SW6020																																												
Arsenic	3.3	F	0.21	1	0.46	F	0.21	1	0.44	F	0.21	1	1.3	F	0.21	1	2.0	F	0.21	1	1.8	F	0.21	1	0.84	F	0.21	1	2.6	F	0.21	1	0.97	F	0.21	1	1.0	F	0.21	1	0.77	F	0.21	1
Cadmium	0.05	F	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1	0.04	U	0.04	1
Lead	3.6		0.09	1	0.2	F	0.09	1	0.14	F	0.09	1	0.24	F	0.09	1	0.14	F	0.09	1	0.45	F	0.09	1	0.22	F	0.09	1	0.11	F	0.09	1	0.09	U	0.09	1	0.09	U	0.09	1	0.51	F	0.09	1
SW7470A																																												
Mercury	0.044	U	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	0.045	F	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	0.082	F	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	0.044	U	0.044	1	0.067	F	0.044	1
SW8260B																																												
Bromodichloromethane	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1
Bromoform	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1
Chloroform	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1	0.15	U	0.15	1
Dibromochloromethane	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1
Dichlorodifluoromethane	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1
Dichloroethene, 1,1-	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Dichloroethene, cis-1,2-	4.1		0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	1.2		0.2	1	1.2		0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1	0.2	U	0.2	1
Dichloroethene, trans-1,2-	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1
Methylene chloride	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Naphthalene	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	M	0.23	1	0.23	M	0.23	1	0.23	M	0.23	1	0.23	M	0.23	1	0.23	U	0.23	1
Tetrachloroethene	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.77	F	0.17	1	0.76	F	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Toluene	0.26	F	0.17	1	0.36	F	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1	0.17	U	0.17	1
Trichloroethene	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	1.0		0.16	1	0.98	F	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1	0.16	U	0.16	1
Vinyl chloride	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1	0.21	U	0.21	1

Appendix B
June 2005 Quarterly On-Post Groundwater Monitoring Analytical Results

Sample ID	CS-MW7-CC				CS-MW8-LGR				CS-MW8-CC				CS-MW9-LGR				CS-MW9-BS				CS-MW9-CC			
Sample Date	06/13/05				06/09/05				06/09/05				06/10/05				06/10/05				06/10/05			
Sample Type	N				N				N				N				N				N			
Lab Sample ID	D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398			
Matrix	WG				WG				WG				WG				WG				WG			
Method																								
Analyte (ug/L)	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**
SW6010B																								
Barium	27.0		0.7	1	36.0		0.7	1	30.0		0.7	1	31.0		0.7	1	79.0		0.7	1	19.0		0.7	1
Chromium	0.82 U		0.82	1	2.1 F		0.82	1	0.82 U		0.82	1	3.5 F		0.82	1	0.82 U		0.82	1	0.82 U		0.82	1
Copper	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1
Nickel	1.2 U		1.2	1	1.7 F		1.2	1	1.2 U		1.2	1	52.0		1.2	1	1.2 U		1.2	1	1.2 U		1.2	1
Zinc	4.4 U		4.4	1	18.0 F		4.4	1	4.4 U		4.4	1	18.0 F		4.4	1	36.0 F		4.4	1	4.4 U		4.4	1
SW6020																								
Arsenic	1.2 F		0.21	1	0.97 F		0.21	1	2.4 F		0.21	1	0.57 F		0.21	1	2.4 F		0.21	1	0.54 F		0.21	1
Cadmium	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1
Lead	0.72 F		0.09	1	0.33 F		0.09	1	0.15 F		0.09	1	0.19 F		0.09	1	4.1		0.09	1	0.19 F		0.09	1
SW7470A																								
Mercury	0.052 F		0.044	1	0.044 U		0.044	1	0.044 U		0.044	1	0.044 U		0.044	1	0.044 U		0.044	1	0.08 F		0.044	1
SW8260B																								
Bromodichloromethane	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1
Bromoform	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1
Chloroform	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1
Dibromochloromethane	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1
Dichlorodifluoromethane	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1
Dichloroethene, 1,1-	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Dichloroethene, cis-1,2-	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1
Dichloroethene, trans-1,2-	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1
Methylene chloride	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Naphthalene	0.23 U		0.23	1	0.23 M		0.23	1	0.23 M		0.23	1	0.23 M		0.23	1	0.23 M		0.23	1	0.23 M		0.23	1
Tetrachloroethene	0.17 U		0.17	1	0.65 F		0.17	1	0.4 F		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Toluene	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Trichloroethene	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1
Vinyl chloride	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1

Sample ID	CS-MW10-LGR				CS-MW10-CC				CS-MW11A-LGR				CS-MW11B-LGR				CS-MW12-LGR			
Sample Date	06/09/05				06/09/05				06/16/05				06/14/05				06/14/05			
Sample Type	N				N				N				N				N			
Lab Sample ID	D5F170398				D5F170398				D5F170398				D5F170398				D5F170398			
Matrix	WG				WG				WG				WG				WG			
Method																				
Analyte (ug/L)	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**
SW6010B																				
Barium	48.0		0.7	1	30.0		0.7	1	30.0		0.7	1	32.0		0.7	1	34.0		0.7	1
Chromium	0.82 U		0.82	1	0.82 U		0.82	1	0.82 U		0.82	1	2.1 F		0.82	1	0.82 U		0.82	1
Copper	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1
Nickel	1.4 F		1.2	1	3.2 F		1.2	1	2.2 F		1.2	1	12.0		1.2	1	2.5 F		1.2	1
Zinc	8.4 F		4.4	1	4.4 U		4.4	1	10.0 F		4.4	1	6.7 F		4.4	1	8.2 F		4.4	1
SW6020																				
Arsenic	0.84 F		0.21	1	2.8 F		0.21	1	0.59 F		0.21	1	0.48 F		0.21	1	0.48 F		0.21	1
Cadmium	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1
Lead	0.09 U		0.09	1	0.096 F		0.09	1	0.09 U		0.09	1	0.35 F		0.09	1	0.09		0.09	1
SW7470A																				
Mercury	0.044 U		0.044	1	0.044 U		0.044	1	0.044 U		0.044	1	0.06 F		0.044	1	0.049 F		0.044	1
SW8260B																				
Bromodichloromethane	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1
Bromoform	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1
Chloroform	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1
Dibromochloromethane	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1
Dichlorodifluoromethane	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1
Dichloroethene, 1,1-	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Dichloroethene, cis-1,2-	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1
Dichloroethene, trans-1,2-	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1
Methylene chloride	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Naphthalene	0.23 M		0.23	1	0.23 M		0.23	1	0.23 M		0.23	1	0.23 U		0.23	1	0.23 U		0.23	1
Tetrachloroethene	2.2		0.17	1	0.17 U		0.17	1	0.26 F		0.17	1	1.4		0.17	1	0.17 U		0.17	1
Toluene	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Trichloroethene	0.41 F		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1
Vinyl chloride	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1

Sample ID	CS-MW12-BS				CS-MW12-CC				CS-MW16-LGR				CS-MW16-CC				CS-MW17-LGR				CS-MW18-LGR			
Sample Date	06/14/05				06/16/05				06/08/05				06/08/05				06/07/05				06/14/05			
Sample Type	N				N				N				N				N				N			
Lab Sample ID	D5F170398				D5F170398				D5F170398				D5F170398				D5F170398				D5F170398			
Matrix	WG				WG				WG				WG				WG				WG			
Method																								
Analyte (ug/L)	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**
SW6010B																								
Barium	12.0		0.7	1	69.0		0.7	1	37.0		0.7	1	23.0		0.7	1	36.0		0.7	1	41.0		0.7	1
Chromium	0.82 U		0.82	1	2.0 F		0.82	1	0.82 U		0.82	1	0.82 U		0.82	1	1.0 F		0.82	1	0.82 U		0.82	1
Copper	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1	4.5 U		4.5	1
Nickel	7.3 F		1.2	1	2.9 F		1.2	1	1.2 U		1.2	1	4.3 F		1.2	1	7.0 F		1.2	1	10.0		1.2	1
Zinc	8.8 F		4.4	1	72.0		4.4	1	320.0		4.4	1	40.0 F		4.4	1	10.0 F		4.4	1	6.9 F		4.4	1
SW6020																								
Arsenic	1.1 F		0.21	1	1.4 F		0.21	1	0.42 F		0.21	1	0.43 F		0.21	1	0.58 F		0.21	1	0.78 F		0.21	1
Cadmium	0.04 U		0.04	1	0.04 U		0.04	1	0.093 F		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1
Lead	0.28 F		0.09	1	0.55 F		0.09	1	0.56 F		0.09	1	0.94 F		0.09	1	0.092 F		0.09	1	0.18 F		0.09	1
SW7470A																								
Mercury	0.049 F		0.044	1	0.044 U		0.044	1	0.044 U		0.044	1	0.044 U		0.044	1	0.044 U		0.044	1	0.056 F		0.044	1
SW8260B																								
Bromodichloromethane	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1
Bromoform	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1	0.2 U		0.2	1
Chloroform	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1	0.15 U		0.15	1
Dibromochloromethane	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1
Dichlorodifluoromethane	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1	0.19 U		0.19	1
Dichloroethene, 1,1-	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.37 F		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Dichloroethene, cis-1,2-	0.2 U		0.2	1	0.2 U		0.2	1	17.0		0.2	1	71.0		0.4	2	0.2 U		0.2	1	0.2 U		0.2	1
Dichloroethene, trans-1,2-	0.16 U		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1	1.1		0.16	1	0.16 U		0.16	1	0.16 U		0.16	1
Methylene chloride	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Naphthalene	0.23 U		0.23	1	0.23 M		0.23	1	0.23 U		0.23	1	0.23 U		0.23	1	0.23 U		0.23	1	0.23 U		0.23	1
Tetrachloroethene	0.17 U		0.17	1	0.17 U		0.17	1	18.0		0.17	1	25.0		0.17	1	0.24 F		0.17	1	0.17 U		0.17	1
Toluene	0.17 U		0.17	1	0.2 F		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1	0.17 U		0.17	1
Trichloroethene	0.16 U		0.16	1	0.16 U		0.16	1	19.0		0.16	1	74.0		0.32	2	0.16 U		0.16	1	0.16 U		0.16	1
Vinyl chloride	0.25 F		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1	0.21 U		0.21	1

Sample ID	CS-MW19-LGR				CS-MW19-LGR			
Sample Date	06/16/05				06/16/05			
Sample Type	N				FD			
Lab Sample ID	D5F170398				D5F170398			
Matrix	WG				WG			
Method								
Analyte (ug/L)	**Result**	**Flag**	**SQL**	**DL**	**Result**	**Flag**	**SQL**	**DL**
SW6010B								
Barium	37.0		0.7	1	39.0		0.7	1
Chromium	2.1 F		0.82	1	2.0 F		0.82	1
Copper	4.5 U		4.5	1	4.5 U		4.5	1
Nickel	110.0		1.2	1	110.0		1.2	1
Zinc	24.0 F		4.4	1	25.0 F		4.4	1
SW6020								
Arsenic	0.58 F		0.21	1	0.68 F		0.21	1
Cadmium	0.04 U		0.04	1	0.04 U		0.04	1
Lead	0.09 U		0.09	1	0.1 F		0.09	1
SW7470A								
Mercury	0.044 U		0.044	1	0.044 U		0.044	1
SW8260B								
Bromodichloromethane	0.19 U		0.19	1	0.19 U		0.19	1
Bromoform	0.2 U		0.2	1	0.2 U		0.2	1
Chloroform	0.15 U		0.15	1	0.15 U		0.15	1
Dibromochloromethane	0.19 U		0.19	1	0.19 U		0.19	1
Dichlorodifluoromethane	0.19 U		0.19	1	0.19 U		0.19	1
Dichloroethene, 1,1-	0.17 U		0.17	1	0.17 U		0.17	1
Dichloroethene, cis-1,2-	0.2 U		0.2	1	0.2 U		0.2	1
Dichloroethene, trans-1,2-	0.16 U		0.16	1	0.16 U		0.16	1
Methylene chloride	0.17 U		0.17	1	0.17 U		0.17	1
Naphthalene	0.23 M		0.23	1	0.23 M		0.23	1
Tetrachloroethene	0.45 F		0.17	1	0.44 F		0.17	1
Toluene	0.17 U		0.17	1	0.17 U		0.17	1
Trichloroethene	0.16 U		0.16	1	0.16 U		0.16	1
Vinyl chloride	0.21 U		0.21	1	0.21 U		0.21	1

Tables present all laboratory results.
All samples were analyzed by Severn Trent Laboratories (STL).

Abbreviations/Notes:

FD	Field Duplicate
MDL	Method Detection Limit
N	Environmental Sample
SQL	Sample Quantitation Limit
DL	Dilution

Data Qualifiers:

F- The analyte was positively identified but the associated numerical value is below the RL.
J - The analyte was positively identified, the quantitation is an estimation.
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.
M- Matrix Effect Present

APPENDIX C

ON-POST CUMULATIVE ANALYTICAL RESULTS

Appendix C
Groundwater VOC Analytical Results, 1991-2005

Well Number	Laboratory	Analytical Method	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi fluorometh ane (ug/L)	Dichloro-ethene, 1,1 (ug/L)	Dichloro-ethene, *cis*-1,2 (ug/L)	Dichloro-ethene, *trans*-1,2 (ug/L)	Dichloro-methane (methylene chloride) (ug/L)	Naphthalene (ug/L)	Tetra-chloroethene (ug/L)	Toluene (ug/L)	Trichloroeth ene (ug/L)	Vinyl chloride (ug/L)
CS-1	TDH		8/9/91	1.0U	NA	1.0U	1.0U	NA	1.0U	1.0U	1.0U	1.0U	NA	1.0U	NA	1.0U	NA
	Parsons ES	SW8010/8020	11/3/92	**4.7**	NA	**7.3**	**4.5**	NA	0.5U	NA	0.5U	**3.0**	NA	0.5U	NA	0.5U	5.0U
	Chemron	SW8010	5/26/94	1.0U	NA	0.5U	0.9U	NA	1.0U	1.0U	1.0U	1.0U	NA	0.3U	NA	1.2U	1.8U
	Chemron	SW8010	9/30/94	1.0U	NA	**17**	1.0U	NA	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	2.0U
	Chemron	SW8010	12/19/94	**2.0**	NA	**18**	**2.0**	NA	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	2.0U*
	Chemron	SW8260	3/30/95	0.6U	NA	0.6U	0.6U	NA	1.0U	0.8U	0.8U	0.8U	NA	1.0U	0.6U	0.4U	0.6U
	Chemron	SW8260	6/13/95	3U	NA	**7**	3U	NA	5U	4U	4U	4U	NA	5U	3U	2U	3U
	Chemron	SW8260	8/25/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	8/11/95	3U	NA	**10**	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	2/28/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	ITS	SW8260	1/7/97[1]	0.13U	NA	**0.25F**	0.10U	NA	0.23U	0.20U	0.33U	0.23U	NA	0.47U	0.16U	0.34U	0.40U
	ITS	SW8260B	10/23/97[1]	0.13U	NA	**1.5**	0.10U	NA	0.23U	0.20U	0.33U	0.23U	NA	0.47U	0.160U	0.34U	0.40U
	DHL	SW8260B	11/6/98[1]	NA	NA	0.4U	NA	NA	NA	0.3U	0.2U	NA	NA	0.4U	NA	**0.22 F**	NA
	O'B&G	SW8260B	9/9/99	0.025U	NA	**0.29F**	0.049U	NA	0.144U	0.145U	0.14U	**0.21F**	NA	0.087U	0.017U	**0.75F**	NA
	O'B&G	SW8260B	12/14/99	0.025U	NA	**0.2F**	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	**0.17F**	0.017U	**0.7F**	0.019U
	O'B&G	SW8260B	3/21/00**	0.025U	NA	**0.2F**	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	**0.11F**	NA	**0.6F**	0.019U
	O'B&G	SW8260B	6/14/00**	0.011U	NA	**0.36**	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U	NA	**0.5F**	0.013U
Duplicate	O'B&G	SW8260B	6/14/00**	0.011U	NA	**0.36**	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U	NA	**0.5F**	0.013U
	O'B&G	SW8260B	9/13/00**	0.011U	NA	**0.16F**	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U	NA	**0.3F**	0.013U
	O'B&G	SW8260B	12/13/00	0.011U	NA	0.011U	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U	NA	**1.2U**	0.013U
	O'B&G	SW8260B	3/19/01	0.011U	NA	0.011U	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	**0.11F**	NA	**0.2F**	0.013U
	AP18430	SW8260	6/12/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	0.19U	0.16U	0.07U	**0.19F**	0.18U
	AP22229	SW8260	9/17/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	**0.14F**	0.11U	**0.29F**	0.27U
	AP26254/AP26259	SW8260	12/11/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	**0.2F**	0.27U
	AP30837	SW8260	3/19/2002	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	**0.49F**	0.08U	**0.12F**	**0.24F**	**0.47F**	0.27U
	STL	SW8260B	6/17/2002	0.03U	NA	**0.076F**	0.03U	NA	0.03U	0.09U	0.04U	0.2U	0.04U	**0.11F**	0.05U	**0.63F**	0.04U
	STL	SW8260B	9/10/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	0.09U	**0.08F**	0.06U	**0.2F**	0.03U
	STL	SW8260B	12/10/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	0.09U	**0.1F**	0.06U	**0.26F**	0.03U
	STLD3C250256	SW8260B	3/19/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.31F**	0.09U	**0.08F**	**3.7B**	**0.15F**	0.03U
	STLD3F200339	SW8260B	6/19/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.088F**	0.06U	**0.18F**	0.03U
	STLD3I170355	SW8260B	9/16/2003	0.04U	0.1U	**0.053F**	0.03U	0.06U	0.03U	0.09U	0.04U	**0.34F**	0.09U	**0.084F**	0.06U	**0.37F**	0.03U
	STLD3L180116	SW8260B	12/16/2003	0.04U	0.1U	**0.062F**	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.1F**	**0.091F**	**0.56F**	0.03U
Duplicate	STLD3L180116	SW8260B	12/16/2003	0.04U	0.1U	**0.057F**	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.089F**	**0.088F**	**0.5F**	0.03U
	STLD4C120341	SW8260B	3/11/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.57F**	0.09U	**0.086F**	0.06U	**0.15F**	0.03U
Duplicate	STLD4C120341	SW8260B	3/11/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.64F**	0.09U	**0.087F**	0.06U	**0.15F**	0.03U
	STLD4F240326	SW8260B	06/22/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.09F**	0.06U	**0.12F**	0.03U
	STLD4I160208	SW8260B	09/15/04	0.04U	0.1U	0.05U	0.03U	0.06U	**0.053F**	0.09U	0.04U	**0.45F**	0.09U	**0.066F**	**0.15F**	**0.093F**	0.03U
	STLD4L040200	SW8260B	12/02/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C170383	SW8260B	3/16/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/15/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
CS-1-NP	STLD3C250256	SW8260B	3/19/2003	**2.6**	**3.4**	**1.8**	**3.7**	0.06U	0.03U	0.09U	0.04U	**1.2F**	0.09U	0.05U	**0.32F**	0.03U	0.03U
CS-2	Parsons ES	SW8010/8020	11/3/92	0.5U	NA	0.5U	0.5U	NA	0.5U	NA	0.5U	**3.2**	NA	**0.52**	NA	0.5U	5.0U
	Chemron	SW8010	5/26/94	1.0U	NA	0.5U	0.9U	NA	1.0U	1.0U	1.0U	1.0U	NA	**0.44**	NA	1.2U	1.8U
	Chemron	SW8010	9/30/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	**4.0**	NA	1.0U	NA	1.0U	2.0U
	Chemron	SW8010	12/19/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	2.0U*
	Chemron	SW8260	4/6/95	0.6U	NA	0.6U	0.6U	NA	1.0U	0.8U	0.8U	0.8U	NA	**1.0**	0.6U	0.4U	0.6U
	Chemron	SW8260	6/13/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	3U	2U	3U
	Chemron	SW8260	8/30/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	12/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
Duplicate	Chemron	SW8260	12/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	2/29/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	ITS	SW8260	1/15/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	0.20U	0.33U	0.23U	NA	0.47U	0.16U	0.34U	0.40U
	ITS	SW8260	10/23/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	0.20U	0.33U	0.23U	NA	0.47U	0.160U	0.34U	0.40U
	DHL	SW8260B	11/6/98[1]	NA	NA	0.4U	NA	NA	NA	0.3U	0.2U	NA	NA	**0.43**	NA	0.2U	NA
	O'B&G	SW8260B	9/7/99	0.025U	NA	0.061U	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	**1.109F**	0.017U	0.06U	0.019U
	O'B&G	SW8260B	12/14/99	0.025U	NA	0.061U	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	0.087U	0.017U	0.06U	0.019U

Appendix C
Groundwater VOC Analytical Results, 1991-2005

Well Number	Laboratory	Analytical Method	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi fluorometh ane (ug/L)	Dichloro-ethene, 1,1 (ug/L)	Dichloro-ethene, *cis* - 1,2 (ug/L)	Dichloro-ethene, *trans* - 1,2 (ug/L)	Dichloro-methane (methylene chloride) (ug/L)	Naphthalene (ug/L)	Tetra-chloroethene (ug/L)	Toluene (ug/L)	Trichloroeth ene (ug/L)	Vinyl chloride (ug/L)
Duplicate	O'B&G	SW8260B	12/14/99	0.025U	NA	0.061U	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	0.087U	0.017U	0.06U	0.019U
	O'B&G	SW8260B	3/21/00**	0.025U	NA	0.061U	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	0.087U	NA	0.06U	0.019U
Duplicate	O'B&G	SW8260B	3/21/00**	0.025U	NA	0.061U	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	0.087U	NA	0.06U	0.019U
	O'B&G	SW8260B	6/12/00**	0.011U	NA	0.011U	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U	NA	0.01U	0.013U
	O'B&G	SW8260B	9/15/00**	0.011U	NA	0.011U	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U	NA	0.01U	0.013U
Duplicate	O'B&G	SW8260B	9/15/00**	0.011U	NA	0.011U	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U	NA	0.01U	0.013U
	O'B&G	SW8260B	12/13/00	0.011U	NA	0.011U	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U	NA	0.01U	0.013U
	O'B&G	SW8260B	3/20/01	0.011U	NA	0.011U	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U	NA	0.01U	0.013U
	AP18323	SW8260	6/13/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	NA	0.16U	NA	0.16U	0.18U
	AP22213	SW8260	9/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	**0.22F**	NA	0.14U	0.27U
	AP26534/AP26520	SW8260	12/14/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	**0.35F**	NA	**0.17F**	0.27U
	STL EWGMV1AL	SW8260B	3/14/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	0.2U	NA	0.036U	NA	0.05U	0.036U
	STL	SW8260B	6/18/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	**0.52F**	NA	0.05U	0.04U
Duplicate	STL	SW8260B	6/18/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	**0.5F**	NA	0.05U	0.04U
	STL	SW8260B	9/10/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	**0.073F**	NA	0.03U	0.03U
	STL	SW8260B	12/16/2002	0.04U	NA	**0.11F**	0.03U	NA	0.03U	0.09U	0.04U	**0.34F**	NA	0.05U	NA	0.03U	0.03U
	STLD3C250212	SW8260B	3/20/2003	0.04U	0.1U	**0.12F**	0.03U	0.06U	0.03U	0.09U	0.04R	0.2U	0.09U	0.05U	**8.7J**	0.03U	0.03U
	STLD3F200337	SW8260B	6/19/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.1F**	0.06U	0.03U	0.03U
	STLD3I200215	SW8260B	9/19/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.73F**	0.09U	**0.34F**	0.06U	0.03U	0.03U
	STLD3L120400	SW8260B	12/10/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.3F**	0.09R	**0.75F**	0.06U	**0.071F**	0.03U
	STLD4C120336	SW8260B	3/11/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03M	0.09U	0.04M	0.28M	0.09U	**0.17F**	0.06U	0.03U	0.03U
	STLD4F170404	SW8260B	06/16/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.099F**	0.06U	0.03U	0.03U
	STLD4I170212	SW8260B	09/16/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.28F**	**0.09M**	**0.096F**	0.06U	0.03U	0.03U
	STLD4L080442	SW8260B	12/07/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C150315	SW8260B	3/14/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/14/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**0.21F**	0.17U	0.16U	0.21U
Duplicate	STLD5F170398	SW8260B	06/14/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**0.21F**	0.17U	0.16U	0.21U
CS-3	Parsons ES	SW8010/8020	11/4/92	0.5U	NA	0.5U	0.5U	NA	0.5U	NA	0.5U	2.0U	NA	**1.1**	NA	0.5U	5.0U
	Chemron	SW8010	5/26/94	1.0U	NA	0.5U	0.9U	NA	1.0U	1.0U	1.0U	1.0U	NA	**0.95**	NA	1.2U	1.8U
Duplicate	Chemron	SW8010	5/26/94	1.0U	NA	0.5U	0.9U	NA	1.0U	1.0U	1.0U	1.0U	NA	**0.92**	NA	1.2U	1.8U
	Chemron	SW8010	9/30/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	**3.0**	NA	1.0U	NA	1.0U	2.0U
	Chemron	SW8010	12/19/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	0.8U	1.0U	NA	1.0U	NA	1.0U	2.0U*
	Chemron	SW8260	4/6/95	0.6U	NA	0.6U	0.6U	NA	1.0U	0.8U	0.8U	0.8U	NA	1.0U	0.6U	0.4U	0.6U
	Chemron	SW8260	6/13/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	3U	2U	3U
Duplicate	Chemron	SW8260	6/13/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	8/30/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
Duplicate	Chemron	SW8260	8/30/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	12/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	2/27/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	ITS	SW8260	1/10/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	0.20U	0.33U	0.23U	NA	0.47U	0.16U	0.34U	0.40U
	DHL	SW8260B	11/6/98[1]	NA	NA	0.4U	NA	NA	NA	0.3U	0.2U	NA	NA	**0.9**	NA	0.2U	NA
	O'B&G	SW8260B	12/16/99	0.025U	NA	0.061U	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	**0.99 F**	0.017U	0.06U	0.019U
CS-4	TWC		12/4/91	1.0U	NA	1.0U	1.0U	NA	1.0U	1.0U	1.0U	1.0U	NA	1.0U	1.0U	1.0U	NA
	Parsons ES	SW8010/8020	11/4/92	0.5U	NA	0.5U	0.5U	NA	0.5U	NA	0.5U	2.0U	NA	**2.8**	NA	**1.1**	5.0U
	Chemron	SW8010	5/26/94	1.0U	NA	0.5U	0.9U	NA	1.0U	1.0U	1.0U	1.0U	NA	**2.6**	NA	1.2U	1.8U
	Chemron	SW8010	12/19/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	1.0U	NA	**2.0**	NA	1.0U	2.0U*
	Chemron	SW8260	4/6/95	0.6U	NA	0.6U	0.6U	NA	1.0U	0.8U	0.8U	0.8U	NA	**2.1**	0.6U	**0.9**	0.6U
	Chemron	SW8260	6/13/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	3U	2U	3U
	Chemron	SW8260	8/30/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	12/13/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	STLD3F240154	SW8260B	6/23/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**1.2**	0.04U	0.2U	0.09U	**1.7**	0.06U	**3.5**	0.03U
	STLD3I260150	SW8260B	9/25/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.11F**	0.04U	**0.43F**	0.09U	**1F**	0.06U	**1**	0.03U
	STLD3L180113	SW8260B	12/16/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.7F**	**0.076F**	**0.43F**	0.03U
	STLD4C120336	SW8260B	3/11/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03M	0.09U	0.04M	0.28M	0.09U	**0.82F**	0.06U	**0.65F**	0.03U
	STLD4F170404	SW8260B	06/16/04	0.04U	0.1U	**0.057F**	0.03U	0.06U	0.03U	**7.2**	**0.068F**	0.2U	0.09U	**5.1**	0.06U	**15**	0.03U
	STLD4I160216	SW8260B	09/15/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**1.7**	**0.061F**	**0.37F**	0.09U	**2**	0.06U	**3.4**	0.03U
Duplicate	STLD4I160216	SW8260B	09/15/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**1.6**	**0.058F**	**0.39F**	0.09U	**1.8**	0.06U	**3.2**	0.03U
	STLD4L080442	SW8260B	12/07/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**0.93F**	0.16U	0.17U	0.23U	**1.3F**	0.17U	**2.3**	0.21U
	STLD5C150315	SW8260B	3/14/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**1.5**	0.16U	0.17U	0.23U	**1.1F**	0.17U	**2.2**	0.21U

Appendix C
Groundwater VOC Analytical Results, 1991-2005

Well Number	Laboratory	Analytical Method	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi fluorometh ane (ug/L)	Dichloro-ethene, 1,1 (ug/L)	Dichloro-ethene, *cis* - 1,2 (ug/L)	Dichloro-ethene, *trans* - 1,2 (ug/L)	Dichloro-methane (methylene chloride) (ug/L)	Naphthalene (ug/L)	Tetra-chloroethene (ug/L)	Toluene (ug/L)	Trichloroeth ene (ug/L)	Vinyl chloride (ug/L)
Duplicate	STLD5C150315	SW8260B	3/14/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**1.5**	0.16U	0.17U	0.23U	**1.2F**	0.17U	**2.3**	0.21U
	STLD5F170398	SW8260B	06/14/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**0.41F**	0.16U	0.17U	0.23U	**1.5**	0.17U	**1.9**	0.21U
CS-6	Chemron	SW8010	5/26/94	1.0U	NA	0.5U	0.9U	NA	1.0U	1.0U	1.0U	1.0U	NA	**1.5**	NA	1.2U	1.8U
CS-9	TDH		8/9/91	1.0U	NA	1.0U	1.0U	NA	1.0U	1.0U	1.0U	1.0U	NA	1.0U	1.0U	1.0U	NA
	Chemron	SW8010	5/26/94	1.0U	NA	0.5U	0.9U	NA	1.0U	1.0U	1.0U	1.0U	NA	0.3U	NA	1.2U	1.8U
	Chemron	SW8260	9/30/94	1.0U	NA	1.0U	1.0U	NA	**1.0**	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	2.0U
	Chemron	SW8010	12/19/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	2.0U*
	Chemron	SW8260	3/30/95	0.6U	NA	0.6U	0.6U	NA	1.0U	0.8U	0.8U	0.8U	NA	1.0U	0.6U	0.4U	0.6U
	Chemron	SW8260	6/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	3U	3U	3U
	Chemron	SW8260	8/29/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	12/12/95	3U	NA	**8**	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	2/28/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	ITS	SW8260	1/6/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	0.20U	0.33U	0.23U	NA	0.47U	0.16U	0.34U	0.4U
	ITS	SW8260B	10/23/97[1]	0.13U	NA	0.98	0.10U	NA	0.23U	0.20U	0.33U	0.23U	NA	0.47U	0.160U	0.34U	0.40U
	O'B&G	SW8260B	9/8/99	0.025U	NA	0.061U	0.049U	NA	0.144U	0.145U	0.14U	**0.17F**	NA	0.087U	0.017U	0.06U	0.019U
	O'B&G	SW8260B	12/13/99	0.025U	NA	0.061U	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	0.087U	0.017U	0.06U	0.019U
	O'B&G	SW8260B	3/21/00**	0.025U	NA	0.061U	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	0.087U	NA	0.06U	0.019U
	O'B&G	SW8260B	6/13/00**	0.011U	NA	0.011U	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U	NA	0.01U	0.013U
	O'B&G	SW8260B	9/13/00**	0.011R	NA	0.011R	0.012R	NA	0.025R	0.062R	0.077R	0.03R	NA	0.008R	NA	0.01R	0.013R
	O'B&G	SW8260B	12/12/00	0.011U	NA	0.011U	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U	NA	0.01U	0.013U
	O'B&G	SW8260B	3/19/01	0.011U	NA	0.011U	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	**0.11F**	NA	0.01U	0.013U
	AP18428	SW8260	6/12/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	0.19U	0.16U	0.07U	0.16U	0.18U
	AP22230	SW8260	9/17/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	0.11U	0.14U	0.27U
	AP26251/AP26256	SW8260	12/11/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	AP30835	SW8260	3/19/2002	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	**0.25F**	0.08U	0.11U	0.11U	0.14U	0.27U
	STL	SW8260B	6/17/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	0.04U	0.04U	0.05U	0.05U	0.04U
	STL	SW8260B	9/10/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STL	SW8260B	12/10/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3C250256	SW8260B	3/19/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.36F**	0.09U	**0.055F**	**2.5B**	0.03U	0.03U
	STLD3F180197	SW8260B	6/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.061F**	0.06U	0.03U	0.03U
Duplicate	STLD3F180197	SW8260B	6/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.054F**	**0.11F**	0.03U	0.03U
	STLD3I170355	SW8260B	9/16/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.38F**	0.09U	**0.05F**	0.06U	0.03U	0.03U
	STLD3L180116	SW8260B	12/15/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.1F**	0.03U	0.03U
	STLD4F240326	SW8260B	06/22/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.054F**	0.06U	0.03U	0.03U
	STLD4I160208	SW8260B	09/15/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.38F**	0.09U	0.05U	**0.13F**	0.03U	0.03U
	STLD4L040200	SW8260B	12/03/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
Duplicate	STLD4L040200	SW8260B	12/03/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C170383	SW8260B	3/15/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/15/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
CS-9-NP	STLD3C250256	SW8260B	3/19/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.33F**	0.09U	0.05U	**3B**	0.03U	0.03U
CS-10	TDH		8/9/91	1.0U	NA	1.0U	1.0U	NA	1.0U	1.0U	1.0U	1.0U	NA	1.0U	1.0U	1.0U	--
	Parsons ES	SW8010/8020	11/5/92	0.5U	NA	0.5U	0.5U	NA	0.5U	NA	0.5U	**5.8**	NA	0.5U	NA	0.5U	5.0U
	Chemron	SW8010	5/26/94	1.0U	NA	0.5U	0.9U	NA	1.0U	1.0U	1.0U	1.0U	NA	0.3U	NA	1.2U	1.8U
	Chemron	SW8010	9/30/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	**8.0**	NA	1.0U	NA	1.0U	2.0U
	Chemron	SW8010	12/19/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	2.0U*
	Chemron	SW8260	3/30/95	0.6U	NA	0.6U	0.6U	NA	1.0U	0.8U	0.8U	0.8U	NA	1.0U	0.6U	0.4U	0.6U
	Chemron	SW8260	6/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	3U	2U	3U
	Chemron	SW8260	8/29/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	12./12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	2/26/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	ITS	SW8260	1/7/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	0.20U	0.33U	0.23U	NA	0.47U	0.16U	0.34U	0.40U
	ITS	SW8260B	10/23/97[1]	0.13U	NA	0.11R	0.10U	NA	0.23U	0.20U	0.33U	0.23U	NA	0.47U	0.160U	0.34U	0.40U
	DHL	SW8260B	11/6/98[1]	NA	NA	0.4U	NA	NA	NA	0.3U	0.2U	NA	NA	0.4U	NA	0.2U	NA
	O'B&G	SW8260B	9/10/99	0.025U	NA	0.061U	0.049U	NA	0.144U	0.145U	0.14U	**0.12F**	NA	0.087U	0.017U	0.06U	0.019U
	O'B&G	SW8260B	12/13/99	0.025U	NA	0.061U	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	0.087U	0.017U	0.06U	0.019U
	O'B&G	SW8260B	3/21/00**	0.025U	NA	**0.13F**	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	0.087U	NA	0.06U	0.019U
	O'B&G	SW8260B**	6/13/00**	0.011U	NA	**0.3**	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U	NA	0.01U	0.013U
	O'B&G	SW8260B**	9/13/00	0.011U	NA	**0.19F**	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U	NA	0.01U	0.013U

Appendix C
Groundwater VOC Analytical Results, 1991-2005

Well Number	Laboratory	Analytical Method	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi fluorometh ane (ug/L)	Dichloro-ethene, 1,1 (ug/L)	Dichloro-ethene, *cis* - 1,2 (ug/L)	Dichloro-ethene, *trans* - 1,2 (ug/L)	Dichloro-methane (methylene chloride) (ug/L)	Naphthalene (ug/L)	Tetra-chloroethene (ug/L)	Toluene (ug/L)	Trichloroeth ene (ug/L)	Vinyl chloride (ug/L)
	O'B&G	SW8260B	12/12/00	0.011U	NA	**0.18F**	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U*	NA	0.01U	0.013U
	O'B&G	SW8260B	3/19/01	0.011U	NA	**0.21F**	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	**0.11F**	NA	0.01U	0.013U
	AP18429	SW8260	6/12/2001	0.11U	NA	**0.26F**	0.15U	NA	0.23U	0.25U	0.26U	0.36U	0.19U	0.16U	0.07U	0.16U	0.18U
	AP22231	SW8260	9/17/2001	0.12U	NA	**0.29F**	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	0.11U	0.14U	0.27U
	AP26252/AP26257	SW8260	12/11/2001	0.12U	NA	**0.38**	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	AP30836	SW8260	3/19/2002	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	**0.46F**	0.08U	0.11U	0.11U	0.14U	0.27U
	STL	SW8260B	6/17/2002	0.03U	NA	**0.053F**	0.03U	NA	0.03M	0.09U	0.04U	0.2U	0.04U	0.04U	0.05U	0.05U	0.04U
	STL	SW8260B	9/10/2002	0.04U	NA	**0.4**	0.03U	NA	0.03U	0.09U	0.04U	0.2U	0.09U	**0.086F**	0.06U	0.03U	0.03U
	STL	SW8260B	12/10/2002	0.04U	NA	**0.56**	0.03U	NA	0.03U	0.09U	0.04U	0.2U	0.09U	**0.098F**	0.06U	0.03U	0.03U
	STLD3C250256	SW8260B	3/19/2003	0.04U	0.1U	**0.41**	0.03U	0.06U	0.03U	0.09U	0.04U	**0.29F**	0.09U	**0.09F**	**4.6B**	0.03U	0.03U
	STLD3F180197	SW8260B	6/17/2003	0.04U	0.1U	**0.39F**	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.072F**	0.06U	0.03U	0.03U
	STLD3I170355	SW8260B	9/16/2003	0.04U	0.1U	**0.77**	0.03U	0.06U	0.03U	0.09U	0.04U	**0.32F**	0.09U	**0.099F**	0.06U	0.03U	0.03U
Dulplicate	STLD3I170355	SW8260B	9/16/2003	0.04U	0.1U	**0.79**	0.03U	0.06U	0.03U	0.09U	0.04U	**0.33F**	0.09U	**0.097F**	0.06U	0.03U	0.03U
	STLD3L180116	SW8260B	12/16/2003	0.04U	0.1U	**0.11F**	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.089F**	0.03U	0.03U
	STLD4C120341	SW8260B	3/11/2004	0.04U	0.1U	**0.2F**	0.03U	0.06U	0.03U	0.09U	0.04U	**0.61F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4F240326	SW8260B	06/22/04	0.04U	0.1U	**0.18F**	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.055F**	0.06U	0.03U	0.03U
	STLD4I160208	SW8260B	09/15/04	0.04U	0.1U	**0.37**	0.03U	0.06U	**0.071F**	0.09U	0.04U	**0.36F**	0.09U	**0.074F**	0.06U	0.03U	0.03U
	STLD4L040200	SW8260B	12/03/04	0.19U	0.2U	**0.2F**	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C170383	SW8260B	3/15/2005	0.19U	0.2U	**0.19F**	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/15/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
CS-10-NP	STLD3C250256	SW8260B	3/19/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.31F**	0.09U	0.05U	**1.6B**	0.03U	0.03U
CS-11	TDH		8/9/91	1.0U	NA	1.0U	1.0U	NA	1.0U	1.0U	1.0U	1.0U	NA	1.0U	1.0U	1.0U	NA
	Chemron	SW8010	5/25/94	**1.9**	NA	**6.5**	**2.6**	**NA**	1.0U	1.0U	1.0U	1.0U	NA	0.3U	NA	1.2U	1.8U
Duplicate	Chemron	SW8010	5/25/94	**1.9**	NA	**6.0**	**2.6**	**NA**	1.0U	1.0U	1.0U	1.0U	NA	0.3U	NA	1.2U	1.8U
	Chemron	SW8010	9/30/94	1.0U	NA	**7.0**	1.0U	NA	1.0U	NA	1.0U	**7.0**	NA	1.0U	NA	1.0U	2.0U
	Chemron	SW8010	12/19/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	2.0U*
	Chemron	SW8260	3/30/95	0.6U	NA	0.6U	0.6U	NA	1.0U	0.8U	0.8U	0.8U	NA	1.0U	0.6U	0.4U	0.6U
	Chemron	SW8260	6/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	3U	2U	3U
	Chemron	SW8260	8/29/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	12/15/95	3U	NA	**10**	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	2/29/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	ITS	SW8260	1/20/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	0.20U	0.33U	0.23U	NA	0.47U	0.16U	0.34U	0.40U
	ITS	SW8260	10/23/97[1]	0.13U	NA	39.7J	0.10U	NA	0.23U	0.20U	0.33U	0.862	NA	0.47U	0.160U	0.34U	0.40U
	O'B&G	SW8260B	9/10/99	**0.233F**	NA	**52.647**	0.049U	NA	0.144U	0.145U	0.14U	**0.68F**	NA	0.087U	0.017U	0.06U	0.019U
	O'B&G	SW8260B	12/15/99	0.025U	NA	**0.32**	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	0.087U	0.017U	0.06U	0.019U
	O'B&G	SW8260B	3/21/00**	0.025U	NA	**0.45**	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	0.087U	NA	0.06U	0.019U
	O'B&G	SW8260B	6/14/00**	0.011U	NA	0.011U	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	**0.41F**	NA	0.01U	0.013U
	O'B&G	SW8260B	9/13/00**	0.011U	NA	**0.26F**	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	**0.41F**	NA	0.01U	0.013U
	O'B&G	SW8260B	12/12/01	0.011U	NA	0.011U	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U*	NA	0.01U	0.013U
	O'B&G	SW8260B	3/19/01	0.011U	NA	0.011U	0.012U	NA	0.025U	**0.38F**	0.077U	0.03U	NA	**0.16F**	NA	**0.2F**	0.013U
	AP26253/AP26258	SW8260	12/11/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	**0.3F**	0.14U	0.19U	0.08U	0.11U	0.11U	0.14U	0.27U
	STL EWGMK1AL	SW8260B	3/14/2002	0.027U	NA	**0.15F**	0.028U	NA	0.026U	0.093U	0.038U	0.2U	NA	**0.062F**	NA	0.05U	0.036U
	STL	SW8260B	6/17/2002	0.03U	NA	**0.13F**	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.04U	NA	0.05U	0.04U
	STL	SW8260B	9/10/2002	0.04U	NA	0.05U	0.03U	NA	**0.032F**	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STL	SW8260B	12/10/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STLD3C250212	SW8260B	3/19/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**2.3**	0.03U	0.03U
	STLD3F180197	SW8260B	6/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3I170358	SW8260B	9/16/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.37F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3L180113	SW8260B	12/16/2003	0.04U	0.1U	**0.11F**	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.098F**	0.03U	0.03U
	STLD4C120336	SW8260B	3/11/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03M	0.09U	0.04M	0.21M	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4F240332	SW8260B	06/22/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4L040205	SW8260B	12/03/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C170385	SW8260B	3/15/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
Duplicate	STLD5C170385	SW8260B	3/15/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/16/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	0.17U	0.17U	0.16U	0.21U

Appendix C
Groundwater VOC Analytical Results, 1991-2005

Well Number	Laboratory	Analytical Method	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi fluorometh ane (ug/L)	Dichloro-ethene, 1,1 (ug/L)	Dichloro-ethene, *cis* - 1,2 (ug/L)	Dichloro-ethene, *trans* - 1,2 (ug/L)	Dichloro-methane (methylene chloride) (ug/L)	Naphthalene (ug/L)	Tetra-chloroethene (ug/L)	Toluene (ug/L)	Trichloroeth ene (ug/L)	Vinyl chloride (ug/L)
CS-MW16-LGR	TDH		8/9/91	1.0U	NA	1.0U	1.0U	NA	1.0U	**127**	**127**	1.0U	NA	**137**	NA	**151**	NA
	TDH		8/23/91	1.0U	NA	1.0U	1.0U	NA	1.0U	**69**	**69**	1.0U	NA	**196**	NA	**509**	NA
	TWC		12/4/91	1.0U	NA	1.0U	1.0U	NA	1.0U	**84**	**84**	1.0U	NA	**54**	NA	**29**	NA
	Parsons ES	SW8010/8020	11/3/92	0.5U	NA	0.5U	0.5U	NA	0.5U	NA	0.5U	2.0U	NA	**47**	NA	**53**	5.0U
Top of water	Chemron	SW8010	5/26/94	1.0U	NA	0.5U	0.9U	NA	1.0U	**75**	1.0U	1.0U	NA	**75**	NA	**83**	1.8U
Bottom of well	Chemron	SW8010	5/26/94	1.0U	NA	0.5U	0.9U	NA	1.0U	**150**	**1.3**	1.0U	NA	**150**	NA	**170**	1.8U
	Chemron	SW8010	9/30/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	1.0U	NA	**81**	NA	**81**	2.0U
	Chemron	SW8010	12/19/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	1.0U	NA	**25**	NA	**21**	2.0U*
Duplicate	Chemron	SW8010	12/19/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	1.0U	NA	**24**	NA	**20**	2.0U*
	Chemron	SW8260	4/6/95	0.6U	NA	0.6U	0.6U	NA	1.0U	**270**	0.8U	0.8U	NA	**170**	0.6U	**170**	0.6U
	Chemron	SW8260	4/7/95	0.6U	NA	0.6U	0.6U	NA	1.0U	**280**	0.8U	0.8U	NA	**170**	0.6U	**170**	0.6U
Duplicate	Chemron	SW8260	4/7/95	0.6U	NA	0.6U	0.6U	NA	1.0U	**290**	0.8U	0.8U	NA	**160**	0.6U	**170**	0.6U
	Chemron	SW8260	6/14/95	3U	NA	3U	3U	NA	5U	**38**	4U	4U	NA	**39**	3U	**45**	3U
	Chemron	SW8260	8/30/95	3U	NA	3U	3U	NA	5U	**72**	4U	4U	NA	**78**	NA	**83**	NA
	Chemron	SW8260	12./13/95	3U	NA	3U	3U	NA	5 U	**63**	4U	4U	NA	**64**	NA	**77**	NA
	Chemron	SW8260	2/29/96	3U	NA	3U	3U	NA	5U	**152**	4U	4U	NA	**158**	NA	**175**	NA
	ITS	SW8260	1/21/97[1]	0.13 R	NA	0.11 R	0.10 R	NA	0.23R	51 R	0.33 R	0.23 R	NA	9.42 R	0.16U	29.8 R	0.40U
	ITS	SW8260	10/24/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	141 R	2.03	0.23U	NA	130 R	0.160U	134 R	0.40U
	DHL	SW8260B	11/6/98[1]	NA	NA	0.4U	NA	NA	NA	**212**	**1.61**	NA	NA	**204**	NA	**233**	NA
	O'B&G	SW8260B	9/14/99	0.025U	NA	**0.159F**	0.049U	NA	0.144U	**174.005**	**5.593**	0.06U	NA	**173.953**	0.017U	**220.87**	0.019U
	O'B&G	SW8260B	12/14/99	0.025U	NA	**0.19F**	0.049U	NA	0.144U	184.66 R	**9.59**	0.06U	NA	211.62 R	0.017U	215 R	0.019U
	O'B&G	SW8260B	12/14/99	0.025U	NA	**1.32F**	0.49U	NA	1.44U	**134.17**	**9.01**	**9.6 F**	NA	**160.83**	0.17U	**176.5**	0.19U
	O'B&G	SW8260B	4/27/00**	0.025U	NA	**0.14F**	0.049U	NA	0.144U	**118.87 R**	**3.18**	0.06U	NA	105.88 R	NA	118.7 R	0.019U
	O'B&G	SW8260B**	6/13/00**	0.055U	NA	0.055U	0.06U	NA	0.125U	**131.32**	**0.51F**	0.13U	NA	**128.96**	NA	**158.7**	0.065U
Duplicate	O'B&G	SW8260B**	6/13/00**	0.055U	NA	0.055U	0.06U	NA	0.125U	**131.11**	**0.56F**	0.13U	NA	**127.26**	NA	**157**	0.065U
	O'B&G	SW8260B**	6/13/00**	0.011U	NA	**0.12F**	0.012U	NA	0.025U	116.37R	**2.9**	0.03U	NA	96.02R	NA	118.6R	0.013U
Duplicate	O'B&G	SW8260B**	6/13/00**	0.011U	NA	**0.12F**	0.012U	NA	0.025U	113.47R	**2.76**	0.03U	NA	93.51R	NA	115R	0.013U
	O'B&G	SW8260B**	9/15/00**	0.011U	NA	**0.13F**	0.012U	NA	**0.12F**	**233.51**	**2.02**	0.03U	NA	**360.66**	NA	**368.7**	0.013U
	O'B&G	SW8260B	12/13/00	0.011U	NA	**0.11F**	0.012U	NA	0.025U	244.98R	**2.44**	0.03U	NA	199.66R	NA	221.6R	0.013U
	O'B&G	SW8260B	3/20/01	0.011U	NA	**0.13F**	0.012U	NA	0.025U	89.84R	**0.49F**	0.03U	NA	78.46R	NA	97.5R	0.013U
	AP18327	SW8260	6/13/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	**73.0**	0.26U	0.36U	NA	**75.0**	NA	**73.0**	0.18U
	AP22210	SW8260	9/13/2001	0.12U	NA	**0.15F**	0.09U	NA	0.16U	**150.0**	**1.5**	0.19U	NA	**140.0**	NA	**170.0**	0.27U
	AP26533/AP26519	SW8260	12/14/2001	0.12U	NA	**0.14F**	0.09U	NA	0.16U	**141.7**	**0.22F**	0.19U	NA	**148.43**	NA	**164.54**	0.27U
	STL EWGMG1AL	SW8260B	3/14/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	**22**	**0.052F**	0.2U	NA	**28**	NA	**26**	0.036U
	STL	SW8260B	6/18/2002	0.03U	NA	**0.096F**	0.03U	NA	0.03U	**100.0**	**3.9**	0.2U	NA	**95.0**	NA	**100**	0.04U
Well Upgraded	STL	SW8260B	9/9/2002	0.04U	NA	**0.071F**	0.03U	NA	0.03U	**59.0**	**0.23F**	0.2U	0.09U	**54.0**	**0.45F**	**61.0**	0.03U
	STL	SW8260B	12/12/2002	0.04U	NA	**0.096F**	0.03U	NA	**0.045F**	**110**	**0.54F**	**0.32F**	NA	**93**	NA	**120**	0.03U
	STLD3C250212	SW8260B	3/21/2003	0.04U	0.1U	**0.11F**	0.03U	0.06U	**0.052F**	**110**	**0.48F**	0.2U	0.09U	**90**	**3.5J**	**110.0**	0.03U
Duplicate	STLD3C250212	SW8260B	3/21/2003	0.04U	0.1U	**0.1F**	0.03U	0.06U	**0.038F**	**110**	**3.4**	0.2U	0.09U	**86**	**5.6J**	**110.0**	0.03U
	STLD3F200337	SW8260B	6/19/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**15**	**0.5F**	0.2U	0.09U	**18**	0.06U	**18**	0.03U
	STLD3I190397	SW8260B	9/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**8.6**	**0.27F**	**0.4F**	0.09U	**12**	0.06U	**11**	0.03U
Duplicate	STLD3I190397	SW8260B	9/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**8.3**	0.04U	**0.34F**	0.09U	**11**	0.06U	**10**	0.03U
	STLD3L120400	SW8260B	12/10/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	**10**	0.04U	**0.21F**	0.09R	**14**	0.06U	**13**	0.03U
	STLD4C120336	SW8260B	3/11/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03M	**8.3**	0.047M	0.27M	0.09U	**12**	0.06U	**10**	0.03U
	STLD4F170404	SW8260B	06/16/04	0.04U	0.1U	**0.054F**	0.03U	0.06U	0.03U	**48**	**0.15F**	0.2U	0.09U	**48**	0.06U	**56**	0.03U
	STLD4I090263	SW8260B	09/08/04	0.04U	0.1U	**0.081F**	0.03U	0.06U	**0.04F**	**71**	**0.26F**	**0.54F**	0.09U	**64**	0.06U	**80**	0.03U
	STLD4L040205	SW8260B	12/03/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**32**	0.16U	**0.24F**	0.23U	**29**	0.17U	**35**	0.21U
	STLD5C090399	SW8260B	3/7/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**67**	**0.2F**	0.17U	0.23U	**55**	0.17U	**74**	0.21U
	STLD5F170398	SW8260B	06/08/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**17**	0.16U	0.17U	0.23U	**18**	0.17U	**19**	0.21U
CS-MW16-CC	STLD3I170355	SW8260B	9/16/2003	0.8U	2U	1U	0.6U	1.2U	0.6U	**93**	**4.4F**	**8.3F**	1.8U	**33**	**2.8F**	**78**	**1.3F**
	STLD4C120336	SW8260B	3/10/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.33M	**110**	6M	0.79M	0.09U	**28**	**0.39F**	**110**	**0.29F**
	STLD4F170404	SW8260B	06/16/04	0.04U	0.1U	0.05U	0.03U	0.06U	**0.58F**	**120**	**1.8**	0.2U	0.09U	**55**	0.06U	**120**	0.03U
	STLD4I090263	SW8260B	09/08/04	0.04U	0.1U	0.05U	0.03U	0.06U	**0.51F**	**88**	**1.5**	**0.55F**	0.09U	**50**	0.06U	**88**	**0.19F**
	STLD4L040205	SW8260B	12/03/04	0.19U	0.2U	0.15U	0.19U	0.19U	**0.37F**	**90**	**2.3**	0.17U	0.23U	**36**	0.17U	**89**	**0.26F**
	STLD5C090399	SW8260B	3/7/2005	0.19U	0.2U	0.15U	0.19U	0.19U	**0.42F**	**71**	**1.2**	0.17U	0.23U	**30**	0.17U	**75**	0.21U
	STLD5F170398	SW8260B	06/08/05	0.19U	0.2U	0.15U	0.19U	0.19U	**0.37F**	**71**	**1.1**	0.17U	0.23U	**25**	0.17U	**74**	0.21U

Appendix C
Groundwater VOC Analytical Results, 1991-2005

Well Number	Laboratory	Analytical Method	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi fluorometh ane (ug/L)	Dichloro-ethene, 1,1 (ug/L)	Dichloro-ethene, *cis* - 1,2 (ug/L)	Dichloro-ethene, *trans* - 1,2 (ug/L)	Dichloro-methane (methylene chloride) (ug/L)	Naphthalene (ug/L)	Tetra-chloroethene (ug/L)	Toluene (ug/L)	Trichloroeth ene (ug/L)	Vinyl chloride (ug/L)
CS-D	TWC		12/4/91	1.0U	NA	1.0U	1.0U	NA	1.0U	**43**	**43**	1.0U	NA	1.0U	NA	1.0U	NA
Bottom of well	Parsons ES	SW8010/8020	11/3/92	0.5U	NA	0.5U	0.5U	NA	0.5U	NA	0.5U	**4.7**	NA	**8.9**	NA	**15**	5.0U
Top of water	Parsons ES	SW8010/8020	11/3/92	0.5U	NA	0.5U	0.5U	NA	0.5U	NA	0.5U	**5.9**	NA	**8.6**	NA	**15**	5.0U
	Chemron	SW8010	5/26/94	1.0U	NA	0.5U	0.9U	NA	1.0U	**76**	1.0U	1.0U	NA	**82**	NA	**120**	1.8U
	Chemron	SW8010	9/30/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	1.0U	NA	**110**	NA	**130**	2.0U
	Chemron	SW8010	12/19/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	1.0U	NA	**99**	NA	**130**	2.0U*
Duplicate	Chemron	SW8010	12/19/94	1.0U	NA	1.0U	1.0U	NA	1.0U	**240**	1.0U	1.0U	NA	**120**	NA	**130**	2.0U*
	Chemron	SW8260	4/6/95	0.6U	NA	0.6U	0.6U	NA	1.0U	**240**	0.8U	0.8U	NA	**110**	0.6U	**130**	0.6U
	Chemron	SW8260	6/14/95	3U	NA	3U	3U	NA	5U	**120**	4U	4U	NA	**64**	3U	**99**	3U
	Chemron	SW8260	8/30/95	3U	NA	3U	3U	NA	5U	**86**	4U	4U	NA	**80**	NA	**88**	NA
	Chemron	SW8260	12/12/95	3U	NA	3U	3U	NA	5U	**130**	4U	4U	NA	**110**	NA	**150**	NA
	Chemron	SW8260	2/29/96	3U	NA	3U	3U	NA	5U	**81**	4U	4U	NA	**72**	NA	**98**	NA
	ITS	SW8260	1/20/97[1]	0.13 R	NA	0.11 R	0.10 R	NA	0.23 R	0.20 R	0.33 R	0.23 R	NA	0.47 R	0.16U	0.34 R	0.40U
	ITS	SW8260	10/24/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	145 R	14.6	0.23U	NA	140 R	0.160U	160 R	0.40U
	O'B&G	SW8260B	9/10/99	Water level belo	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	O'B&G	SW8260B	12/14/99	Water level belo	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	O'B&G	SW8260B	3/21/00**	Water level belo	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	O'B&G	SW8260B**	6/12/00**	Water level belo	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	O'B&G	SW8260B**	9/13/00**	Water level belo	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	O'B&G	SW8260B	12/13/00	0.011U	NA	0.011U	0.012U	NA	0.025U	133.99R	**1.48**	0.03U	NA	108.54R	NA	150.7R	0.013U
	O'B&G	SW8260B	3/20/01	0.011U	NA	**0.11F**	0.012U	NA	0.025U	61.68R	**1.93**	0.03U	NA	50.53R	NA	68.7R	0.013U
	AP18326	SW8260	6/13/2001	0.11U	NA	**0.17F**	0.15U	NA	0.23U	140R	**0.94**	0.36U	NA	120R	NA	150R	0.18U
	AP18326	SW8260	6/13/2001	NA	NA	NA	NA	NA	NA	**130.0**	NA	NA	NA	**110.0**	NA	**140.0**	NA
	AP22209	SW8260	9/13/2001	0.12U	NA	**0.15F**	0.09U	NA	0.16U	**140.0**	**0.61**	0.19U	NA	**120.0**	NA	**170.0**	0.27U
	AP26531/AP26527	SW8260	12/14/2001	0.12U	NA	**0.15F**	0.09U	NA	0.16U	145.19R	**0.46F**	**0.77F**	NA	130.14R	NA	178.59R	0.27U
Duplicate	AP26532/AP26528	SW8260	12/14/2001	0.12U	NA	**0.16F**	0.09U	NA	0.16U	145.11R	**0.43F**	**0.83F**	NA	129.12R	NA	178.61R	0.27U
	STL EWGME1AL	SW8260B	3/14/2002	0.27U	NA	0.27U	0.28U	NA	0.26U	**150**	**1.5F**	**4.9F**	NA	**100**	NA	**160**	0.36U
	STL	SW8260B	6/18/2002	0.03U	NA	**0.1F**	0.03U	NA	0.03U	**140**	**2.5**	0.2U	NA	**110**	NA	**150**	0.04U
	STL	SW8260B	9/9/2002	0.04U	NA	**0.2F**	0.03U	NA	**0.12F**	**230**	**1.5**	0.2U	NA	**170**	NA	250R	0.03U
	STL	SW8260B	12/12/2002	0.04U	NA	**0.2F**	0.03U	NA	**0.091F**	**230**	**1**	0.2U	NA	**180**	NA	**250**	0.03U
Duplicate	STL	SW8260B	12/12/2002	0.04U	NA	**0.18F**	0.03U	NA	**0.066F**	**230.0**	**1.4**	0.2U	NA	**180**	NA	**260.0**	0.03U
	STLD3C250212	SW8260B	3/20/2003	0.04U	0.1U	**0.21F**	0.03U	0.06U	**0.061F**	**250.0**	**12J**	0.2U	0.09U	**180.0**	**1.3J**	**260.0**	**0.03**
Duplicate	STLD3C250212	SW8260B	3/20/2003	0.04U	0.1U	**0.2F**	0.03U	0.06U	**0.084F**	**250**	**1.2J**	0.2U	0.09U	**180.0**	**2.7J**	**260.0**	0.03U
	STLD3F200337	SW8260B	6/19/2003	0.53U	1.3U	0.67U	0.4U	0.8U	0.4U	**270**	**1.1F**	2.7U	1.2U	**200**	0.8U	**290**	0.4U
	STLD3I190397	SW8260B	9/18/2003	0.04U	0.1U	**0.23F**	0.03U	0.06U	**0.15F**	**270**	**0.93**	**0.49F**	0.09U	**220**	0.06U	**300**	**0.062F**
	STLD3L120400	SW8260B	12/10/2003	0.04U	0.1U	**0.23F**	0.03U	0.06U	**0.092F**	**270**	**2.1**	0.2U	0.09U	**230**	0.06U	**290**	0.03U
	STLD4C120336	SW8260B	3/11/2004	0.04U	0.1U	**0.2F**	0.03U	0.06U	0.077M	**210**	1.5M	0.73M	0.09U	**160**	0.06U	**220**	0.03U
	STLD4F170404	SW8260B	06/16/04	0.04U	0.1U	**0.21F**	0.03U	0.06U	0.03U	**220**	**0.91**	0.2U	0.09U	**180**	0.06U	**250**	0.03U
Duplicate	STLD4F170404	SW8260B	06/16/04	0.04U	0.1U	**0.2F**	0.03U	0.06U	**0.075F**	**230**	**0.74**	0.2U	0.09U	**170**	0.06U	**250**	0.03U
	STL	SW8260B	09/08/04	0.04U	0.1U	**0.2F**	0.03U	0.06U	**0.085F**	**230**	**0.92**	**0.5F**	0.09U	**160**	0.06U	**230**	0.03U
Duplicate	STLD4I090263	SW8260B	09/08/04	0.04U	0.1U	**0.2F**	0.03U	0.06U	**0.078F**	**230**	**1.1**	**0.5F**	0.09U	**170**	0.06U	**240**	0.03U
	STLD4L080442	SW8260B	12/07/04	0.19U	0.2U	**0.19F**	0.19U	0.19U	0.17U	**200**	**0.75**	0.17U	0.23U	**140**	0.17U	**210**	0.21U
	STLD5C150315	SW8260B	3/14/2005	0.19U	0.2U	**0.17F**	0.19U	0.19U	0.17U	**180**	**0.53F**	0.17U	0.23U	**110**	0.17U	**170**	0.21U
	STLD5F170398	SW8260B	06/08/05	0.19U	0.2U	**0.2F**	0.19U	0.19U	0.17U	**230**	**2**	0.17U	0.23U	**160**	0.17U	**220**	0.21U
CS-MWG-LGR	Parsons ES	SW8010/8020	11/3/92	0.5U	NA	0.5U	0.5U	NA	0.5U	NA	0.5U	**2.3**	NA	0.5U	NA	0.5U	5.0U
	Chemron	SW8010	5/26/94	1.0U	NA	0.5U	0.9U	NA	1.0U	1.0U	1.0U	1.0U	NA	0.3U	NA	1.2U	1.8U
	Chemron	SW8010	9/30/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	**6.0**	NA	1.0U	NA	1.0U	2.0U
	Chemron	SW8010	12/19/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	2.0U*
	Chemron	SW8260	4/7/95	0.6U	NA	0.6U	0.6U	NA	1.0U	0.8U	0.8U	0.8U	NA	1.0U	0.6U	0.4U	0.6U
	Chemron	SW8260	6/14/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	3U	2U	3U
	Chemron	SW8260	8/29/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	12./12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	2/28/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	ITS	SW8260	1/17/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	0.20U	0.33U	0.23U	NA	0.47U	0.16U	0.34U	0.40U
	ITS	SW8260	10/24/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	0.20U	0.33U	0.23U	NA	0.47U	0.160U	0.34U	0.40U
	O'B&G	SW8260B	9/8/99	0.114U	NA	0.061U	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	0.087U	**0.155F**	0.06U	0.019U
	AP18432	SW8260	6/12/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	0.19U	0.16U	0.07U	0.16U	0.18U
	AP22201	SW8260	9/12/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U

Appendix C
Groundwater VOC Analytical Results, 1991-2005

Well Number	Laboratory	Analytical Method	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi fluorometh ane (ug/L)	Dichloro-ethene, 1,1 (ug/L)	Dichloro-ethene, *cis* - 1,2 (ug/L)	Dichloro-ethene, *trans* - 1,2 (ug/L)	Dichloro-methane (methylene chloride) (ug/L)	Naphthalene (ug/L)	Tetra-chloroethene (ug/L)	Toluene (ug/L)	Trichloroeth ene (ug/L)	Vinyl chloride (ug/L)
	AP26733	SW8260	12/18/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	**0.4F**	NA	0.11U	NA	0.14U	0.27U
	STL EWE0L1AL	SW8260B	3/13/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	**0.24F**	NA	0.036U	NA	0.05U	0.036U
	STL	SW8260B	6/19/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.04U	NA	0.05U	0.04U
Well Upgraded	STL	SW8260B	9/11/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.06**	0.03U	0.03U
	STL	SW8260B	12/11/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STLD3C240193	SW8260B	3/17/2003	0.04R	0.1R	0.05R	0.03R	0.06R	0.03R	0.09R	0.04R	0.2R	0.09R	0.05R	0.33R	0.03R	0.03R
	STLD3F180197	SW8260B	6/16/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3I190397	SW8260B	9/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.32F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3L100321	SW8260B	12/9/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.24F**	0.09U	0.05U	0.06U	0.03U	0.03U
Duplicate	STLD3L100321	SW8260B	12/9/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09R	0.05U	0.06U	0.03U	0.03U
	STLD4C170386	SW8260B	3/16/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.3F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4F170404	SW8260B	06/15/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I090263	SW8260B	09/07/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.47F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4L010327	SW8260B	11/29/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C150315	SW8260B	3/14/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/07/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
CS-MWH-LGR	Parsons ES	SW8010/8020	11/4/92	0.5U	NA	0.5U	0.5U	NA	0.5U	NA	0.5U	**3.4**	NA	0.5U	NA	0.5U	5.0U
	Chemron	SW8010	5/25/94	1.0U	NA	0.5U	0.9U	NA	1.0U	1.0U	1.0U	1.0U	NA	0.3U	NA	1.2U	1.8U
	Chemron	SW8260	4/25/95	0.6U	NA	0.6U	0.6U	NA	1.0U	0.8U	0.8U	0.8U	NA	1.0U	0.6U	0.4U	0.6U
	Chemron	SW8260	12/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	2/28/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	ITS	SW8260	1/7/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	0.20U	0.33U	0.23U	NA	0.47U	0.16U	0.34U	0.40U
	ITS	SW8260B	10/23/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	0.20U	0.33U	0.23U	NA	0.47U	0.160U	0.34U	0.40U
	AP18433	SW8260	6/12/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	0.19U	0.16U	**0.31F**	0.16U	0.18U
	AP22202	SW8260	9/12/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	AP26732	SW8260	12/18/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	STL EWE0K1AL	SW8260B	3/13/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	**0.2F**	NA	0.036U	NA	0.05U	0.036U
	STL	SW8260B	6/19/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	0.09U	0.04U	**0.23F**	NA	0.04U	NA	0.05U	0.04U
Well Upgraded	STLD3C240193	SW8260B	3/17/2003	0.04U	**0.1**	0.05U	**0.03**	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**4B**	0.03U	0.03U
	STLD3I170358	SW8260B	9/16/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.35F**	0.09U	0.05U	**9.2**	0.03U	0.03U
	STLD3L100321	SW8260B	12/9/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**3.3**	0.03U	0.03U
	STLD4C170386	SW8260B	3/16/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.28F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4F170404	SW8260B	06/15/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I090263	SW8260B	09/07/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.51F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4L010327	SW8260B	11/29/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C150315	SW8260B	3/11/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/06/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
CS-I	Parsons ES	SW8010/8020	11/4/92	0.5U	NA	0.5U	0.5U	NA	0.5U	NA	0.5U	2.0U	NA	0.5U	NA	0.5U	5.0U
	Chemron	SW8010	5/25/94	1.0U	NA	0.5U	0.9U	NA	1.0U	1.0U	1.0U	1.0U	NA	0.3U	NA	1.2U	1.8U
	Chemron	SW8010	9/30/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	**3.0**	NA	1.0U	NA	1.0U	2.0U
	Chemron	SW8010	12/19/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	2.0U*
	Chemron	SW8260	4/7/95	0.6U	NA	0.6U	0.6U	NA	1.0U	0.8U	0.8U	0.8U	NA	1.0U	0.6U	0.4U	0.6U
Duplicate	Chemron	SW8260	4/7/95	0.6U	NA	0.6U	0.6U	NA	1.0U	0.8U	0.8U	0.8U	NA	1.0U	0.6U	0.4U	0.6U
	Chemron	SW8260	6/14/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	3U	2U	3U
Duplicate	Chemron	SW8260	6/14/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	8/29/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	12/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	SW8260	3/1/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	ITS	SW8260B	10/23/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	0.20U	0.33U	0.23U	NA	0.47U	0.160U	0.34U	0.40U
	O'B&G	SW8260B	9/7/99	0.025U	NA	0.061U	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	0.087U	0.017U	0.06U	0.019U
	O'B&G	SW8260B	12/14/99	0.025U	NA	0.061U	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	0.087U	0.017U	0.06U	0.019U
	O'B&G	SW8260B	3/22/00**	0.025U	NA	0.061U	0.049U	NA	0.144U	0.145U	0.14U	0.06U	NA	0.087U	NA	0.06U	0.019U
	O'B&G	SW8260B	6/13/00**	0.011U	NA	0.011U	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U	NA	0.01U	0.013U
	O'B&G	SW8260B	9/15/00**	0.011U	NA	0.011U	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U	NA	0.01U	0.013U
	O'B&G	SW8260B	12/12/00	0.011U	NA	0.011U	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U*	NA	0.01U	0.013U
	O'B&G	SW8260B	3/20/01	0.011U	NA	0.011U	0.012U	NA	0.025U	0.062U	0.077U	0.03U	NA	0.008U	NA	0.01U	0.013U
	AP18434	SW8260	6/12/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	0.19U	0.16U	0.07U	0.16U	0.18U
	AP22206	SW8260	9/12/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	AP26642/AP26639	SW8260	12/17/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U

Appendix C
Groundwater VOC Analytical Results, 1991-2005

Well Number	Laboratory	Analytical Method	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi fluorometh ane (ug/L)	Dichloro-ethene, 1,1 (ug/L)	Dichloro-ethene, *cis* - 1,2 (ug/L)	Dichloro-ethene, *trans* - 1,2 (ug/L)	Dichloro-methane (methylene chloride) (ug/L)	Naphthalene (ug/L)	Tetra-chloroethene (ug/L)	Toluene (ug/L)	Trichloroeth ene (ug/L)	Vinyl chloride (ug/L)
	STL EWE0M1AL	SW8260B	3/13/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	**0.23F**	NA	0.036U	NA	0.05U	0.036U
	STLD3I260150	SW8260B	9/24/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.34F**	0.09U	0.05U	**23**	0.03U	0.03U
	STLD3L100321	SW8260B	12/9/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.22F**	0.03U	0.03U
	STLD4C170386	SW8260B	3/16/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.29F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4F170404	SW8260B	06/15/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I090263	SW8260B	09/07/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.49F**	0.09U	**0.054F**	0.06U	**0.041F**	0.03U
	STLD4L010327	SW8260B	11/29/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C150315	SW8260B	3/11/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/06/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
CS-MW1-LGR	ITS	SW8260	1/9/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	3.92	0.33U	0.23U	NA	13.7	0.16U	12.3	0.40U
	ITS	SW8260	10/23/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	29.6 R	2.47 R	0.23U	NA	24.8 R	0.160U	32.9 R	0.40U
	DHL	SW8260B	11/6/98[1]	NA	NA	0.4U	NA	NA	NA	**27.3**	**0.34**	NA	NA	**23**	NA	**28.5**	NA
	O'B&G	SW8260B	9/8/99	0.025U	NA	0.061U	0.049U	NA	0.144U	**15.802**	**2.027**	0.06U	NA	**15.232**	0.017U	**25.13**	0.019U
	O'B&G	SW8260B	12/13/99	0.025U	NA	0.061U	0.049U	NA	0.144U	**3.91**	0.14U	0.06U	NA	**5.58**	0.017U	**5.3**	0.019U
	O'B&G	SW8260B	3/22/00**	0.025U	NA	0.061U	0.049U	NA	0.144U	**2.3**	**0.15F**	0.06U	NA	**3.13**	NA	**3**	0.019U
	O'B&G	SW8260B	6/12/00**	0.011U	NA	0.011U	0.012U	NA	0.025U	**2.68**	**0.16F**	0.03U	NA	**3.21**	NA	**3.6**	0.013U
	O'B&G	SW8260B	9/18/00**	0.011U	NA	0.011U	0.012U	NA	0.025U	**26.38**	**0.18F**	0.03U	NA	**25.44**	NA	**25**	0.013U
	O'B&G	SW8260B	12/13/00	0.011U	NA	0.011U	0.012U	NA	0.025U	**16.94**	**1.36**	0.03U	NA	**15.76**	NA	**16.8**	0.013U
	O'B&G	SW8260B	3/20/01	0.011U	NA	0.011U	0.012U	NA	0.025U	**27.5**	**2.55**	0.03U	NA	**24.56**	NA	**27.8**	0.013U
	AP18324	SW8260	6/13/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	**27.0**	**0.27F**	0.36U	NA	**21.0**	NA	**30.0**	0.18U
	AP22212	SW8260	9/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	**29.0**	**0.26F**	0.19U	NA	**24.0**	NA	**30.0**	0.27U
	AP26362/AP26368	SW8260	12/12/2001	0.12U	NA	**0.07F**	0.09U	NA	0.16U	**27.7**	**0.23F**	0.19U	NA	**22.84**	NA	**32.29**	0.27U
	STL EWGML2AL	SW8260B	3/14/2002	0.11U	NA	0.11U	0.11U	NA	0.1U	**26**	0.15U	0.8U	NA	**19**	NA	**30**	0.14U
Duplicate	STL EWGMM2AL	SW8260B	3/14/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	**27**	**1.6**	0.2U	NA	**16**	NA	**29**	0.036U
Well Upgraded	D2I110315	SW8260B	9/10/2002	0.04U	NA	**0.085F**	0.03U	NA	**0.045F**	**17.0**	**0.19F**	0.2U	0.09U	**12.0**	0.06U	**25.0**	0.03U
	STL	SW8260B	12/16/2002	0.04U	NA	**0.078F**	0.03U	NA	0.03U	**28**	**0.26F**	**0.3F**	NA	**17.0**	NA	**31.0**	0.03U
	STLD3C250212	SW8260B	3/20/2003	0.04U	0.1U	**0.091F**	0.03U	0.06U	0.03U	**25.0**	**0.22F**	0.2U	0.09U	**13.0**	**5.2J**	**30.0**	**0.032F**
	STLD3F200337	SW8260B	6/19/2003	0.04U	0.1U	**0.11F**	0.03U	0.06U	0.03U	17M	**0.18F**	0.2U	0.09U	**9.9**	0.06U	**26M**	0.03U
	STLD3I170358	SW8260B	9/15/2003	0.04U	0.1U	**0.12F**	0.03U	0.06U	0.03U	**17**	**0.22F**	**0.31F**	0.09U	**11**	0.06U	**26**	0.03U
	STLD3L120400	SW8260B	12/10/2003	NA	0.1U	**0.1F**	0.03U	0.06U	0.03U	**16**	**0.13F**	**0.3F**	0.09R	**10**	0.06U	**26**	0.03U
	STLD4C100292	SW8260B	3/9/2004	0.04U	0.1U	**0.12F**	0.03U	0.06U	0.03U	**17**	**0.17F**	**0.64F**	0.09U	**9.4**	0.06U	**24**	0.03U
	STLD4F180203	SW8260B	06/17/04	0.04U	0.1U	**0.11F**	0.03U	0.06U	0.03U	**33**	**0.33F**	0.2U	0.09U	**19**	0.06U	**33**	0.03U
	STLD4I090263	SW8260B	09/08/04	0.04U	0.1U	**0.12F**	0.03U	0.06U	0.03U	**23**	**0.25F**	**0.54F**	0.09U	**16**	0.06U	**31**	0.03U
	STLD4L010327	SW8260B	11/30/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**50**	**0.71**	0.17U	0.23U	**41**	0.17U	**40**	0.21U
Duplicate	STLD4L010327	SW8260B	11/30/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**54**	**0.61**	0.17U	0.23U	**35**	0.17U	**40**	0.21U
	STLD5C090399	SW8260B	3/7/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**47**	**0.59F**	0.17U	0.23U	**28**	0.17U	**37**	0.21U
	STLD5F170398	SW8260B	06/13/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**19**	**0.25F**	0.17U	0.23U	**13**	0.17U	**26**	0.21U
CS-MW1-BS	STLD3C260199	SW8260B	3/25/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**1.3**	0.04U	0.2U	0.09U	**0.19F**	**9.9**	**0.24F**	0.03U
	STLD3F180197	SW8260B	6/16/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**1.1F**	0.04U	0.2U	0.09U	0.05U	**26**	**0.17F**	**0.069F**
	STLD3I170358	SW8260B	9/15/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.71F**	0.04U	**0.33F**	**0.11F**	0.05U	**18**	0.03U	0.03U
	STLD3L120400	SW8260B	12/10/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	**0.27F**	0.04U	0.2U	0.09R	0.05U	**8.5**	**0.11F**	0.03U
	STLD4C100292	SW8260B	3/9/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.12F**	0.04U	**0.62F**	0.09U	0.05U	**1.8**	**0.056F**	0.03U
	STLD4G270299	SW8260B	07/26/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.19F**	0.04U	0.2U	0.09U	0.05U	**2.2**	**0.053F**	0.03U
Duplicate	STLD4G270299	SW8260B	07/26/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.2F**	0.04U	0.2U	0.09U	0.05U	**2.2**	**0.044F**	0.03U
	STLD4I090263	SW8260B	09/08/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.21F**	0.04U	**0.54F**	0.09U	0.05U	**1.8**	**0.062F**	0.03U
	STLD4L010327	SW8260B	11/30/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**0.25F**	0.16U	0.17U	0.23U	0.17U	**1.2**	0.16U	0.21U
	STLD5C090399	SW8260B	3/7/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**0.29F**	0.16U	0.17U	0.23U	0.17U	**0.89F**	0.16U	0.21U
	STLD5F170398	SW8260B	06/13/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**0.21F**	0.16U	0.17U	0.23U	0.17U	**0.49F**	0.16U	0.21U
CS-MW1-CC	STLD3C260199	SW8260B	3/25/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.54F**	0.03U	0.03U
	STLD3F180197	SW8260B	6/16/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.1F**	0.03U	**0.052F**
	STLD3I170358	SW8260B	9/15/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.35F**	0.09U	0.05U	**0.099F**	0.03U	0.03U
	STLD3L120400	SW8260B	12/10/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09R	0.05U	**0.15F**	0.03U	0.03U
Duplicate	STLD3L120400	SW8260B	12/10/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.27F**	0.09R	0.05U	**0.12F**	0.03U	0.03U
	STLD4C120336	SW8260B	3/11/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03M	0.09U	0.04M	0.27M	0.09U	0.05U	**0.28F**	0.03U	0.03U
	STLD4G270299	SW8260B	07/26/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I090263	SW8260B	09/08/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.52F**	0.09U	0.05U	**0.086F**	0.03U	0.03U
	STLD4L010327	SW8260B	11/30/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C090399	SW8260B	3/7/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U

Appendix C
Groundwater VOC Analytical Results, 1991-2005

Well Number	Laboratory	Analytical Method	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi fluorometh ane (ug/L)	Dichloro-ethene, 1,1 (ug/L)	Dichloro-ethene, *cis* - 1,2 (ug/L)	Dichloro-ethene, *trans* - 1,2 (ug/L)	Dichloro-methane (methylene chloride) (ug/L)	Naphthalene (ug/L)	Tetra-chloroethene (ug/L)	Toluene (ug/L)	Trichloroeth ene (ug/L)	Vinyl chloride (ug/L)
	STLD5F170398	SW8260B	06/13/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
CS-MW2-LGR	ITS	SW8260	1/10/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	**1.14 F**	0.33U	0.23U	NA	6.74	0.16U	7	0.40U
	ITS	SW8260	10/24/97[1]	0.13U	NA	0.11U	0.10U	NA	0.23U	4.72	0.33U	0.23U	NA	6.13	0.160U	8.25	0.4U
	DHL		11/6/98[1]	NA	NA	0.4U	NA	NA	NA	**4.4**	0.2U	NA	NA	**9.33**	NA	**9.62**	NA
	O'B&G		9/9/99	0.025U	NA	0.061U	0.049U	NA	0.144U	**3.54**	**0.206F**	**0.13F**	NA	**9.236**	0.017U	**7.47**	0.019U
	O'B&G	SW8260B	12/13/99	0.025U	NA	0.061U	0.049U	NA	0.144U	**4.58**	0.14U	0.06U	NA	**13.97**	0.017U	**9.2**	0.019U
Duplicate	O'B&G	SW8260B	12/13/99	0.025U	NA	0.061U	0.049U	NA	0.144U	**4.37**	0.14U	0.06U	NA	**13.37**	0.017U	**9**	0.019U
	O'B&G	SW8260B	3/22/00**	0.025U	NA	0.061U	0.049U	NA	0.144U	**4.03**	**0.2F**	0.06U	NA	**11.37**	NA	**7.9**	0.019U
Duplicate	O'B&G	SW8260B	3/22/00**	0.025U	NA	0.061U	0.049U	NA	0.144U	**3.95**	**0.18F**	0.06U	NA	**10.87**	NA	**7.6**	0.019U
	O'B&G	SW8260B	6/12/00**	0.011U	NA	0.011U	0.012U	NA	0.025U	**3.50**	**0.22F**	0.03U	NA	**9.56**	NA	**6.7**	0.013U
	O'B&G	SW8260B	9/18/00**	0.011U	NA	0.011U	0.012U	NA	0.025U	**4.15**	**0.19F**	0.03U	NA	**11.58**	NA	**7.6**	0.013U
Duplicate	O'B&G	SW8260B	9/18/00**	0.011U	NA	0.011U	0.012U	NA	0.025U	**4.38**	**0.21F**	0.03U	NA	**13.85**	NA	**8.2**	0.013U
	O'B&G	SW8260B	12/12/00	0.011U	NA	0.011U	0.012U	NA	0.025U	**2.78**	**0.2F**	0.03U	NA	**5.83J**	NA	**5.7**	0.013U
Duplicate	O'B&G	SW8260B	12/12/00	0.011U	NA	0.011U	0.012U	NA	0.025U	**2.86**	**0.16F**	0.03U	NA	**7.4J**	NA	**6.3**	0.013U
	O'B&G	SW8260B	3/20/01	0.011U	NA	0.011U	0.012U	NA	0.025U	**4.58**	**0.27F**	0.03U	NA	**9.23**	NA	**9.5**	0.013U
Duplicate	O'B&G	SW8260B	3/20/01	0.011U	NA	0.011U	0.012U	NA	0.025U	**4.63**	**0.27F**	0.03U	NA	**9.31**	NA	**9.8**	0.013U
	AP18325	SW8260	6/13/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	**3.1**	0.26U	0.36U	NA	**7.1**	NA	**6.5**	0.18U
	AP22211	SW8260	9/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	**4.6**	**0.19F**	0.19U	NA	**13.0**	NA	**9.4**	0.27U
	AP26363/AP26369	SW8260	12/12/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	**3.95**	**0.15F**	0.19U	NA	**10.6**	NA	**8.94**	0.27U
Duplicate	AP26364/AP26370	SW8260	12/12/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	**4.06**	**0.16F**	0.19U	NA	**10.46**	NA	**8.97**	0.27U
	STL EWGMJ1AL	SW8260B	3/14/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	**4**	**0.1F**	0.2U	NA	**9.1**	NA	**7.1**	0.036U
Well Upgraded	STL	SW8260B	9/10/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	**1.1F**	**0.055F**	0.2U	0.09U	**2.9**	**0.071F**	**2.0**	0.03U
	STL	SW8260B	12/13/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	**1.3**	**0.057F**	0.2U	NA	**2.1**	NA	**1.8**	0.03U
	STLD3C250212	SW8260B	3/20/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**1.4**	0.04R	0.2U	0.09U	**2.2**	**5.7J**	**2.1**	**0.032F**
	STLD3F180197	SW8260B	6/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**1.1F**	**0.04**	0.2U	0.09U	**2.2**	**0.072F**	**1.8**	0.03U
	STLD3I260150	SW8260B	9/25/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.68F**	0.04U	**0.32F**	0.09U	**1.1F**	**0.45F**	**0.83F**	0.03U
	STLD3L100321	SW8260B	12/8/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	**0.6F**	0.04U	0.2U	0.09U	**1.1F**	**3.8**	**0.84F**	0.03U
	STLD4C100292	SW8260B	3/9/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.73F**	0.04U	**0.78F**	0.09U	**0.65F**	**8.1**	**0.71F**	0.03U
	STLD4F180203	SW8260B	06/17/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**2.8**	0.04U	0.2U	0.09U	**0.17F**	**1.7**	**0.36F**	0.03U
	STLD4I110116	SW8260B	09/09/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**4.3**	0.04U	**0.6F**	0.09U	**0.12F**	**0.95F**	**0.25F**	0.03U
	STLD4L040205	SW8260B	12/01/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**3.9**	0.16U	0.17U	0.23U	0.17U	**0.29F**	0.16U	0.21U
	STLD5C110416	SW8260B	3/10/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**4.1**	0.16U	0.17U	0.23U	0.17U	**0.25F**	0.16U	0.21U
	STLD5F170398	SW8260B	06/08/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**4.1**	0.16U	0.17U	0.23U	0.17U	**0.26F**	0.16U	0.21U
CS-MW2-CC	STLD3F180197	SW8260B	6/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.26F**	0.03U	0.03U
	STLD3I170358	SW8260B	9/15/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.36F**	0.09U	0.05U	**0.22F**	0.03U	0.03U
	STLD3L100321	SW8260B	12/8/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.35F**	0.03U	0.03U
	STLD4C100292	SW8260B	3/9/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.62F**	0.09U	0.05U	**0.16F**	0.03U	0.03U
Duplicate	STLD4C100292	SW8260B	3/9/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.75F**	0.09U	0.05U	**0.18F**	0.03U	0.03U
	STLD4F180203	SW8260B	06/17/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.11F**	0.03U	0.03U
	STLD4I110116	SW8260B	09/09/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.59F**	0.09U	0.05U	**0.16F**	0.03U	0.03U
	STLD4L040205	SW8260B	12/01/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C110416	SW8260B	3/10/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/08/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	**0.36F**	0.16U	0.21U
CS-MW3-LGR	AP18445	SW8260	6/14/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	0.19U	0.16U	0.07U	0.16U	0.18U
	AP22207	SW8260	9/12/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	AP26643/AP26640	SW8260	12/17/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	**0.48F**	NA	0.11U	NA	0.14U	0.27U
Duplicate	AP26644/AP26641	SW8260	12/17/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	**0.49F**	NA	0.11U	NA	0.14U	0.27U
	STL EWE0J1AL	SW8260B	3/13/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	**0.2F**	NA	0.036U	NA	0.05U	0.036U
	STL	SW8260B	9/11/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STL	SW8260B	12/11/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STLD3C240193	SW8260B	3/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3F210180	SW8260B	6/20/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3I190397	SW8260B	9/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.37F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3L100321	SW8260B	12/9/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4C170386	SW8260B	3/16/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.4F**	0.09U	0.05U	0.06U	0.03U	0.03U
Duplicate	STLD4C170386	SW8260B	3/16/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.34F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4F170404	SW8260B	06/15/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I090263	SW8260B	09/07/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.48F**	0.09U	**0.062F**	0.06U	**0.056F**	0.03U

Appendix C
Groundwater VOC Analytical Results, 1991-2005

Well Number	Laboratory	Analytical Method	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi fluorometh ane (ug/L)	Dichloro-ethene, 1,1 (ug/L)	Dichloro-ethene, *cis* - 1,2 (ug/L)	Dichloro-ethene, *trans* - 1,2 (ug/L)	Dichloro-methane (methylene chloride) (ug/L)	Naphthalene (ug/L)	Tetra-chloroethene (ug/L)	Toluene (ug/L)	Trichloroeth ene (ug/L)	Vinyl chloride (ug/L)
	STLD4L010327	SW8260B	11/29/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	**0.21F**	0.21U
	STLD5C150315	SW8260B	3/14/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/07/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
CS-MW4-LGR	AP18446	SW8260	6/14/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	**0.25F**	0.16U	0.07U	0.16U	0.18U
Duplicate	AP18447	SW8260	6/14/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	0.19U	0.16U	0.07U	0.16U	0.18U
	AP22214	SW8260	9/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	AP26365/AP26371	SW8260	12/12/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	**0.12F**	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	STL EWGMR1AL	SW8260B	3/14/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	0.2U	NA	0.036U	NA	0.05U	0.036U
	STL	SW8260B	6/18/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	**0.11F**	0.04U	0.2U	NA	0.04U	NA	0.05U	0.04U
	D2I120175	SW8260B	9/11/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	**0.14F**	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STL	SW8260B	12/13/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	**0.15F**	0.04U	0.2U	NA	**0.094F**	NA	**0.074F**	0.03U
	STLD3C250212	SW8260B	3/21/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.22F**	0.04U	0.2U	**0.86**	**0.12F**	**2.5J**	**0.098F**	**0.051F**
	STLD3F240154	SW8260B	6/23/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.2F**	0.04U	0.2U	0.09U	**0.061F**	0.06U	**0.044F**	0.03U
	STLD3I190397	SW8260B	9/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.18F**	0.04U	**0.37F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3L120400	SW8260B	12/10/2003	NA	0.1U	0.05U	0.03U	0.06M	0.03M	**0.15F**	0.04U	0.33M	0.09R	0.05U	0.06U	**0.054F**	0.03U
	STLD4C150145	SW8260B	3/12/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.19F**	0.04U	0.35M	0.09U	**0.062F**	0.06U	**0.057F**	0.03U
	STLD4F180203	SW8260B	06/17/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.18F**	0.04U	0.2U	0.09U	**0.074F**	0.06U	**0.069F**	0.03U
	STLD4I110116	SW8260B	09/09/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.19F**	0.04U	**0.57F**	0.09U	**0.084F**	0.06U	**0.062F**	0.03U
	STLD4L040205	SW8260B	12/01/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C110416	SW8260B	3/10/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
Duplicate	STLD5C110416	SW8260B	3/10/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/08/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
CS-MW5-LGR	AP18448	SW8260	6/14/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	**1.9**	0.26U	0.36U	0.19U	**1.1F**	0.07U	**1.7**	0.18U
	AP22208	SW8260	9/12/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	**1.9**	0.14U	0.19U	NA	**1.7**	NA	**2.0**	0.27U
	AP26366/AP26372	SW8260	12/12/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	**2.25**	0.14U	0.19U	NA	**1.02F**	NA	**2.22**	0.27U
	STL EWV3Q1AL	SW8260B	3/21/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	**2.1**	0.038U	**0.22F**	NA	**1.1F**	NA	**1.9**	0.036U
	STL	SW8260B	6/18/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	**1.6**	**0.041F**	0.2U	NA	**1.3F**	NA	**1.5**	0.04U
	STL	SW8260B	9/11/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	**0.46F**	0.04U	0.2U	NA	**0.32F**	NA	**0.4F**	0.03U
	STL	SW8260B	12/13/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	**1.0F**	0.04U	0.2U	NA	**0.63F**	NA	**0.98F**	0.03U
	STLD3C240193	SW8260B	3/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**2.8**	**0.08F**	0.2U	0.09U	**1.7**	**0.077F**	**2.5**	0.03U
	STLD3F240154	SW8260B	6/23/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**2.1**	**0.057F**	0.2U	0.09U	**1.3F**	0.06U	**2.6**	0.03U
	STLD3I190397	SW8260B	9/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**1.7**	**0.049F**	**0.4F**	0.09U	**1.2F**	0.06U	**1.7**	0.03U
Duplicate	STLD3I190397	SW8260B	9/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**1.6**	**0.044F**	**0.39F**	0.09U	**1.1F**	0.06U	**1.5**	0.03U
	STLD3L120400	SW8260B	12/11/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	**2.2**	**0.048F**	0.2U	0.09R	**1.5**	**0.068F**	**2.3**	0.03U
	STLD4C150145	SW8260B	3/12/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**2.6**	**0.052F**	0.35M	0.09U	**1.5**	0.06U	**2.4**	0.03U
	STLD4F170404	SW8260B	06/16/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.84F**	0.04U	0.2U	0.09U	**0.75F**	0.06U	**0.86F**	0.03U
	STLD4I110116	SW8260B	09/09/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.79F**	0.04U	**0.55F**	0.09U	**0.64F**	0.06U	**0.72F**	0.03U
	STLD4L040205	SW8260B	12/03/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**1.8**	0.16U	0.17U	0.23U	**1F**	0.17U	**1.6**	0.21U
	STLD5C170385	SW8260B	3/15/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**1.2**	0.16U	0.17U	0.23U	**0.82F**	0.17U	**1.0**	0.21U
	STLD5F170398	SW8260B	06/08/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**1.2**	0.16U	0.17U	0.23U	**0.77F**	0.17U	**1**	0.21U
Duplicate	STLD5F170398	SW8260B	06/08/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	**1.2**	0.16U	0.17U	0.23U	**0.76F**	0.17U	**0.98F**	0.21U
CS-MW6-LGR	AP18328	SW8260	6/13/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	**0.26F**	0.26U	0.36U	0.19U	**0.5F**	0.07U	**0.42F**	0.18U
	AP22221	SW8260	9/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	AP26445/AP26437	SW8260	12/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	STL EWCKJ1AL	SW8260B	3/12/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	**0.65F**	NA	0.036U	NA	0.05U	0.036U
	STL	SW8260B	6/20/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	0.09U	0.04U	**0.25F**	NA	0.04U	NA	0.05U	0.04U
	STL	SW8260B	9/12/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STL	SW8260B	12/13/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STLD3C240193	SW8260B	3/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	**0.25F**	0.05U	**2.2B**	0.03U	0.03U
	STLD3F190360	SW8260B	6/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3I170358	SW8260B	9/16/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.3F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3L120400	SW8260B	12/11/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09R	0.05U	**0.061F**	0.03U	0.03U
	STLD4C100292	SW8260B	3/8/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.84F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4F220238	SW8260B	06/21/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I110116	SW8260B	09/10/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.56F**	0.09U	0.05U	**0.085F**	0.03U	0.03U
	STLD4L040205	SW8260B	12/01/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C090399	SW8260B	3/8/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/09/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	0.17U	0.17U	0.16U	0.21U

Appendix C
Groundwater VOC Analytical Results, 1991-2005

Well Number	Laboratory	Analytical Method	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi fluorometh ane (ug/L)	Dichloro-ethene, 1,1 (ug/L)	Dichloro-ethene, *cis* - 1,2 (ug/L)	Dichloro-ethene, *trans* - 1,2 (ug/L)	Dichloro-methane (methylene chloride) (ug/L)	Naphthalene (ug/L)	Tetra-chloroethene (ug/L)	Toluene (ug/L)	Trichloroeth ene (ug/L)	Vinyl chloride (ug/L)
CS-MW6-BS	AP18329	SW8260	6/13/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	0.19U	0.16U	**0.34F**	0.16U	0.18U
	AP22222	SW8260	9/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	AP26446/AP26438	SW8260	12/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	STL EWCKK1AL	SW8260B	3/12/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	**0.56F**	NA	0.036U	NA	0.05U	0.036U
	STL	SW8260B	6/20/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	0.09U	0.04U	**0.25F**	NA	0.04U	NA	0.05U	0.04U
	STL	SW8260B	9/12/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
Duplicate	STL	SW8260B	9/12/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STL	SW8260B	12/13/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STLD3C240193	SW8260B	3/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.14F**	0.04U	0.2U	**0.23F**	0.05U	**1.9B**	0.03U	0.03U
	STLD3F190360	SW8260B	6/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.076F**	0.03U	0.03U
	STLD3I170358	SW8260B	9/16/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.32F**	**0.12F**	0.05U	0.06U	0.03U	0.03U
	STLD3L120400	SW8260B	12/11/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09R	0.05U	**0.093F**	0.03U	0.03U
	STLD4C100292	SW8260B	3/8/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.82F**	0.09U	0.05U	**0.13F**	0.03U	0.03U
	STLD4F220238	SW8260B	06/21/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I110116	SW8260B	09/10/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.57F**	0.09U	0.05U	**0.13F**	0.03U	0.03U
	STLD4L040205	SW8260B	12/01/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C090399	SW8260B	3/8/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
Duplicate	STLD5C090399	SW8260B	3/8/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/09/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	0.17U	0.17U	0.16U	0.21U
CS-MW6-CC	AP18330	SW8260	6/13/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	0.19U	0.16U	**0.43F**	0.16U	0.18U
	AP22223	SW8260	9/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	AP26447/AP26439	SW8260	12/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	STL EWCKM1AL	SW8260B	3/12/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	**0.58F**	NA	0.036U	NA	0.05U	0.036U
	STL	SW8260B	6/20/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	0.09U	0.04U	**0.26F**	NA	0.04U	NA	0.05U	0.04U
Duplicate	STL	SW8260B	6/20/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	0.09U	0.04U	**0.28F**	NA	0.04U	NA	0.05U	0.04U
	STL	SW8260B	9/12/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STL	SW8260B	12/13/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STLD3C240193	SW8260B	3/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**2.4B**	**0.09F**	0.03U
Duplicate	STLD3C240193	SW8260B	3/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.23F**	0.04U	0.2U	**0.23F**	0.05U	**2.6B**	0.03U	0.03U
	STLD3F190360	SW8260B	6/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3I170358	SW8260B	9/16/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.29F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3L120400	SW8260B	12/11/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09R	0.05U	0.06U	0.03U	0.03U
	STLD4C100292	SW8260B	3/8/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.85F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4F220238	SW8260B	06/21/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I110116	SW8260B	09/10/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.59F**	0.09U	0.05U	**0.11F**	0.03U	0.03U
	STLD4L040205	SW8260B	12/01/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C090399	SW8260B	3/8/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/09/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	0.17U	0.17U	0.16U	0.21U
Duplicate	STLD5F170398	SW8260B	06/09/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	0.17U	0.17U	0.16U	0.21U
CS-MW7-LGR	AP22218	SW8260	9/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
Duplicate	AP22219	SW8260	9/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	AP26529/AP26525	SW8260	12/14/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	**0.85F**	NA	0.11U	NA	0.14U	0.27U
	STL EWCKH1AL	SW8260B	3/12/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	**0.59F**	NA	0.036U	NA	0.05U	0.036U
	STL	SW8260B	6/24/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	0.09U	0.04U	**0.59F**	NA	0.04U	NA	0.05U	0.04U
	STL	SW8260B	9/13/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	**0.073F**	NA	0.03U	0.03U
	STL	SW8260B	12/12/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STLD3C240193	SW8260B	3/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	**0.32F**	0.05U	**2.5B**	0.03U	0.03U
	STLD3F240154	SW8260B	6/23/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.053F**	0.06U	0.03U	0.03U
	STLD3I200215	SW8260B	9/19/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.55F**	0.09U	**0.08F**	0.06U	0.03U	0.03U
	STLD3L180113	SW8260B	12/15/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.074F**	**0.11F**	**0.038F**	0.03U
	STLD4C120336	SW8260B	3/11/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03M	0.09U	0.04M	0.2M	0.09U	0.05U	0.06U	**0.037F**	0.03U
	STLD4F240332	SW8260B	06/23/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I160216	SW8260B	09/13/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.41F**	0.09U	0.05U	**0.094F**	0.03U	0.03U
	STLD4L080442	SW8260B	12/06/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C110416	SW8260B	3/9/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/13/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U

Appendix C
Groundwater VOC Analytical Results, 1991-2005

Well Number	Laboratory	Analytical Method	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi fluorometh ane (ug/L)	Dichloro-ethene, 1,1 (ug/L)	Dichloro-ethene, *cis* - 1,2 (ug/L)	Dichloro-ethene, *trans* - 1,2 (ug/L)	Dichloro-methane (methylene chloride) (ug/L)	Naphthalene (ug/L)	Tetra-chloroethene (ug/L)	Toluene (ug/L)	Trichloroeth ene (ug/L)	Vinyl chloride (ug/L)
CS-MW7-CC	AP22215	SW8260	9/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
Duplicate	AP22216	SW8260	9/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	AP26530/AP26526	SW8260	12/14/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	**0.21F**	NA	0.11U	NA	0.14U	0.27U
	STL EWCKD1AL	SW8260B	3/12/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	**0.66F**	NA	0.036U	NA	0.05U	0.036U
	STL	SW8260B	6/24/2002	0.03U	NA	0.03U	0.03U	NA	**0.33F**	0.09U	0.04U	**1.8F**	NA	0.04U	NA	0.05U	0.04U
	STL	SW8260B	9/13/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	**0.13F**	NA	0.03U	0.03U
	STL	SW8260B	12/12/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STLD3C240193	SW8260B	3/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**2.8B**	0.03U	0.03U
	STLD3F240154	SW8260B	6/23/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3I200215	SW8260B	9/19/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.67F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3L180113	SW8260B	12/15/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.084F**	0.03U	0.03U
	STLD4C120336	SW8260B	3/11/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03M	0.09U	0.04M	0.3M	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4F240332	SW8260B	06/23/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
Duplicate	STLD4F240332	SW8260B	06/23/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I160216	SW8260B	09/13/04	0.04U	0.1U	0.05U	0.03U	0.06U	**0.034F**	0.09U	0.04U	**0.41F**	0.09U	0.05U	**0.12F**	0.03U	0.03U
	STLD4L080442	SW8260B	12/06/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C110416	SW8260B	3/9/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/13/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
CS-MW8-LGR	AP18435	SW8260	6/12/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	0.19U	**1.1F**	0.07U	**0.18F**	0.18U
	AP22227	SW8260	9/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	**0.6F**	NA	0.14U	0.27U
Duplicate	AP22228	SW8260	9/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	**0.64F**	NA	0.14U	0.27U
	AP26448/AP26440	SW8260	12/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	**0.62F**	NA	0.14U	0.27U
	STL EWCKN1AL	SW8260B	3/12/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	**0.53F**	NA	**0.85F**	NA	**0.057F**	0.036U
	STL	SW8260B	6/19/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	**0.057F**	NA	0.05U	0.04U
	STL	SW8260B	9/10/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	**0.59F**	NA	0.03U	0.03U
Dulpicate	STL	SW8260B	9/10/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	**0.57F**	NA	0.03U	0.03U
	STL	SW8260B	12/12/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	**0.63F**	NA	0.03U	0.03U
	STLD3C240193	SW8260B	3/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	**0.21F**	0.04U	0.2U	0.09U	**0.67F**	**2.9B**	**0.032F**	0.03U
	STLD3F190360	SW8260B	6/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.65F**	0.06U	0.03U	0.03U
	STLD3I190397	SW8260B	9/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.38F**	0.09U	**0.71F**	0.06U	0.03U	0.03U
	STLD3L130180	SW8260B	12/12/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.11F**	0.03U	0.03U
	STLD4C150145	SW8260B	3/12/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.31M	0.09U	**0.59F**	0.06U	0.03U	0.03U
	STLD4F220238	SW8260B	06/21/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.59F**	0.06U	0.03U	0.03U
Duplicate	STLD4F220238	SW8260B	06/21/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.57F**	0.06U	0.03U	0.03U
	STLD4I160216	SW8260B	09/13/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.39F**	0.09U	**0.51F**	**0.1F**	0.03U	0.03U
	STLD4L080442	SW8260B	12/06/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**0.63F**	0.17U	0.16U	0.21U
	STLD5C110416	SW8260B	3/9/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**0.62F**	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/09/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	**0.65F**	0.17U	0.16U	0.21U
CS-MW8-CC	AP18444	SW8260	6/14/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	0.19U	0.16U	0.07U	0.16U	0.18U
	AP22224	SW8260	9/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	AP26449/AP26441	SW8260	12/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	STL EWCKP1AL	SW8260B	3/12/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	**0.52F**	NA	0.036U	NA	0.05U	0.036U
	STL	SW8260B	6/19/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.04U	NA	0.05U	0.04U
	STL	SW8260B	9/12/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STL	SW8260B	12/12/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STLD3C250212	SW8260B	3/19/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**3.5**	0.03U	0.03U
	STLD3F200337	SW8260B	6/19/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3I170358	SW8260B	9/16/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.34F**	**0.34F**	0.05U	**0.25F**	0.03U	0.03U
	STLD4A220211	SW8260B	1/21/2004	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.49F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4C150145	SW8260B	3/12/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.35M	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4F240332	SW8260B	06/23/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I160216	SW8260B	09/13/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.37F**	0.09U	**0.19F**	**0.082F**	0.03U	0.03U
	STLD4L080442	SW8260B	12/06/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**0.36F**	0.17U	0.16U	0.21U
	STLD5C110416	SW8260B	3/9/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**0.43F**	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/09/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	**0.4F**	0.17U	0.16U	0.21U

Appendix C
Groundwater VOC Analytical Results, 1991-2005

Well Number	Laboratory	Analytical Method	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi fluorometh ane (ug/L)	Dichloro-ethene, 1,1 (ug/L)	Dichloro-ethene, *cis* - 1,2 (ug/L)	Dichloro-ethene, *trans* - 1,2 (ug/L)	Dichloro-methane (methylene chloride) (ug/L)	Naphthalene (ug/L)	Tetra-chloroethene (ug/L)	Toluene (ug/L)	Trichloroeth ene (ug/L)	Vinyl chloride (ug/L)
CS-MW9-LGR	AP18439	SW8260	6/14/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	0.19U	0.16U	0.07U	0.16U	0.18U
Duplicate	AP18440	SW8260	6/14/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	0.19U	0.16U	0.07U	0.16U	0.18U
	AP22203	SW8260	9/12/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	AP26535/AP26521	SW8260	12/14/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	STL EWEX91AL	SW8260B	3/13/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	0.2U	NA	**0.041F**	NA	0.05U	0.036U
Duplicate	STL EWE0F1AL	SW8260B	3/13/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	**0.22F**	NA	**0.046F**	NA	0.05U	0.036U
	STL	SW8260B	6/19/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.04U	NA	0.05U	0.04U
	STL	SW8260B	9/11/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STL	SW8260B	12/11/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
Duplicate	STL	SW8260B	12/11/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STLD3C240193	SW8260B	3/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	**0.49**	0.05U	**0.26F**	**0.26F**	0.03U
	STLD3F210180	SW8260B	6/20/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.071F**	0.06U	0.03U	0.03U
	STLD3I190397	SW8260B	9/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.47F**	0.09U	**0.059F**	0.06U	0.03U	0.03U
	STLD3L100321	SW8260B	12/9/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.18F**	0.06U	0.03U	0.03U
	STLD4C170386	SW8260B	3/16/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.36F**	0.09U	**0.15F**	0.06U	0.03U	0.03U
	STLD4F170404	SW8260B	06/15/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I090263	SW8260B	09/07/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.49F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4L010327	SW8260B	11/29/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C150315	SW8260B	3/14/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/10/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	0.17U	0.17U	0.16U	0.21U
CS-MW9-BS	AP18441	SW8260	6/14/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	0.19U	0.16U	0.07U	0.16U	0.18U
	AP22204	SW8260	9/12/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	AP26536/AP26522	SW8260	12/14/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	**0.33F**	NA	0.11U	NA	0.14U	0.27U
	STL EWE0G1AL	SW8260B	3/13/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	**0.23F**	NA	0.036U	NA	0.05U	0.036U
	STL	SW8260B	6/19/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.04U	NA	0.05U	0.04U
	STL	SW8260B	9/11/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STL	SW8260B	12/12/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	**0.055F**
	STLD3C240193	SW8260B	3/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.6F**	0.03U	**0.059F**
	STLD3F210180	SW8260B	6/20/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.072F**	0.03U	0.03U
	STLD3I190397	SW8260B	9/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.34F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3L100321	SW8260B	12/9/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.08F**	0.03U	0.03U
	STLD4C170386	SW8260B	3/16/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.32F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4F170404	SW8260B	06/15/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I090263	SW8260B	09/07/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.52F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4L010327	SW8260B	11/29/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C150315	SW8260B	3/14/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/10/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	0.17U	0.17U	0.16U	0.21U
CS-MW9-CC	AP18442	SW8260	6/14/2001	0.11U	NA	0.15U	0.15U	NA	0.23U	0.25U	0.26U	0.36U	0.19U	0.16U	**0.12F**	0.16U	0.18U
	AP22205	SW8260	9/12/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	NA	0.11U	NA	0.14U	0.27U
	AP26537/AP26523	SW8260	12/14/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	**0.7F**	NA	0.11U	NA	0.14U	0.27U
	STL EWE0H1AL	SW8260B	3/13/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	**0.24F**	NA	0.036U	NA	0.05U	0.036U
	STL	SW8260B	6/19/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.04U	NA	0.05U	0.04U
	STL	SW8260B	9/11/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STL	SW8260B	12/12/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STLD3C240193	SW8260B	3/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.4F	0.04U	0.2U	0.09U	0.05U	**0.2F**	0.03U	0.03U
Duplicate	STLD3C240193	SW8260B	3/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.69F**	0.03U	0.03U
	STLD3F210180	SW8260B	6/20/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
Duplicate	STLD3F210180	SW8260B	6/20/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3I190397	SW8260B	9/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.34F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3L100321	SW8260B	12/9/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4C170386	SW8260B	3/16/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.32F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4F170404	SW8260B	06/15/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I090263	SW8260B	09/07/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.5F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4L010327	SW8260B	11/29/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C150315	SW8260B	3/14/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/10/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	0.17U	0.17U	0.16U	0.21U

Appendix C
Groundwater VOC Analytical Results, 1991-2005

Well Number	Laboratory	Analytical Method	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi fluorometh ane (ug/L)	Dichloro-ethene, 1,1 (ug/L)	Dichloro-ethene, *cis* - 1,2 (ug/L)	Dichloro-ethene, *trans* - 1,2 (ug/L)	Dichloro-methane (methylene chloride) (ug/L)	Naphthalene (ug/L)	Tetra-chloroethene (ug/L)	Toluene (ug/L)	Trichloroeth ene (ug/L)	Vinyl chloride (ug/L)
CS-MW10-LGR	AP26450/AP26442	SW8260	12/13/2001	0.12U	NA	**0.1F**	0.09U	NA	0.16U	0.11U	0.14U	0.19U	0.08U	**2.5**	0.11U	**0.51F**	0.27U
	STL EWCKR1AL	SW8260B	3/12/2002	0.027U	NA	**0.12F**	0.028U	NA	0.026U	0.093U	0.038U	**0.49F**	NA	**2.1**	NA	**0.72F**	0.036U
	STL	SW8260B	6/18/2002	0.03U	NA	**0.12F**	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	**2.5**	NA	**0.6F**	0.04U
	STL	SW8260B	9/13/2002	0.04U	NA	**0.12F**	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	**2.2**	NA	**0.56F**	0.03U
	STL	SW8260B	12/13/2002	0.04U	NA	**0.11F**	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	**2.3**	NA	**0.51F**	0.03U
Duplicate	STL	SW8260B	12/13/2002	0.04U	NA	**0.12F**	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	**2.3**	NA	**0.53F**	0.03U
	STLD3C250212	SW8260B	3/20/2003	0.04U	0.1U	**0.13F**	0.03U	0.06U	**0.052F**	0.09U	0.04R	0.2U	0.09U	**2.1**	**2.6J**	**0.51F**	0.03U
	STLD3F190360	SW8260B	6/18/2003	0.04U	0.1U	**0.13F**	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**2.3**	0.06U	**0.51F**	0.03U
Duplicate	STLD3F190360	SW8260B	6/18/2003	0.04U	0.1U	**0.12F**	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**2.2**	0.06U	**0.49F**	0.03U
	STLD3I200215	SW8260B	9/19/2003	0.04U	0.1U	**0.12F**	0.03U	0.06U	0.03U	0.09U	0.04U	**0.69F**	0.09U	**2.3**	0.06U	**0.37F**	0.03U
	STLD4A220211	SW8260B	1/21/2004	NA	0.1U	**0.1F**	0.03U	0.06U	0.03U	0.09U	0.04U	**0.38F**	0.09U	**2.6**	0.06U	**0.48F**	0.03U
	STLD4C150145	SW8260B	3/12/2004	0.04U	0.1U	**0.11F**	0.03U	0.06U	0.03U	0.09U	0.04U	0.72M	0.09U	**2**	0.06U	**0.42F**	0.03U
	STLD4F240332	SW8260B	06/23/04	0.04U	0.1U	**0.095F**	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**2.2**	0.06U	**0.42F**	0.03U
	STLD4I170212	SW8260B	09/16/04	0.04U	0.1U	**0.11F**	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	**0.09M**	**2.1**	0.06U	**0.37F**	0.03U
Duplicate	STLD4I170212	SW8260B	09/16/04	0.04U	0.1U	**0.12F**	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	**0.09M**	**2.3**	0.06U	**0.4F**	0.03U
	STLD4L080442	SW8260B	12/06/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**2.3**	0.17U	**0.41F**	0.21U
	STLD5C110416	SW8260B	3/9/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**2.3**	0.17U	**0.38F**	0.21U
	STLD5F170398	SW8260B	06/09/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	**2.2**	0.17U	**0.41F**	0.21U
CS-MW10-CC	AP26451/AP26443	SW8260	12/13/2001	0.12U	NA	0.06U	0.09U	NA	0.16U	0.11U	0.14U	0.19U	0.08U	0.11U	0.11U	0.14U	0.27U
	STL EWCK31AL	SW8260B	3/12/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	**0.51F**	NA	0.036U	NA	0.05U	0.036U
	STL	SW8260B	6/18/2002	0.03U	NA	0.03U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.04U	NA	0.05U	0.04U
	STL	SW8260B	9/13/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	**0.058F**	NA	0.03U	0.03U
	STL	SW8260B	12/13/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STLD3C250212	SW8260B	3/20/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04R	0.2U	**0.23F**	0.05U	**2.1J**	0.03U	0.03U
	STLD3F190360	SW8260B	6/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3I260150	SW8260B	9/22/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.35F**	0.09U	0.05U	0.06U	0.03U	0.03U
Duplicate	STLD3I260150	SW8260B	9/22/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.36F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3L130180	SW8260B	12/12/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.2F**	0.03U	0.03U
	STLD4C150145	SW8260B	3/12/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.68M	0.09U	0.05U	0.06U	0.03U	0.03U
Duplicate	STLD4C150145	SW8260B	3/12/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.65M	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4F240332	SW8260B	06/23/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I170212	SW8260B	09/16/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.28F**	**0.09M**	0.05U	**0.062F**	0.03U	0.03U
	STLD4L080442	SW8260B	12/06/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C090399	SW8260B	3/8/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/09/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	0.17U	0.17U	0.16U	0.21U
CS-MW11A-LGR	STLD3F180197	SW8260B	6/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.32F**	**0.16F**	0.03U	0.03U
	STLD3I170358	SW8260B	9/15/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.3F**	0.09U	**0.33F**	**0.1F**	0.03U	0.03U
	STLD3L180113	SW8260B	12/15/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.17F**	**0.96F**	0.03U	0.03U
	STLD4C170386	SW8260B	3/15/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.32F**	0.09U	**0.27F**	0.06U	0.03U	0.03U
	STLD4F240332	SW8260B	06/23/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.19F**	0.06U	0.03U	0.03U
	STLD4I160216	SW8260B	09/13/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.41F**	0.09U	**0.29F**	**0.09F**	0.03U	0.03U
	STLD4L080442	SW8260B	12/06/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**0.32F**	0.17U	0.16U	0.21U
Duplicate	STLD4L080442	SW8260B	12/06/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**0.32F**	0.17U	0.16U	0.21U
	STLD5C110416	SW8260B	3/10/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**0.28F**	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/16/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	**0.26F**	0.17U	0.16U	0.21U
CS-MW11B-LGR	STLD3F180197	SW8260B	6/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**1.2F**	**0.1F**	0.03U	0.03U
	STLD3I170358	SW8260B	9/15/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.35F**	0.09U	**1.1F**	0.06U	0.03U	0.03U
	STLD4I160216	SW8260B	09/13/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.39F**	0.09U	**1.1F**	0.06U	0.03U	0.03U
	STLD4L080442	SW8260B	12/06/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**1.1F**	0.17U	0.16U	0.21U
	STLD5C110416	SW8260B	3/9/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**1.2F**	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/14/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**1.4**	0.17U	0.16U	0.21U

Appendix C
Groundwater VOC Analytical Results, 1991-2005

Well Number	Laboratory	Analytical Method	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi fluorometh ane (ug/L)	Dichloro-ethene, 1,1 (ug/L)	Dichloro-ethene, *cis* - 1,2 (ug/L)	Dichloro-ethene, *trans* - 1,2 (ug/L)	Dichloro-methane (methylene chloride) (ug/L)	Naphthalene (ug/L)	Tetra-chloroethene (ug/L)	Toluene (ug/L)	Trichloroeth ene (ug/L)	Vinyl chloride (ug/L)
CS-MW12-LGR	STL	SW8260B	12/16/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3C250212	SW8260B	3/21/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**1.4J**	0.03U	0.03U
	STLD3F180197	SW8260B	6/16/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3I190397	SW8260B	9/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.36F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD3L100321	SW8260B	12/8/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4C100292	SW8260B	3/9/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.6F**	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4F220238	SW8260B	06/21/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I110116	SW8260B	09/09/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.7F**	0.09U	0.05U	**0.12F**	0.03U	0.03U
	STLD4L080442	SW8260B	12/07/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C090399	SW8260B	3/7/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/14/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
CS-MW12-BS	STL	SW8260B	12/16/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.22F**	0.03U	0.03U
	STLD3C250212	SW8260B	3/21/2003	0.04U	0.1U	0.05U	0.03U	0.06U	**0.032F**	0.09U	0.04U	0.2U	**0.31F**	0.05U	**2.8J**	0.03U	**0.096F**
	STLD3F180197	SW8260B	6/16/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	**0.36F**	0.05U	**0.31F**	0.03U	**0.14F**
	STLD3I190397	SW8260B	9/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.4F**	**0.29F**	0.05U	**0.32F**	0.03U	**0.2F**
	STLD3L100321	SW8260B	12/8/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	**0.29F**	0.05U	**0.27F**	0.03U	0.03U
	STLD4C100292	SW8260B	3/9/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.55F**	**0.23F**	0.05U	**0.18F**	0.03U	**0.099F**
	STLD4F220238	SW8260B	06/21/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.23F**	0.09U	0.05U	**0.16F**	0.03U	**0.19F**
	STLD4I110116	SW8260B	09/09/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.68F**	**0.33F**	0.05U	**0.26F**	0.03U	**0.21F**
	STLD4L080442	SW8260B	12/07/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	**0.34F**	0.17U	0.17U	0.16U	**0.32F**
	STLD5C090399	SW8260B	3/7/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	**0.35F**	0.17U	0.17U	0.16U	**0.3F**
	STLD5F170398	SW8260B	06/14/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	**0.25F**
CS-MW12-CC	STL	SW8260B	12/16/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.28F**	0.03U	0.03U
Duplicate	STL	SW8260B	12/16/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.24F**	0.03U	0.03U
	STLD3C250212	SW8260B	3/21/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**3.3J**	0.03U	0.03U
	STLD3F180197	SW8260B	6/16/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.82F**	0.03U	0.03U
	STLD3I190397	SW8260B	9/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.42F**	0.09U	0.05U	**0.43F**	0.03U	0.03U
	STLD3L100321	SW8260B	12/8/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**6.6**	0.03U	**0.14F**
	STLD4C100292	SW8260B	3/9/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.61F**	0.09U	0.05U	**3.3**	0.03U	0.03U
	STLD4F220238	SW8260B	06/21/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.39F**	0.03U	0.03U
	STLD4I110116	SW8260B	09/09/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.66F**	0.09U	0.05U	**0.28F**	0.03U	0.03U
	STLD4L080442	SW8260B	12/07/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	**0.35F**	0.16U	0.21U
	STLD5C090399	SW8260B	3/7/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	**0.34F**	0.16U	0.21U
	STLD5F170398	SW8260B	06/16/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	0.17U	**0.2F**	0.16U	0.21U
CS-MW17-LGR	STL	SW8260B	9/12/2002	0.04U	NA	0.05U	0.03U	NA	**0.055F**	0.09U	0.04U	0.2U	0.09U	**0.083F**	**0.14F**	0.03U	0.03U
	STL	SW8260B	12/11/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	**0.57F**	NA	**0.19F**	NA	0.03U	0.03U
	STLD3C250212	SW8260B	3/21/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.25F**	0.09U	**0.23F**	**3.6J**	0.03U	0.03U
	STLD3F240154	SW8260B	6/23/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.19F**	0.06U	0.03U	0.03U
Duplicate	STLD3F240154	SW8260B	6/23/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.18F**	0.06U	0.03U	0.03U
	STLD3I200215	SW8260B	9/19/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.82F**	0.09U	**0.17F**	**0.071F**	0.03U	0.03U
	STLD3L180113	SW8260B	12/15/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.17F**	**0.13F**	0.03U	0.03U
Duplicate	STLD3L180113	SW8260B	12/15/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.2F**	**0.12F**	0.03U	0.03U
	STLD4C170386	SW8260B	3/15/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.36F**	0.09U	**0.18F**	0.06U	0.03U	0.03U
	STLD4F170404	SW8260B	06/15/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.24F**	0.06U	0.03U	0.03U
	STLD4I090263	SW8260B	09/07/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.54F**	0.09U	**0.34F**	0.06U	**0.067F**	0.03U
	STLD4L010327	SW8260B	11/29/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**0.32F**	0.17U	0.16U	0.21U
	STLD5C170385	SW8260B	3/16/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**0.27F**	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/07/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**0.24F**	0.17U	0.16U	0.21U
CS-MW18-LGR	STL	SW8260B	9/12/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.75F**	0.03U	0.03U
	STL	SW8260B	12/11/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	STLD3C240193	SW8260B	3/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**3.6B**	**0.097F**	0.03U
	STLD3F240154	SW8260B	6/23/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**1.7F**	0.09U	0.05U	**1.4**	0.03U	0.03U
	STLD3I260150	SW8260B	9/24/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.37F**	0.09U	0.05U	**0.1F**	0.03U	0.03U
	STLD3L180113	SW8260B	12/15/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	**0.69F**	0.03U	0.03U
	STLD4C100292	SW8260B	3/9/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.62F**	0.09U	0.05U	**0.37F**	0.03U	0.03U
	STLD4F180203	SW8260B	06/17/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.05U	0.06U	0.03U	0.03U
	STLD4I110116	SW8260B	09/10/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.69F**	0.09U	**0.051F**	**0.09F**	0.03U	0.03U
Duplicate	STLD4I110116	SW8260B	09/10/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.68F**	0.09U	**0.052F**	**0.065F**	0.03U	0.03U
	STLD4L080442	SW8260B	12/07/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U

Appendix C
Groundwater VOC Analytical Results, 1991-2005

Well Number	Laboratory	Analytical Method	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi fluorometh ane (ug/L)	Dichloro-ethene, 1,1 (ug/L)	Dichloro-ethene, *cis* - 1,2 (ug/L)	Dichloro-ethene, *trans* - 1,2 (ug/L)	Dichloro-methane (methylene chloride) (ug/L)	Naphthalene (ug/L)	Tetra-chloroethene (ug/L)	Toluene (ug/L)	Trichloroeth ene (ug/L)	Vinyl chloride (ug/L)
Duplicate	STLD4L080442	SW8260B	12/07/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C090399	SW8260B	3/8/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/14/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
CS-MW19-LGR	STL	SW8260B	9/12/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	**0.61F**	0.09U	**0.28F**	**0.22F**	0.03U	0.03U
	STL	SW8260B	12/16/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	**3.3**	NA	**0.14F**	NA	0.03U	0.03U
	STLD3C250212	SW8260B	3/20/2003	0.04U	0.1U	0.05U	0.03U	0.06U	**0.032F**	0.09U	**0.04J**	**2.6**	0.09U	**0.21F**	**4.4J**	0.03U	**0.053F**
	STLD3F240154	SW8260B	6/23/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.3F**	0.06U	0.03U	0.03U
	STLD3I190397	SW8260B	9/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.37F**	0.09U	**0.34F**	0.06U	0.03U	0.03U
	STLD3L120400	SW8260B	12/10/2003	NA	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.3F**	0.09R	**0.36F**	0.06U	0.03U	0.03U
	STLD4C170386	SW8260B	3/15/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	**0.35F**	0.09U	**0.27F**	0.06U	0.03U	0.03U
	STLD4F170404	SW8260B	06/16/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	**0.28F**	0.06U	0.03U	0.03U
	STLD4I170212	SW8260B	09/16/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	**0.09M**	**0.28F**	**0.066F**	0.03U	0.03U
	STLD4L080442	SW8260B	12/07/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**0.24F**	0.17U	0.16U	0.21U
	STLD5C170385	SW8260B	3/15/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	**0.23F**	0.17U	0.16U	0.21U
	STLD5F170398	SW8260B	06/16/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	**0.45F**	0.17U	0.16U	0.21U
Duplicate	STLD5F170398	SW8260B	06/16/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	**0.44F**	0.17U	0.16U	0.21U
Comparison			MCL	80***	80***	80***	80***		7	70	100	5		5	1000	5	2
Criteria			GW-INA	100		100	100		7	70	100	5		5	1000	5	2
	Chemron[2]	SW8260	PQL	3		3	3		5	4	4	4		5		2	
	Chemron	SW8260	MDL	MDLs not provided by laboratory													
	ITS	SW8260A	PQL	0.8		0.30	0.50		0.40	1.20	0.60	0.30		1.40	--	1.00	--
	ITS	SW8260A	MDL	0.130		0.110	0.100		0.230	0.200	0.330	0.230		0.470	--	0.340	--
	DHL	SW8260B	PQL	NA		1.0	NA		NA	1.0	1.0	NA		1.0	--	1.0	--
	DHL	SW8260B	MDL	NA		0.4	NA		NA	0.3	0.2	NA		0.4	--	0.2	--
	O'B&G	SW8260B	RL	0.8		0.3	0.5		1.2	1.2	0.6	1.0		1.4	1.1	1.0	1.1
	O'B&G	SW8260B	MDL	0.011		0.011	0.012		0.025	0.062	0.077	0.03		0.008	0.017	0.01	0.013
	APPL	SW8260B	RL	0.8		0.3	0.5		1.2	1.2	0.6	1.0		1.4	1.1	1.0	1.1
	APPL	SW8260B	MDL	0.011		0.15	0.15		0.23	0.25	0.26	0.36		0.16	0.07	0.16	0.18
	APPL	SW8260	RL	0.8		0.3	0.5		1.2	1.2	0.6	1.0	0.8	1.4	1.1	1.0	1.1
	APPL	SW8260	MDL	0.12		0.06	0.09		0.16	0.11	0.14	0.19	0.08	0.11	0.11	0.14	0.27
	STL	SW8260B	RL	0.8	1.2	0.3	0.5	1.0	1.2	1.2	0.6	2.0	1.0	1.4	1.1	1.0	1.1
	STL	SW8260B	MDL	0.04	0.1	0.05	0.03	0.06	0.03	0.09	0.04	0.2	0.09	0.05	0.06	0.03	0.03

Shaded areas iNAicate analytical data analyzed by ITS Laboratories.

Bold	Value > or = MCL
Bold	MCL > Value > or = RL
Bold	RL > Value > MDL

1 = INAicates data is screening analytical data only

[2] = Chemron quantitation limits varied over the years that samples were analyzed by the lab. Values listed are for June 1995 through February 1996.

Notes:

- *Due to potential improper practices, the ITS data cannot be used to draw any conclusions about groundwater quality at CSSA.*
- ug/L = micrograms per liter
- * Chlorination byproducts in water supply well (referenced in SWDA drinking water regulations as THMs, or trihalomethanes). MCL for total concentration of THMs is 100 ug/L.
- F = The analyte was positively identified but the associated numerical value is below the RL.
- J = The analyte was positively identified below quantitation limits; the quantitation is an estimate.
- R = The data are unusable with deficiencies in the ability to analyze the sample and meet QC criteria.
- U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection.
- NA = Not sampled for this parameter.

* Values represent MDLs for the analytical procedure used.

** Analysis included bromodichloromethane, chloroform, dibromochloromethane, 1,1-dichloroethene, cis-1,2-dichloroethene, dichloromethane, tetrachloroethene, trichloroethene, and vinyl chloride ONLY, as agreed by the EPA and TNRCC.

Appendix C
Groundwater Metals Analytical Results

Well ID	Laboratory	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Zinc (mg/L)
CS-1	Chemron	12/11/1995	0.005U	0.05U	0.005U	0.01U	**0.06**	**0.023**	0.0004U	**0.02**	**4**
	Chemron	1/19/1996	0.01U	**0.03**	0.005U	0.01U	**0.02**	**0.015**	0.0004U	0.02U	**0.39**
	Chemron	3/1/1996	0.005U	**0.03**	0.001U	0.01U	**0.07**	**0.015**	0.0004U	0.02U	**0.48**
	ITS	01/07/97[1]	0.001U	0.04	0.00028F	0.00227F	0.01867F	0.030	0.0001U	0.00307F	0.69
	ITS	10/23/97[1]	0.0009U	0.034	0.0002U	0.002U	0.0072F	0.007	0.0001U	0.003U	0.85
	O'B&G	9/9/1999	0.00044U	**0.0300**	0.00019U	**0.002F**	**0.008F**	**0.0017F**	0.00016U	0.0014U	**0.293**
	O'B&G	12/14/1999	0.00045U	**0.0293**	0.00019U	**0.003F**	**0.002F**	**0.0026F**	0.00016U	0.0014U	**0.472**
	O'B&G	3/20/2000	**0.0006F**	**0.0278**	0.00019U	**0.003F**	**0.003F**	**0.0172**	0.00016U	0.0014U	**0.387**
	O'B&G	6/14/2000	**0.00045J**	**0.032**	0.00019U	**0.004F**	**0.002F**	**0.0043F**	0.00008U	0.0014U	**0.3**
Duplicate	O'B&G	6/14/2000	**0.00045J**	**0.0323**	0.00019U	**0.004F**	**0.003F**	**0.0041F**	0.00008U	0.0014U	**0.303**
	O'B&G	9/13/2000	**0.002F**	**0.0347**	0.00019U	**0.006F**	**0.016**	**0.0851J**	0.00012U	**0.002F**	**0.959**
	O'B&G	12/12/2000	**0.0005F**	**0.0302**	**0.0114R**	**0.003F**	**0.004F**	**0.0314J**	0.00012U	0.00107U	**1.7813**
	O'B&G	3/19/2001	**0.0013F**	**0.0372**	0.0002U	**0.004F**	**0.003F**	**0.0131**	0.0001U	0.0014U	**0.290**
	AP18430	6/12/2001	0.0008U	**0.0377**	0.0001U	0.001U	**0.009F**	**0.0063**	0.0001U	0.001U	**0.265**
	AP22229	9/17/2001	**0.0009F**	**0.0352J**	0.0001U	0.001U	**0.006F**	**0.0082**	**0.0002F**	**0.002F**	**0.521**
	AP26254/AP26259	12/11/2001	0.0008U	**0.0356**	0.0001U	0.001U	0.003U	**0.0037F**	0.0001U	**0.003F**	**0.327**
	AP30837	3/19/2002	0.0008U	**0.0343**	0.0001U	0.001U	**0.009F**	**0.005**	0.0001U	0.001U	**0.431J**
	STL	6/17/2002	**0.0006F**	**0.0308**	**0.000027F**	0.0026U	**0.012**	**0.0028**	0.000028U	0.0041U	**.381J**
	STL	9/10/2002	**0.00059F**	**0.036**	0.000022U	0.00074U	**0.0042F**	**0.0031**	0.000028U	**0.002F**	**0.270**
	STL	12/10/2002	**0.00059F**	**0.037**	**0.000036F**	0.00074U	**0.022**	**0.0053**	0.000015U	**0.0022F**	**.290J**
	STLD3C250256	3/19/2003	**0.00043F**	**0.035**	0.000022U	0.00074U	**0.0022F**	**0.003**	0.000015U	0.0017U	**0.3**
	STLD3F200339	6/19/2003	**0.00057F**	**0.034**	0.000051U	0.0021U	**0.0033F**	**0.0021**	0.000015U	0.0042U	**0.3**
	STLD3I170355	9/16/2003	**0.57F**	**0.037**	0.000051U	0.0021U	**0.0052F**	**0.004**	0.000054U	0.0042U	**0.63**
	STLD3L180116	12/16/2003	**0.00066F**	**0.035**	0.000051U	0.0021U	**0.0062F**	**0.0066**	0.000054U	0.0042U	**0.36**
Duplicate	STLD3L180116	12/16/2003	**0.00066F**	**0.036**	0.000051U	0.0021U	**0.002F**	**0.0062**	0.000054U	0.0042U	**0.34**
	STLD4C120341	3/11/2004	**0.00045F**	**0.039**	0.000051R	0.0021U	**0.011J**	**0.0032J**	0.000054U	0.0042U	**0.25**
Duplicate	STLD4C120341	3/11/2004	**0.00051F**	**0.039**	0.000051R	0.0021U	**0.042J**	**0.0051J**	0.000054U	0.0042U	**0.26**
	STLD4F240326	06/22/04	**0.00045F**	**0.036**	0.000028U	0.0021U	**0.024**	**0.0029**	0.000025U	0.0042U	**0.25**
	STLD4I160208	09/15/04	**0.00051F**	**0.036**	0.000028U	0.0012U	0.0016U	**0.0021**	**0.000047F**	0.002U	**0.23**
	STLD4L040200	12/02/04	**0.00059F**	**0.036**	0.000028U	0.0012U	**0.0024F**	**0.0011F**	**0.000039F**	0.002U	**0.17**
	STLD5C170383	3/16/2005	**0.0007F**	**0.035**	0.000028U	0.0012U	**0.041**	**0.0015F**	**0.000049F**	0.002U	**0.22**
	STLD5F170398	06/15/05	**0.00067F**	**0.036**	0.00004U	0.00082U	0.0045U	**0.0052**	0.000044U	**0.0017F**	**0.3**
CS-2	Chemron	12/12/1995	**0.013**	**0.3**	**0.008**	**0.01**	**0.05**	**0.25**	0.0004U	**0.04**	**0.33**
Duplicate	Chemron	12/12/1995	0.005U	0.05U	0.005U	0.01U	0.02U	0.015U	0.0004U	0.02U	**0.04**
	Chemron	1/19/1996	**0.01**	**0.03**	0.005U	0.01U	**0.02**	**0.01**	0.0004U	**0.02**	**0.03**
Duplicate	Chemron	1/19/1996	0.015U	**0.04**	0.005U	0.01U	0.03U	**0.011**	0.0004U	0.02U	**0.04**
	Chemron	2/29/1996	**0.006**	**0.04**	0.001U	0.01U	**0.02**	**0.005**	0.0004U	0.02U	0.02U
	ITS	01/15/97[1]	0.001U	0.04	0.0002U	0.002U	**0.00889F**	**0.00205F**	0.0001U	0.002U	0.016U
	ITS	10/23/97[1]	0.0009U	0.03	0.0002U	0.002U	0.004U	0.0015U	0.0001U	0.003U	0.016U
	O'B&G	9/7/1999	0.00044U	**0.04**	0.00019U	**0.005F**	**0.002F**	0.00142U	0.00016U	**0.012**	**0.005F**
Duplicate	O'B&G	9/7/1999	0.00044U	**0.0386**	0.00019U	**0.003F**	**0.003F**	0.00142U	0.00016U	**0.013**	**0.006F**
	O'B&G	12/14/1999	0.00045U	**0.0327**	0.00019U	**0.004F**	0.0009U	0.00142U	0.00016U	**0.002F**	0.0021U
Duplicate	O'B&G	12/14/1999	0.00045U	**0.0332**	0.00019U	**0.004F**	0.0009U	0.00142U	0.00016U	**0.002F**	**0.004F**
	O'B&G	3/20/2000	0.00045U	**0.0340**	0.00019U	**0.003F**	0.0009U	0.00053U	0.00016U	**0.002F**	**0.007F**
Duplicate	O'B&G	3/20/2000	**0.0007F**	**0.0342**	0.00019U	**0.003F**	0.0009U	0.00053U	0.00016U	**0.002F**	**0.004F**
	O'B&G	6/12/2000	**0.00045J**	**0.0338**	0.00019U	**0.004F**	0.0009U	0.00053U	0.00008U	0.0014U	**0.005F**
	O'B&G	9/12/2000	**0.00045M**	**0.0364**	0.00019U	**0.006F**	**0.001F**	**0.00053J**	**0.00012M**	**0.002F**	**0.006F**
Duplicate	O'B&G	9/12/2000	**0.00045M**	**0.0370**	0.00019U	**0.004F**	**0.001F**	**0.00053J**	**0.00012M**	**0.002F**	**0.006F**
	O'B&G	12/13/2000	0.00045U	**0.0359**	**0.00019J**	**0.004F**	0.0005U	**0.00053J**	0.00012U	**0.0137J**	**0.0029F**
Duplicate	O'B&G	12/13/2000	0.00045U	**0.0373**	**0.00019J**	**0.006F**	0.0005U	**0.00053J**	0.00012U	**0.0234J**	**0.0036F**
	O'B&G	3/20/2001	0.00028U	**0.0338**	**0.00021M**	**0.003F**	**0.001F**	0.00026U	0.00012U	**0.0033F**	**0.0034F**
Duplicate	O'B&G	3/20/2001	0.00028U	**0.0332**	**0.00021M**	**0.002F**	**0.001F**	0.00026U	0.00012U	**0.0037F**	**0.0037F**
	AP18323	6/13/2001	0.0008U	**0.0349**	0.0001U	**0.002F**	**0.004F**	0.0008U	0.0001U	**0.004F**	**0.018F**
	AP22213	9/13/2001	0.0008U	**0.0352J**	0.0001U	**0.004F**	0.003U	**0.0012F**	0.0001U	**0.006F**	**0.013F**
	AP26534/AP26520	12/14/2001	0.0008U	**0.0318**	**0.0001**	0.001U	0.003U	**0.0014F**	0.0001U	0.001U	0.008U
	STL D2C150260009	3/14/2002	**0.00059F**	**0.035**	0.000022U	**.0058F**	.0042U	**0.00073F**	0.000028U	**0.0103**	**.006F**
	STL	6/18/2002	**0.00097F**	**0.0358**	**0.000029F**	**.039J**	.0042U	**.0014F**	0.000028U	**.0187J**	**.0077F**
Duplicate	STL	6/18/2002	**0.00086F**	**0.0346**	**0.000032F**	**.0173J**	.0042U	**.0013F**	0.000028U	**.0136J**	**.009F**
	STLD3F200337	6/19/2003	**0.00056F**	**0.034**	**0.00011F**	.0021U	**.0016F**	**0.00021F**	0.000015U	.0042U	**.0053F**
	STLD4F170404	06/16/04	**0.00054F**	**0.036**	0.000028U	0.0021U	0.00097U	**0.00031F**	0.000025U	0.0042U	0.0036U
	STLD5F170398	06/14/05	**0.00069F**	**0.032**	0.00004U	**0.0019F**	0.0045U	**0.00041F**	**0.000055F**	0.0012U	**0.0052F**
Duplicate	STLD5F170398	06/14/05	**0.00075F**	**0.032**	0.00004U	0.00082U	0.0045U	**0.00042F**	0.000044U	0.0012	**0.0097F**
CS-3	Chemron	12/12/1995	0.005U	0.05U	0.005U	0.01U	0.02U	**0.029**	0.0004U	0.02U	**0.04**
	Chemron	1/19/1996	0.01U	**0.03**	0.005U	0.01U	**0.05**	**0.002**	0.0004U	0.02U	**0.05**
	Chemron	2/27/1996	0.005U	**0.04**	0.001U	0.01U	**0.03**	**0.028**	0.0004U	0.02U	**0.04**
	ITS	01/10/97[1]	0.001U	0.03	0.0002U	0.002U	**0.01048F**	0.0015U	0.0001U	0.002U	0.01935F
	O'B&G	12/16/1999	0.00045U	**0.0265**	0.00019U	**0.005F**	**0.004F**	0.00142U	0.00016U	**0.002F**	**0.013**
CS-4	Chemron	12/13/1995	0.005U	0.05U	0.005U	0.01U	0.02U	0.015U	0.0004U	0.02U	**0.04**
	STLD3F240154	6/23/2003	**0.00057F**	**0.031**	**0.00037F**	.0021U	**.002F**	**0.00019**	0.000015U	.0042U	**0.072**
	STLD4F170404	06/16/04	**0.00042F**	**0.029**	**0.000034F**	0.0021U	0.00097U	**0.00033F**	0.000025U	0.0042U	**0.0093F**
	STLD5F170398	06/14/05	**0.00051F**	**0.029**	**0.000059F**	0.00082U	0.0045U	**0.00034F**	**0.000056F**	0.0012U	**0.011F**
CS-9	Chemron	12/12/1995	0.005U	0.05U	0.005U	0.01U	**0.02**	0.015U	0.0004U	0.02U	**0.84**
	Chemron	2/28/1996	**0.02**	**0.03**	0.001U	0.01U	**0.02**	**0.005**	0.0004U	0.02U	**0.2**
	ITS	01/06/97[1]	0.001U	0.03	0.00026F	0.002U	0.05578F	0.013	0.00038F	0.002U	0.45
	ITS	10/23/97[1]	0.0018F	0.04	0.00045F	0.0023F	0.0103F	0.013	0.000247F	0.0051F	0.56
	O'B&G	9/8/1999	0.00044U	**0.0331**	0.00019U	**0.004F**	**0.007F**	**0.0034F**	0.00016U	**0.001F**	**0.624**
	O'B&G	12/13/1999	0.00045U	**0.0331**	0.00019U	**0.006F**	**0.004F**	**0.0018F**	0.00016U	**0.002F**	**0.421**
	O'B&G	3/20/2000	0.00045U	**0.0347**	0.00019U	**0.005F**	**0.003F**	**0.0025F**	0.00016U	0.0014U	**0.717**
	O'B&G	6/13/2000	**0.00045M**	**0.0356**	0.00019U	**0.004F**	**0.004F**	**0.0046F**	0.00008U	0.0014U	**0.590**
	O'B&G	9/13/2000	**0.00045J**	**0.0364**	0.00019U	**0.005F**	**0.003F**	**0.0142J**	0.00012U	0.0014U	**1.319**
	O'B&G	12/12/2000	0.00045U	**0.0363**	**0.00019J**	**0.003F**	**0.006F**	**0.0019F**	0.00012U	0.00107U	**0.4585**
	O'B&G	3/19/2001	0.00028U	**0.0339**	0.00021U	**0.003F**	**0.005F**	**0.0018F**	0.00012U	0.0011U	**0.3331**
	AP18428	6/12/2001	0.0008U	**0.0383**	0.0001U	0.001U	**0.007F**	**0.002F**	0.0001U	0.001U	**0.28**
	AP22230	9/17/2001	0.0008U	**0.0356J**	**0.0003F**	0.001U	**0.009F**	**0.005**	**0.0002F**	**0.003F**	**0.138**
	AP26251/AP26256	12/11/2001	0.0008U	**0.0349**	0.0001U	0.001U	**0.008F**	**0.0028F**	0.0001U	0.001U	**0.256**
	AP30835	3/19/2002	0.0008U	**0.0348**	0.0001U	0.001U	**0.007F**	**0.0025F**	0.0001U	**0.003F**	**0.087J**
	STL	6/17/2002	**.0011F**	**0.0381**	**0.00011F**	.0026U	**0.0138**	**0.0109**	**0.0013**	.0041U	**0.693J**

Appendix C
Groundwater Metals Analytical Results

Well ID	Laboratory	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Zinc (mg/L)
	STL	9/10/2002	**0.00044F**	**0.035**	**0.000032F**	0.00074U	**.0026F**	**0.00065F**	0.000028U	.0017U	**.160J**
	STL	12/10/2002	**0.00034F**	**0.039**	0.000022U	0.00074U	0.00076U	**.0013F**	0.000015U	**.0029F**	**.170J**
	STLD3C250256	3/19/2003	**0.00039F**	**0.035**	**0.00004F**	0.00074U	**.0046F**	**.0014F**	0.000015U	.0017U	**0.1**
	STLD3F180197	6/17/2003	**0.0004F**	**0.036**	0.000051U	.0021U	**.008F**	**0.00078F**	**0.000037F**	.0042U	**0.17**
Duplicate	STLD3F180197	6/17/2003	**0.00042F**	**0.036**	0.000051U	.0021U	**.0084F**	**0.00086F**	**0.000039F**	.0042U	**0.16**
	STLD3I170355	9/16/2003	**0.00035F**	**0.036**	0.000051U	.0021U	**.007F**	**.0015F**	0.000054U	.0042U	**0.17**
	STLD3L180116	12/15/2003	**0.00049F**	**0.039**	0.000051U	.0021U	**.0023F**	**0.00091F**	**0.00091F**	.0042U	**0.13**
	STLD4F240326	06/22/04	**0.00042F**	**0.037**	0.000028U	0.0021U	**0.0056F**	**0.00091F**	0.000025U	0.0042U	**0.049F**
	STLD4I160208	09/15/04	**0.00056F**	**0.035**	0.000028U	0.0012U	**0.003F**	**0.00062F**	**0.000042F**	0.002U	**0.068**
	STLD4L040200	12/03/04	**0.00037F**	**0.029**	0.000028U	0.0012U	**0.013**	**0.005**	0.000025U	0.002U	**0.18**
Duplicate	STLD4L040200	12/03/04	**0.00037F**	**0.03**	0.000028U	0.0012U	**0.0019F**	**0.00094F**	**0.000031F**	0.002U	**0.18**
	STLD5C170383	3/15/2005	**0.00058F**	**0.032**	**0.000047F**	0.0012U	**0.0052F**	**0.0038**	**0.00015F**	0.002U	**0.64**
	STLD5F170398	06/15/05	**0.00041F**	**0.036**	0.00004U	0.00082U	0.0045U	**0.00056F**	0.000044U	0.0012U	**0.099**
CS-10	Chemron	12/12/1995	0.005U	0.05U	0.005U	0.01U	**0.1**	**0.06**	0.0004U	0.02U	**0.180**
	Chemron	1/19/1996	0.01U	**0.03**	0.005U	0.01U	0.02U	**0.004**	0.0004U	0.02U	**0.080**
	Chemron	2/28/1996	**0.006**	**0.04**	0.001U	0.01U	**0.02**	0.002U	0.0004U	0.02U	**0.040**
	ITS	01/07/97[1]	0.001U	0.04	0.0002U	0.002U	**0.015F**	0.0015U	0.0001U	0.002U	0.041
	ITS	10/23/97[1]	0.0009U	0.04	0.0002U	0.002U	0.004U	0.0015U	0.0001U	0.003U	0.022
	O'B&G	9/10/1999	0.00444U	**0.0354**	0.00019U	**0.004F**	**0.006F**	0.00142U	0.00016U	**0.002F**	**0.079**
	O'B&G	12/13/1999	0.00045U	**0.0355**	0.00019U	**0.005F**	**0.002F**	0.00142U	0.00016U	**0.002F**	**0.015**
	O'B&G	3/20/2000	**0.0019F**	**0.0375**	0.00019U	**0.005F**	**0.004F**	**0.0031F**	0.00016U	**0.003F**	**0.057**
	O'B&G	6/13/2000	**0.00045J**	**0.0357**	0.00019U	**0.005F**	**0.002F**	0.00053U	0.00008U	0.0014U	**0.014**
	O'B&G	9/13/2000	**0.00045J**	**0.0378**	0.00019U	**0.006F**	**0.005F**	**0.00053J**	0.00012U	0.0014U	**0.016**
	O'B&G	12/12/2000	0.00045U	**0.0372**	**0.00019J**	**0.004F**	**0.002F**	**0.00053J**	0.00012U	0.00107U	**0.022**
	O'B&G	3/19/2001	0.0003U	**0.0375**	0.00021U	**0.005F**	**0.004F**	0.0003U	0.00012U	**0.0013F**	**0.032**
	AP18429	6/12/2001	0.0008U	**0.0406**	**0.0002F**	**0.002F**	**0.009F**	**0.0026F**	0.0001U	**0.003F**	**0.042F**
	AP22231	9/17/2001	0.0008U	**0.0373J**	**0.0002F**	0.001U	**0.006F**	**0.0032F**	**0.0002F**	**0.009F**	**0.048F**
	AP26252/AP26257	12/11/2001	0.0008U	**0.0405**	0.0001U	0.001U	**0.006F**	**0.0014F**	0.0001U	**0.003F**	**0.069**
	AP30836	3/19/2002	0.0008U	**0.0372**	0.0001U	0.001U	**0.006F**	**0.0026F**	0.0001U	**0.008F**	**0.037F**
	STL	6/17/2002	**0.00095F**	**0.0349**	**0.000061F**	.0026U	.0042U	**0.0023**	0.000028U	**0.0054F**	**.125J**
	STL	9/10/2002	**0.00061F**	**0.0390**	0.000022U	0.00074U	**.0014F**	**0.00048F**	0.000028U	0.0017U	**0.016**
	STL	12/10/2002	**0.00053F**	**0.039**	**0.000026F**	0.00074U	0.00076U	**0.00064F**	0.000015U	**0.0026F**	**.026J**
	STLD3C250256	3/19/2003	**0.00059F**	**0.04**	**0.000035F**	**0.00074**	**0.0065F**	**.0013F**	0.000015U	0.0017U	**0.049**
	STLD3F180197	6/17/2003	**0.00054F**	**0.039**	0.000051U	.0021U	**0.0058F**	**0.00085F**	**0.000039F**	0.0042U	**0.063**
	STLD3I170355	9/16/2003	**0.00058F**	**0.039**	0.000051U	.0021U	**0.0058F**	**0.0011F**	0.000054U	0.0042U	**0.031F**
Du;licate	STLD3I170355	9/16/2003	**0.00053F**	**0.038**	0.000051U	.0021U	**0.0043F**	**0.0008F**	0.000054U	0.0042U	**0.024F**
	STLD3L180116	12/16/2003	**0.00066F**	**0.039**	0.000051U	.0021U	**.0017F**	**0.00059F**	0.000054U	.0042U	**0.024F**
	STLD4C120341	3/11/2004	**0.00068F**	**0.04**	0.000051R	.0021U	**.013J**	**0.00066F**	0.000054U	.0042U	**.021F**
	STLD4F240326	06/22/04	**0.00054F**	**0.041**	0.000028U	0.0021U	**0.006F**	**0.00048F**	0.000025U	0.0042U	**0.017F**
	STLD4I160208	09/15/04	**0.00058F**	**0.037**	0.000028U	0.0012U	0.0016U	**0.00053F**	**0.000029F**	0.002U	**0.013F**
	STLD4L040200	12/03/04	**0.00066F**	**0.039**	0.000028U	0.0012U	**0.0027F**	**0.0012F**	**0.000071F**	0.002U	**0.028F**
	STLD5C170383	3/15/2005	**0.00074F**	**0.038**	0.000028U	0.0012U	**0.007F**	**0.00078F**	**0.000051F**	0.002U	**0.027F**
	STLD5F170398	06/15/05	**0.00068F**	**0.037**	0.00004U	0.00082U	**0.0083F**	**0.0015F**	0.000044U	**0.0022F**	**0.023F**
CS-11	Chemron	12/15/1995	**0.01**	0.05U	0.005U	0.01U	0.02U	0.015U	0.0004U	0.02U	**0.04**
	Chemron	2/29/1996	0.005U	**0.03**	0.001U	0.01U	0.02U	0.002U	0.0004U	0.02U	**0.09**
	ITS	01/20/97[1]	0.001U	0.04	0.0002U	0.002U	0.00797F	0.00177F	0.0001U	0.002U	0.13
	ITS	10/23/97[1]	0.0009U	0.04	0.00021F	0.002U	0.0079F	0.00803	0.0001U	0.0033F	1.91
	O'B&G	9/10/1999	0.00044U	**0.0640**	0.00019U	**0.002F**	**0.009F**	0.00142U	0.00016U	**0.004F**	**2.934**
	O'B&G	12/15/1999	0.00045U	**0.0354**	0.00019U	**0.003F**	**0.002F**	0.00142U	0.00016U	0.0014U	**0.810**
	O'B&G	3/20/2000	**0.0008F**	**0.0366**	0.00019U	**0.004F**	**0.007F**	**0.0108**	0.00016U	0.0014U	**1.122**
	O'B&G	6/14/2000	**0.00045J**	**0.0454**	0.00019U	**0.003F**	**0.01F**	**0.0026F**	0.00008U	0.0014U	**0.422**
	O'B&G	9/13/2000	**0.00045J**	**0.0379**	0.00019U	**0.005F**	**0.004F**	**0.0098J**	0.00012U	**0.002F**	**1.218**
	O'B&G	12/12/2000	0.00045U	**0.0383**	**0.00019J**	**0.003F**	**0.006F**	**0.0165R**	0.00012U	**0.0016F**	**2.150**
	O'B&G	3/19/2001	0.0003U	**0.0334**	0.0002U	**0.002F**	**0.005F**	**0.0072**	0.0001U	0.0011U	**0.954**
	AP26253/AP26258	12/11/2001	0.0008U	**0.0335**	0.0001U	0.001U	**0.005F**	**0.0063**	0.0001U	**0.002F**	**0.739**
	STL D2C150260005	3/14/2002	**0.0005F**	**0.0367**	**0.000062F**	0.0026U	**.008F**	**0.0145**	0.000028U	0.0041U	**1.12**
	STL	6/17/2002	**0.00066F**	**0.037**	0.000022U	0.0026U	.0042U	**0.0154**	0.000028U	0.0041U	**5.800**
	STLD3F180197	6/17/2003	**0.00062F**	**0.037**	0.000051U	0.0021U	**0.0092F**	**0.004**	**0.00004F**	0.0042U	**0.69**
	STLD4F240332	06/22/04	**0.00048F**	**0.037**	0.000028U	0.0021U	**0.013**	**0.0048**	0.000025U	0.0042U	**0.74**
	STLD5F170398	06/16/05	**0.00047F**	**0.038**	0.00004U	0.00082U	**0.0092F**	**0.0068**	0.000044U	0.0012U	1.8
CS-MW16-LGR	Chemron	12/13/1995	0.005U	0.05U	0.005U	0.01U	**0.05**	0.015U	0.0004U	0.02U	**0.15**
	Chemron	2/29/1996	0.005U	**0.03**	0.001U	0.01U	**0.03**	0.002U	0.0004U	0.02U	**0.03**
	ITS	02/21/97[1]	0.001U	0.03	0.0002U	0.002U	0.00916F	0.0015U	0.0001U	0.002U	0.03
	ITS	10/24/97[1]	0.0009U	0.03	0.0002U	0.002U	0.004U	0.0015U	0.0001U	0.0030U	0.02
	O'B&G	9/14/1999	0.00044U	**0.0317**	0.00019U	**0.003F**	**0.002F**	0.00142U	0.00016U	**0.216**	**0.014**
	O'B&G	12/14/1999	0.00045U	**0.0316**	0.00019U	**0.006F**	0.0009U	0.00142U	0.00016U	0.0014U	**0.015**
	O'B&G	3/21/2000	**0.0005F**	**0.0320**	0.00019U	**0.004F**	0.0009U	0.00053U	0.00016U	0.0014U	**0.010F**
	O'B&G	6/13/2000	**0.00045J**	**0.0298**	0.00019U	**0.005F**	0.0009U	0.00053U	0.00008U	0.0014U	**0.011**
Duplicate	O'B&G	6/13/2000	**0.00045J**	**0.0300**	0.00019U	**0.005F**	0.0009U	0.00053U	0.00008U	0.0014U	**0.008F**
	O'B&G	9/12/2000	**0.00045J**	**0.0326**	0.00019U	**0.005F**	0.0009U	**0.00053J**	0.00012U	0.0014U	**0.005F**
	O'B&G	12/13/2000	0.00045U	**0.0332**	**0.00019J**	**0.005F**	**0.001F**	**0.00053J**	0.00012U	**0.0017F**	**0.0086F**
	O'B&G	3/20/2001	0.00028U	**0.0315**	0.00021U	**0.003F**	0.0005U	0.00026U	0.00012U	0.0011U	**0.0138**
	AP18327	6/13/2001	0.0008U	**0.0397**	**0.0002F**	0.001U	**0.005F**	**0.0014F**	0.0001U	0.001U	**0.027F**
	AP22210	9/13/2001	0.0008U	**0.0329J**	0.0001U	**0.002F**	0.003U	**0.0019F**	0.0001U	0.001U	**0.174**
	AP26533/AP26519	12/14/2001	0.0008U	**0.0326**	0.0001U	0.001U	0.003U	0.0008U	0.0001U	0.001U	**0.173**
	STL D2C150260003	3/14/2002	**0.00033F**	**0.0387**	0.000022U	.0026U	.0042U	**0.00038F**	0.000028U	.0041U	**0.779**
	STL	6/18/2002	**0.00067F**	**0.035**	**0.000028F**	**.0026J**	.0042U	**0.00037F**	0.000028U	**.0041J**	**0.694**
Well Upgraded	STL	9/9/2002	**0.00033F**	**0.035**	**0.0001F**	**0.00085F**	**.0059F**	**0.025F**	0.000028U	**.0023F**	**0.26**
	STLD3F200337	6/19/2003	**0.0004F**	**0.038**	0.000051U	0.0021U	**0.0012F**	0.00019U	0.000015U	0.0042U	**0.33**
	STLD4F170404	06/16/04	**0.00027F**	**0.036**	0.000028U	0.0021U	0.00097U	**0.00024F**	0.000025U	0.0042U	**0.63**
	STLD5F170398	06/08/05	**0.00042F**	**0.037**	**0.000093F**	0.00082U	0.0045U	**0.00056F**	0.000044U	0.0012U	**0.32**
CS-MW16-CC	STLD3I170355	9/16/2003	**0.00062F**	**0.018**	0.000051U	0.0021U	**0.0015F**	**0.00032F**	0.000054U	0.0042U	**0.35**
	STLD4F170404	06/16/04	**0.00031F**	**0.022**	0.000028U	0.0021U	**0.0019F**	**0.0015F**	0.000025U	0.0042U	**0.11**
	STLD5F170398	06/08/05	**0.00043F**	**0.023**	0.00004U	0.00082U	0.0045U	**0.00094F**	0.000044U	**0.0043F**	**0.040F**
CS-D	Chemron	12/13/1995	0.005U	0.05U	0.005U	0.01U	0.02U	0.015U	0.0004U	0.02U	**0.03**
	Chemron	2/29/1996	0.005U	**0.03**	0.001U	0.01U	**0.04**	**0.003**	0.0004U	0.02U	**0.03**
	ITS	01/20/97[1]	0.001U	0.03	0.0002U	0.002U	**0.01013F**	0.023	0.0001U	0.002U	0.03
	ITS	10/24/97[1]	0.009U	0.03	0.00026F	0.002U	0.004U	0.00457F	0.0001U	0.0043F	0.02

Appendix C
Groundwater Metals Analytical Results

Well ID	Laboratory	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Zinc (mg/L)
	O'B&G	9/10/1999	Water level	NA	NA	NA	NA	NA	NA	NA	NA
	O'B&G	12/14/1999	Water level	NA	NA	NA	NA	NA	NA	NA	NA
	O'B&G	3/21/2000	Water level	NA	NA	NA	NA	NA	NA	NA	NA
	O'B&G	9/13/2000	Water level	NA	NA	NA	NA	NA	NA	NA	NA
	O'B&G	12/13/2000	0.00045U	**0.03**	**0.00019J**	**0.004F**	0.0005U	**0.0006F**	0.00012U	**0.0018F**	**0.0131**
	O'B&G	3/20/2001	0.00028U	**0.0283**	0.00021U	**0.004F**	**0.001F**	0.00026U	0.00012U	**0.0016F**	**0.0152**
	AP18326	6/13/2001	0.0008U	**0.0299**	**0.0007F**	0.001U	**0.006F**	**0.0038F**	0.0001U	**0.002F**	**0.03F**
	AP22209	9/13/2001	0.0008U	**0.0303J**	0.0001U	0.001U	0.003U	**0.002F**	0.0001U	0.001U	**0.021F**
	AP26531/AP26527	12/14/2001	0.0008U	**0.0291**	**0.0001**	0.001U	0.003U	**0.001F**	0.0001U	0.001U	**0.016F**
Duplicate	AP26532/AP26528	12/14/2001	0.0008U	**0.0294**	0.0001U	0.001U	0.003U	0.0008U	0.0001U	**0.009F**	**0.079**
	STL D2C150260002	3/14/2002	**0.00029F**	**0.0304**	**0.00012F**	.0026U	.0042U	**0.0031**	0.000028U	**.0042F**	**0.0185**
	STL	6/18/2002	**0.00046F**	**0.0273**	**0.00011F**	**.0026J**	.0042U	**0.0044**	0.000028U	**.0041J**	**0.0188**
	STLD3F200337	6/19/2003	**0.00032F**	**0.029**	**0.000099F**	0.0021U	**0.0011F**	**0.00033F**	0.000015U	0.0042U	**0.013**
	STLD4F170404	06/16/04	**0.00016F**	**0.030**	**0.000053F**	0.0021U	0.00097U	**0.00082F**	0.000025U	0.0042U	**0.012F**
Duplicate	STLD4F170404	06/16/04	**0.00028F**	**0.029**	**0.00006F**	0.0021U	0.00097U	**0.00093F**	0.000025U	0.0042U	**0.011F**
	STLD5F170398	06/08/05	**0.00046F**	**0.031**	**0.000093F**	**0.00092F**	0.0045U	**0.0028**	0.000044U	**0.003F**	**0.022F**
CS-MWG-LGR	Chemron	12/12/1995	0.005U	0.05U	0.001U	0.01U	**0.04**	0.002U	0.0004U	0.02U	**0.36**
	Chemron	1/19/1996	0.01U	**0.02**	0.005U	0.01U	**0.12**	**0.048**	0.0004U	0.02U	**2.8**
	Chemron	2/28/1996	0.005U	**0.02**	**0.002**	0.01U	**0.18**	**0.094**	0.0004U	0.02U	**2.8**
	ITS	01/17/97[1]	0.001U	0.03	0.003	0.002U	**0.09**	0.039	0.0001U	0.002U	2.9
	ITS	10/24/97[1]	0.001F	0.03	0.001	0.002U	**0.0434F**	0.020	0.0001U	0.0030U	4.2
	O'B&G	9/8/1999	0.00044U	**0.032**	**0.0017**	**0.003F**	**0.013**	0.00142U	0.00016U	**0.002F**	**4.8**
	AP18432	6/12/2001	0.0008U	**0.0239**	0.0001U	0.001U	0.003U	**0.002F**	0.0001U	0.001U	**0.044F**
	AP22201	9/12/2001	**0.0009F**	**0.0252J**	**0.0003F**	**0.002F**	**0.02**	**0.0369**	0.0001U	0.001U	**0.261**
	AP26733	12/18/2001	0.0008U	**0.0219**	0.0001U	0.001U	0.003U	**0.0015F**	0.0001U	0.001U	**0.053**
	STL D2C140338008	3/13/2002	**0.00066F**	**0.0209**	**0.000041F**	.0026U	**.0056F**	**0.0041**	0.000028U	.0041U	**0.0294**
	STL	6/19/2002	**0.0005F**	**0.0206**	**0.000038F**	.0026U	.0042U	**0.0021**	0.000028U	.0041U	**0.0339**
Well Upgraded	STL	9/11/2002	**0.00032F**	**0.021**	0.000022U	0.00074U	0.00076U	0.00015U	0.000028U	.0017U	**.0095F**
	STLD3F180197	6/16/2003	**0.00047F**	**0.019**	0.000051U	**0.0026F**	**0.0024F**	0.00019U	**0.000032F**	**0.022**	**0.024**
	STLD4F170404	06/15/04	**0.00025F**	**0.020**	0.000028U	0.0021U	0.00097U	**0.00041F**	0.000025U	**0.0044F**	**0.0084F**
	STLD5F170398	06/07/05	**0.00038F**	**0.022**	0.00004U	**0.0012F**	0.0045U	**0.00041F**	0.000044U	**0.035**	**0.022F**
CS-MWH-LGR	Chemron	12/12/1996	**0.005**	0.05U	**0.007**	0.01U	**0.11**	**0.045**	0.0004U	0.02U	**2.2**
	Chemron	2/28/1996	0.005U	**0.04**	0.001U	0.01U	**0.05**	**0.013**	0.0004U	0.02U	**0.28**
	ITS	01/07/97[1]	0.001U	0.03	0.00083F	0.002U	0.02643F	0.007	0.0001U	0.002U	0.73
	ITS	10/23/97[1]	0.0022F	0.03	0.00145F	0.002U	0.0242F	0.011	0.0001U	0.003U	0.78
	AP18433	6/12/2001	0.0008U	**0.0343**	**0.0001**	**0.003F**	**0.025**	**0.0459**	0.0001U	**0.002F**	**0.618**
	AP22202	9/12/2001	**0.0012F**	**0.0317J**	**0.001**	**0.002F**	**0.028**	**0.047**	0.0001U	0.001U	**0.813**
	AP26732	12/18/2001	0.0008U	**0.0191**	**0.0002F**	**0.004F**	0.003U	**0.005**	0.0001U	0.001U	**0.09**
	STL D2C140338007	3/13/2002	**.0012F**	**0.0292**	**0.000097F**	.0026U	.0042U	**0.0033**	0.000028U	.0041U	**0.0839**
	STL	6/19/2002	**.0012F**	**0.0267**	**0.00023F**	.0026U	**.0092F**	**0.0089**	0.000028U	.0041U	**0.160**
Well Upgraded	STLD3C240193	3/17/2003	**0.00037F**	**0.029**	**0.00003F**	**.0081F**	0.00076U	**0.003**	0.000015U	**0.017**	**0.56**
	STLD4F170404	06/15/04	**0.00038F**	**0.029**	0.000028U	0.0021U	0.00097U	**0.0023**	0.000025U	**0.0059F**	**0.68**
	STLD5F170398	06/06/05	**0.00074F**	**0.028**	0.00004U	**0.0066F**	0.0045U	**0.0027**	0.000044U	**0.0066F**	**2**
CS-I	Chemron	12/12/1995	0.005U	**0.06**	0.005U	0.01U	**0.05**	**0.019**	0.0004U	0.02U	**9.9**
	Chemron	1/19/1996	0.01U	**0.05**	0.005U	0.01U	**0.1**	**0.022**	0.0004U	0.02U	**8.2**
	Chemron	2/28/1996	0.005U	**0.05**	0.001U	0.01U	**0.07**	**0.018**	0.0004U	0.02U	**8.4**
	ITS	10/23/97[1]	0.0009U	0.11	0.0002U	0.002U	0.004U	0.00225F	0.0001U	0.004F	**1.94**
	O'B&G	9/7/1999	0.00044U	**0.1169**	0.00019U	**0.004F**	**0.004F**	0.00142U	0.00016U	**0.002F**	**1.77**
	O'B&G	12/14/1999	0.00045U	**0.1155**	0.00019U	**0.005F**	**0.006F**	0.00142U	0.00016U	**0.003F**	**1.77**
	O'B&G	3/21/2000	**0.0006F**	**0.1242**	0.00019U	**0.004F**	0.0009U	0.00053U	0.00016U	**0.002F**	**1.51**
	O'B&G	6/13/2000	**0.00045J**	**0.1231**	0.00019U	**0.005F**	**0.002F**	0.00053U	0.00008U	**0.002F**	**1.58**
	O'B&G	9/12/2000	**0.00045J**	**0.1252**	0.00019U	**0.005F**	**0.003F**	**0.00053J**	0.00012U	**0.003F**	**1.718**
	O'B&G	12/12/2000	0.00045U	**0.1359**	**0.00019J**	**0.004F**	**0.001F**	**0.002F**	0.00012U	**0.0015F**	**2.576**
	O'B&G	3/20/2001	0.00028U	**0.1322**	0.00021U	**0.004F**	**0.001F**	0.00026U	0.00012U	**0.0016F**	**2.950**
	AP18434	6/12/2001	0.0008U	**0.1413**	0.0001U	**0.002F**	**0.014**	**0.0349**	0.0001U	**0.003F**	**3470.5**
	AP22206	9/12/2001	0.0008U	**0.1028J**	0.0001U	0.001U	**0.008F**	**0.0193**	**0.0002F**	**0.003F**	**2.921**
	AP26642/AP26639	12/17/2001	0.0008U	**0.1256**	**0.0003F**	0.001U	**0.039**	**0.0827**	**0.0002F**	0.001U	**3.08**
	STL D2C140338009	3/13/2002	**.0019F**	**0.2**	**0.00022F**	**.0091F**	**0.0572**	**0.087**	**0.00066F**	**.0069F**	**8.62**
	STLD4F170404	06/15/04	**0.00025F**	**0.130**	0.000028U	0.0021U	0.00097U	**0.0003F**	0.000025U	0.0042U	**0.018F**
	STLD5F170398	06/06/05	**0.00031F**	**0.12**	**0.000089F**	0.00082U	0.0045U	**0.0028**	0.000044U	0.0012U	**0.035F**
Reservoir	Chemron	01/19/96	0.01U	**0.03**	0.005U	0.01U	**0.05**	**0.003**	0.0004U	0.02U	**0.06**
	Chemron	3/1/1996	**0.005**	**0.04**	0.001U	0.01U	**0.07**	0.002U	0.0004U	0.02U	**0.08**
CS-MW1-LGR	ITS	01/09/97[1]	0.001U	0.03	0.0002U	0.002U	0.01033F	0.0015U	0.0001U	0.00962F	0.016U
	ITS	10/23/97[1]	0.009U	0.03	0.0002U	0.002U	0.004U	0.0015U	0.0001U	0.0033F	0.016U
	O'B&G	9/8/1999	0.00044U	**0.0294**	0.00019U	**0.004F**	**0.001F**	0.00142U	0.00016U	**0.002F**	**0.009F**
	O'B&G	12/13/1999	**0.0006F**	**0.0258**	0.00019U	**0.006F**	**0.001F**	0.00142U	0.00016U	**0.005F**	**0.005F**
	O'B&G	3/21/2000	**0.0014F**	**0.0260**	0.00019U	**0.006F**	0.0009U	0.00053U	0.00016U	**0.006F**	**0.008F**
	O'B&G	6/12/2000	**0.001F**	**0.0255**	0.00019U	**0.006F**	0.0009U	0.00053U	0.00008U	**0.005F**	**0.006F**
	O'B&G	9/12/2000	**0.0007F**	**0.0285**	**0.0006F**	**0.005F**	**0.001F**	**0.00053J**	0.00012U	**0.0014F**	**0.004F**
	O'B&G	12/13/2000	**0.0006F**	**0.0310**	**0.00019J**	**0.004F**	0.0005U	**0.00053J**	0.00012U	**0.0029F**	**0.0039F**
	O'B&G	3/20/2001	0.00026U	**0.0299**	0.00021U	**0.004F**	0.0005U	0.00026U	0.00012U	**0.002F**	**0.0033F**
	AP18324	6/13/2001	0.0008U	**0.0333**	0.0001U	**0.003F**	**0.005F**	0.0008U	0.0001U	**0.003F**	**0.017F**
	AP22212	9/13/2001	**0.0015F**	**0.033J**	0.0001U	0.001U	0.003U	0.0008U	0.0001U	**0.002F**	**0.012F**
	AP26362/AP26368	12/12/2001	0.0008U	**0.0327**	0.0001U	0.001U	0.003U	0.0008U	0.0001U	0.001U	**0.013F**
	STL D2C150260006	3/14/2002	**0.00074F**	**0.0335**	0.000022U	.0026U	.0042U	0.00015U	0.000028U	.0041U	**0.0124**
Duplicate	STL D2C150260007	3/14/2002	**0.00064F**	**0.0336**	0.000022U	.0026U	.0042U	0.00015U	0.000028U	.0041U	**.0037F**
Well Upgraded	STL	9/10/2002	**0.0007F**	**0.04**	**0.000027F**	**.0013F**	**.0023F**	**0.0004F**	0.000028U	**.0041F**	**0.081**
	STLD3F200337	6/19/2003	**0.00036F**	**0.032**	0.000051U	0.0021U	**0.0014F**	**0.00047F**	0.000015U	**0.0089F**	**0.0069F**
	STLD4F180203	06/17/04	**0.00026F**	**0.032**	0.000028U	0.0021U	0.00097U	**0.000091F**	0.000025U	**0.044**	0.0036U
	STLD5F170398	06/13/05	**0.00056F**	**0.029**	0.00004U	**0.0048F**	0.0045U	**0.0001F**	0.000044U	**0.022**	0.0044U
CS-MW1-BS	D3C260199	3/25/2003	**.0016F**	**0.03**	**0.000025F**	**.001F**	**.0018F**	0.00015U	0.000015U	.0017U	**0.034**
	STLD3F180197	6/16/2003	**0.002F**	**0.051**	0.000051U	**0.0058F**	**0.0017F**	**0.0002F**	**0.000038F**	**0.0098F**	**0.078**
	STLD4F180203	06/17/04	**0.002F**	**0.038**	**0.000036F**	0.0021U	0.00097U	0.000077U	0.000025U	0.0042U	0.0036U
Duplicate	STLD4F180203	06/17/04	**0.002F**	**0.038**	**0.000033F**	0.0021U	0.00097U	0.000077U	0.000025U	0.0042U	0.0036U
	STLD5F170398	06/13/05	**0.0026F**	**0.038**	0.00004U	0.00082U	0.0045U	**0.00033F**	**0.000071F**	**0.0033F**	0.0044U
CS-MW1-CC	D3C260199	3/25/2003	**.0015F**	**0.027**	0.000022U	0.00074U	**.0018F**	0.00015U	0.000015U	.0017U	.0033U
	STLD3F180197	6/16/2003	**0.00057F**	**0.03**	0.000051U	0.0021U	**0.0017F**	0.00019U	**0.000038F**	0.0042U	**0.005F**
	STLD5F170398	06/13/05	**0.00038F**	**0.017**	0.00004U	**0.0014F**	0.0045U	**0.00032F**	**0.000054F**	0.0012U	**0.0047F**

Appendix C
Groundwater Metals Analytical Results

Well ID	Laboratory	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Zinc (mg/L)
CS-MW2-LGR	ITS	01/10/97[1]	0.001U	0.04	0.0002U	0.002U	0.01134F	0.0015U	0.0001U	0.01205F	0.01972F
	ITS	10/24/97[1]	0.0011F	0.03	0.00034U	0.002U	0.0044F	0.0015U	0.0001U	0.0095F	0.0193F
	O'B&G	9/9/1999	**0.0005F**	**0.0333**	0.00019U	**0.004F**	0.0009U	0.00142U	0.00016U	**0.022**	**0.011**
Duplicate	O'B&G	9/9/1999	0.00044U	**0.0327**	0.00019U	**0.004F**	0.0009U	0.00142U	0.00016U	**0.022**	**0.009F**
	O'B&G	12/13/1999	**0.0005F**	**0.0328**	0.00019U	**0.006F**	0.0009U	0.00142U	0.00016U	**0.033**	**0.005F**
Duplicate	O'B&G	12/13/1999	0.00045U	**0.0321**	0.00019U	**0.005F**	**0.001F**	0.00142U	0.00016U	**0.032**	**0.007F**
	O'B&G	3/21/2000	**0.0005F**	**0.0318**	0.00019U	**0.005F**	0.0009U	0.00053U	0.00016U	**0.035**	**0.008F**
Duplicate	O'B&G	3/21/2000	**0.0006F**	**0.0327**	0.00019U	**0.009F**	0.0009U	0.00053U	0.00016U	**0.038**	**0.006F**
	O'B&G	6/12/2000	**0.00045J**	**0.0314**	0.00019U	**0.006F**	0.0009U	0.00053U	0.00008U	**0.035**	**0.005F**
	O'B&G	9/12/2000	**0.00045J**	**0.0324**	0.00019U	**0.007F**	**0.001F**	**0.00053J**	0.00012U	**0.038**	**0.003F**
Duplicate	O'B&G	9/12/2000	**0.0005F**	**0.0320**	0.00019U	**0.006F**	**0.001F**	**0.00053J**	0.00012U	**0.038**	**0.004F**
	O'B&G	12/12/2000	0.00045U	**0.0324**	**0.0003F**	**0.008F**	**0.001F**	**0.00053J**	0.00012U	**0.037**	**0.0077F**
Duplicate	O'B&G	12/12/2000	0.00045U	**0.0322**	**0.00019J**	**0.006F**	0.0005U	**0.00053J**	0.00012U	**0.0309**	**0.0052F**
	O'B&G	3/20/2001	0.00028U	**0.0309**	0.00021U	**0.004F**	**0.001F**	0.00026U	0.00012U	**0.0285**	**0.0065F**
Duplicate	O'B&G	3/20/2001	0.00028U	**0.0304**	0.00021U	**0.004F**	**0.001F**	0.00026U	0.00012U	**0.0283**	**0.0068F**
	AP18325	6/13/2001	0.0008U	**0.0345**	**0.0003F**	**0.003F**	**0.005F**	**0.001F**	0.0001U	**0.02**	**0.022F**
	AP22211	9/13/2001	0.0008U	**0.0346J**	0.0001U	0.001U	0.003U	0.0008U	0.0001U	**0.027**	**0.012F**
	AP26363/AP26369	12/12/2001	0.0008U	**0.0351**	0.0001U	0.001U	0.003U	0.0008U	0.0001U	**0.024**	**0.012F**
Duplicate	AP26364/AP26370	12/12/2001	0.0008U	**0.0337**	0.0001U	0.001U	0.003U	0.0008U	0.0001U	**0.022**	**0.019F**
	STL D2C150260004	3/14/2002	**0.00053F**	**0.0351**	**0.000095F**	.0026U	.0042U	**0.00021F**	0.000028U	**0.0237**	**.0066F**
Well Upgraded	STL	9/10/2002	**.0032F**	**0.044**	**0.000066F**	0.00074U	0.00076U	**0.00064F**	0.000028U	**0.013**	**.0078F**
	STLD3F180197	6/17/2003	**0.004F**	**0.04**	0.000051U	0.0021U	**0.0024F**	0.00019U	**0.000038F**	**0.0042**	**0.026**
	STLD4F180203	06/17/04	**0.00046F**	**0.019**	0.000028U	0.0021U	0.00097U	**0.00014F**	0.000025U	0.0042U	0.0036U
	STLD4F180203	06/17/04	**0.0019F**	**0.091**	0.000028U	0.0021U	0.00097U	**0.00018F**	0.000025U	0.0042U	**0.017F**
	STLD5F170398	06/08/05	**0.0033F**	**0.12**	**0.00005F**	**0.0018F**	0.0045U	**0.0036**	0.000044U	**0.0039F**	**0.11**
CS-MW2-CC	STLD3F180197	6/17/2003	**0.00046F**	**0.037**	0.000051U	0.0021U	**0.0011F**	0.00019U	**0.000037F**	0.0042U	**0.027**
	STLD4F180203	06/17/04	**0.0003F**	**0.021**	0.000028U	0.0021U	0.00097U	0.000077U	0.000025U	0.0042U	0.0036U
	STLD5F170398	06/08/05	**0.00046F**	**0.017**	0.00004U	0.00082U	0.0045U	**0.0002F**	0.000044U	**0.0026F**	**0.011F**
CS-MW3-LGR	AP18445	6/14/2001	0.0008U	**0.0279**	**0.0002F**	**0.002F**	0.003U	**0.0316**	0.0001U	**0.003F**	**0.062**
	AP22207	9/12/2001	**0.0021F**	**0.0286J**	0.0001U	0.001U	0.003U	**0.002F**	0.0001U	**0.004F**	**0.055**
	AP26643/AP26640	12/17/2001	0.0008U	**0.0281**	0.0001U	0.001U	0.003U	**0.0009F**	0.0001U	0.001U	**0.036F**
Duplicate	AP26644/AP26641	12/17/2001	0.0008U	**0.0277**	0.0001U	0.001U	0.003U	0.0008U	0.0001U	0.001U	**0.045F**
	STL D2C140338006	3/13/2002	**0.00064F**	**0.0268**	0.000022U	.0026U	.0042U	**0.00023F**	0.000028U	.0041U	**0.0216**
	STLD3F210180	6/20/2003	**0.00048F**	**0.027**	**0.000081F**	0.0021U	0.00097U	0.00019U	0.000015U	0.0042U	**0.02**
	STLD4F170404	06/15/04	**0.00069F**	**0.028**	0.000028U	0.0021U	0.00097U	**0.00013F**	0.000025U	0.0042U	**0.020F**
	STLD5F170398	06/07/05	**0.00044F**	**0.028**	0.00004U	0.00082U	0.0045U	**0.00014F**	0.000044U	**0.0014F**	**0.021F**
CS-MW4-LGR	AP18446	6/14/2001	**0.003F**	**0.0463**	0.0001U	0.001U	0.003U	0.0008U	0.0001U	**0.029**	**0.012F**
Duplicate	AP18447	6/14/2001	**0.003F**	**0.0473**	0.0001U	**0.002F**	**0.004F**	0.0008U	0.0001U	**0.025**	**0.019F**
	AP22214	9/13/2001	**0.0012F**	**0.0421J**	0.0001U	0.001U	0.003U	0.0008U	0.0001U	**0.012**	**0.009F**
	AP26365/AP26371	12/12/2001	**0.0009F**	**0.0436**	0.0001U	0.001U	0.003U	0.0008U	0.0001U	**0.007F**	0.008U
	STL D2C150260008	3/14/2002	**.0011F**	**0.0465**	**0.000032F**	.0026U	.0042U	**0.00015F**	0.000028U	**0.0138**	.0033U
	STL	6/18/2002	**.0016F**	**0.0489**	0.000022U	**.0026J**	.0042U	0.00015U	0.000028U	**.0101J**	**.0055F**
	STLD3F240154	6/23/2003	**0.002F**	**0.051**	0.000051U	0.0021U	0.00097U	0.00019U	0.000015U	**0.011**	**0.013**
	STLD4F180203	06/17/04	**0.0013F**	**0.053**	0.000028U	0.0021U	0.00097U	0.000077U	0.000025U	**0.011**	0.0036U
	STLD5F170398	06/08/05	**0.0013F**	**0.054**	0.00004U	0.00082U	0.0045U	**0.00024F**	**0.000045F**	**0.0027F**	**0.018F**
CS-MW5-LGR	AP18448	6/14/2001	**0.0052**	**0.0367**	0.0001U	**0.002F**	0.003U	0.0008U	0.0001U	**0.032**	**0.144**
	AP22208	9/12/2001	**0.0041F**	**0.0299J**	0.0001U	0.001U	0.003U	**0.0009F**	0.0001U	**0.023**	**0.059**
	AP26366/AP26372	12/12/2001	**0.0021F**	**0.0318**	0.0001U	0.001U	0.003U	0.0008U	0.0001U	**0.019**	**0.048F**
	STL D2C230158002	3/21/2002	**.0045F**	**0.0061**	**0.000022F**	.0026U	.0042U	**0.00056F**	0.000028U	**.009F**	**0.0162**
	STL	6/18/2002	**.0041F**	**0.0279**	0.000022U	**.0026J**	.0042U	**0.00022F**	0.000028U	**.029J**	**0.0423**
	STLD3F240154	6/23/2003	**0.0022F**	**0.029**	**0.00031F**	0.0021U	0.00097U	0.00019U	0.000015U	**0.015**	**0.029**
	STLD4F170404	06/16/04	**0.0017F**	**0.027**	0.000028U	0.0021U	0.00097U	**0.000094F**	0.000025U	**0.0095F**	**0.0095F**
	STLD5F170398	06/08/05	**0.002F**	**0.03**	0.00004U	0.00082U	0.0045U	**0.00014F**	0.000044U	**0.0086F**	**0.021F**
Duplicate	STLD5F170398	06/08/05	**0.0018F**	**0.027**	0.00004U	0.00082U	0.0045U	**0.00045F**	0.000044U	**0.0083F**	**0.014F**
CS-MW6-LGR	AP18328	6/13/2001	0.0008U	**0.0363**	0.0001U	**0.011**	**0.005F**	**0.0012F**	0.0001U	**0.003F**	**0.035F**
	AP22221	9/13/2001	0.0008U	**0.0331J**	0.0001U	**0.004F**	**0.006F**	0.0008U	0.0001U	**0.05**	**0.026F**
	AP26445/AP26437	12/13/2001	0.0008U	**0.0326**	0.0001U	0.001U	0.003U	0.0008U	0.0001U	**0.065**	**0.018F**
	STL D2C130247003	3/12/2002	**0.00074F**	**0.0346**	0.000022U	.0026U	.0042U	**0.00028F**	0.000028U	**0.019**	**0.0161**
	STL	6/20/2002	**.0001F**	**0.0405**	0.000022U	**.007F**	.0042U	**0.00068F**	0.000028U	**0.0328**	**.0168J**
	STLD3F190360	6/18/2003	**0.00075F**	**0.031**	0.000051U	0.0021U	0.00097U	0.00019U	0.000015U	**0.013**	**0.0096F**
	STLD4F220238	06/21/04	**0.00068F**	**0.039**	0.000028U	0.0021U	0.00097U	0.000077U	0.000025U	**0.016**	**0.0086F**
	STLD5F170398	06/09/05	**0.00084F**	**0.038**	0.00004U	0.00082U	0.0045U	**0.00022F**	**0.000082F**	**0.0046F**	**0.008F**
CS-MW6-BS	AP18329	6/13/2001	**0.0013F**	**0.0095**	0.0001U	**0.005F**	**0.009F**	0.0008U	0.0001U	**0.003F**	**0.085**
	AP18329	6/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA
	AP18329	6/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA
	AP22222	9/13/2001	**0.0034F**	**0.0334J**	0.0001U	0.001U	**0.004F**	0.0008U	0.0001U	0.001U	**0.009F**
	AP26446/AP26438	12/13/2001	**0.0027F**	**0.0335**	0.0001U	0.001U	0.003U	0.0008U	**0.0002F**	0.001U	0.008U
	STL D2C130247004	3/12/2002	**.0025F**	**0.0187**	0.000022U	.0026U	.0042U	0.00015U	0.000028U	.0041U	.0033U
	STL	6/20/2002	**.0025F**	**0.0171**	0.000022U	.0026U	.0042U	0.00015U	0.000028U	.0041U	**.0037F**
	STLD3F190360	6/18/2003	**0.0027F**	**0.036**	0.000051U	0.0021U	0.00097U	0.00019U	0.000015U	0.0042U	0.0036U
	STLD4F220238	06/21/04	**0.0056F**	**0.033**	0.000028U	0.0021U	0.00097U	0.000077U	0.000025U	0.0042U	**0.022F**
	STLD5F170398	06/09/05	**0.0026F**	**0.039**	0.00004U	0.00082U	0.0045U	**0.00011F**	0.000044U	0.0012U	0.0044U
CS-MW6-CC	AP18330	6/13/2001	0.0008U	**0.012**	0.0001U	**0.017**	**0.005F**	0.0008U	0.0001U	**0.008F**	**0.018F**
	AP18330	6/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA
	AP18330	6/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA
	AP22223	9/13/2001	**0.0028F**	**0.0343J**	0.0001U	0.001U	**0.006F**	0.0008U	0.0001U	**0.006F**	**0.124**
	AP26447/AP26439	12/13/2001	**0.0014F**	**0.037**	0.0001U	0.001U	0.003U	**0.0016F**	**0.0002F**	**0.002F**	**0.033F**
	STL D2C130247005	3/12/2002	**.0015F**	**0.0375**	0.000022U	.0026U	.0042U	**0.00018F**	0.000028U	.0041U	**0.0591**
	STL	6/20/2002	**.0013F**	**0.0351**	0.000022U	.0026U	.0042U	0.00015U	0.000028U	.0041U	**0.0542J**
Duplicate	STL	6/20/2002	**.0014F**	**0.0338**	0.000022U	.0026U	.0042U	**0.00026F**	0.000028U	.0041U	**.0468J**
	STLD3F190360	6/18/2003	**0.00097F**	**0.036**	**0.000083F**	0.0021U	0.00097U	0.00019U	0.000015U	0.0042U	**0.0097F**
	STLD4F220238	06/21/04	**0.0013F**	**0.036**	0.000028U	0.0021U	0.00097U	0.000077U	0.000025U	0.0042U	**0.019F**
	STLD5F170398	06/09/05	**0.00097F**	**0.038**	0.00004U	0.00082U	0.0045U	0.00009U	0.000044U	0.0012U	**0.0068F**
Duplicate	STLD5F170398	06/09/05	**0.001F**	**0.038**	0.00004U	0.00082U	0.0045U	0.00009U	0.000044U	**0.0014F**	0.0044U
CS-MW7-LGR	AP22218	9/13/2001	0.0008U	**0.0375J**	0.0001U	0.001U	0.003U	0.0008M	0.0001U	**0.007F**	**0.054**
Duplicate	AP22219	9/13/2001	0.0008U	**0.0381J**	0.0001U	0.001U	**0.009F**	0.0008U	0.0001U	**0.002F**	**0.039F**
	AP22232	9/17/2001	NA	**0.0368J**	NA	**0.002F**	**0.004F**	NA	NA	**0.01**	**0.049F**
	AP26529/AP26525	12/14/2001	0.0008U	**0.043**	**0.0001J**	0.001U	0.003U	0.0008U	0.0001U	0.001U	**0.031F**

Appendix C
Groundwater Metals Analytical Results

Well ID	Laboratory	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Zinc (mg/L)
	STL D2C130247002	3/12/2002	**0.0005F**	**0.0198**	0.000022U	.0026U	.0042U	**0.00018F**	0.000028U	**.0047F**	**0.0108**
	STL	6/24/2002	**0.00073F**	**0.0336**	0.000022U	.0026U	.0042U	**0.00015**	0.000028U	.0041U	**0.0273**
	STLD3F240154	6/23/2003	**0.00061F**	**0.041**	**0.000078F**	0.0021U	0.00097U	0.00019U	0.000015U	0.0042U	**0.029**
	STLD4F240332	06/23/04	**0.00071F**	**0.047**	0.000028U	0.0021U	0.00097U	**0.00013F**	0.000025U	0.0042U	**0.0044F**
	STLD5F170398	06/13/05	**0.00077F**	**0.04**	0.00004U	**0.0013F**	0.0045U	**0.00051F**	**0.000067F**	**0.0014F**	**0.012F**
CS-MW7-CC	AP22215	9/13/2001	**0.0039F**	**0.0315J**	0.0001U	**0.002F**	0.003U	0.0008U	**0.0002F**	**0.009F**	**0.035F**
Duplicate	AP22216	9/13/2001	**0.0042F**	**0.0318J**	0.0001U	0.001U	0.003U	0.0008U	**0.0002F**	**0.009F**	**0.026F**
	AP22233	9/17/2001	NA	**0.0332J**	NA	0.001U	0.003U	NA	NA	**0.01**	**0.025F**
	AP26530/AP26526	12/14/2001	0.0008U	**0.0278**	0.0001U	0.001U	0.003U	**0.0012F**	**0.0002F**	**0.002F**	0.008U
	STL D2C130247001	3/12/2002	**.0015F**	**0.0273**	0.000022U	.0026U	.0042U	**0.00019F**	0.000028U	.0041U	**0.0246**
	STL	6/24/2002	**.0018F**	**0.0259**	0.000022U	**.0056F**	.0042U	**.0011F**	0.000028U	**.007F**	**0.0566**
	STLD3F240154	6/23/2003	**0.001F**	**0.025**	0.000051U	0.0021U	0.00097U	0.00019U	0.000015U	0.0042U	**0.013**
	STLD4F240332	06/23/04	**0.0011F**	**0.028**	0.000028U	0.0021U	0.00097U	**0.00011F**	0.000025U	0.0042U	0.0036U
Duplicate	STLD4F240332	06/23/04	**0.0012F**	**0.028**	0.000028U	0.0021U	0.00097U	0.000077U	0.000025U	0.0042U	0.0036U
	STLD5F170398	06/13/05	**0.0012F**	**0.027**	0.00004U	0.00082U	0.0045U	**0.00072F**	**0.000052F**	0.0012U	0.0044U
CS-MW8-LGR	AP18435	6/12/2001	0.0008U	**0.0417**	0.0001U	0.001U	**0.004F**	**0.001F**	0.0001U	**0.002F**	**0.078**
	AP22227	9/13/2001	0.0008U	**0.0378J**	0.0001U	0.001U	0.003U	**0.0013M**	0.0001U	**0.003F**	**0.088**
Duplicate	AP22228	9/13/2001	**0.0011F**	**0.0389J**	0.0001U	0.001U	0.003U	**0.0012F**	**0.0002F**	**0.004F**	**0.087**
	AP26448/AP26440	12/13/2001	0.0008U	**0.0383**	0.0001U	0.001U	0.003U	**0.0011F**	0.0001U	0.001U	**0.067**
	STL D2C130247006	3/12/2002	**0.0005F**	**0.0378**	0.000022U	.0026U	.0042U	0.00015U	0.000028U	**0.0103**	**0.0737**
	STL	6/19/2002	**0.00081F**	**0.0361**	**0.00012F**	.0026U	**0.0106**	**0.00091F**	0.000028U	**.0069F**	**0.053**
	STLD3F190360	6/18/2003	**0.00065F**	**0.035**	0.051U	0.0021U	0.00097U	0.00019U	0.000015U	0.0042U	**0.035**
	STLD4F220238	06/21/04	**0.0008F**	**0.035**	0.000028U	0.0021U	0.00097U	**0.00016F**	0.000025U	0.0042U	**0.018F**
Duplicate	STLD4F220238	06/21/04	**0.00074F**	**0.036**	0.000028U	0.0021U	0.00097U	0.000077U	0.000025U	0.0042U	**0.017F**
	STLD5F170398	06/09/05	**0.00097F**	**0.036**	0.00004U	**0.0021F**	0.0045U	**0.00033F**	0.000044U	**0.0017F**	**0.018F**
CS-MW8-CC	AP18444	6/14/2001	**0.0037F**	**0.0352**	0.0001U	**0.002F**	**0.019**	**0.0026F**	0.0001U	**0.023**	**0.069**
	AP22224	9/13/2001	**0.0072**	**0.0376J**	0.0001U	0.001U	**0.006F**	0.0008U	0.0001U	**0.008F**	**0.023F**
	AP26449/AP26441	12/13/2001	**0.0043F**	**0.0416**	0.0001U	0.001U	0.003U	**0.0012F**	0.0001U	0.001U	0.008U
	STL D2C130247007	3/12/2002	**.0043F**	**0.032**	0.000022U	.0026U	.0042U	0.00015U	0.000028U	.0041U	.0033U
	STL	6/19/2002	**.0026F**	**0.0088**	**0.000058F**	.0026U	.0042U	**0.00035F**	0.000028U	.0041U	.0033U
	STLD3F200337	6/19/2003	**0.0031F**	**0.034**	0.000051U	0.0021U	**0.0015F**	0.00019U	**0.000023F**	0.0042U	**0.005F**
	STLD4F240332	06/23/04	**0.0033F**	**0.030**	0.000028U	0.0021U	0.00097U	**0.00012F**	0.000025U	0.0042U	0.0036U
	STLD5F170398	06/09/05	**0.0024F**	**0.03**	0.00004U	0.00082U	0.0045U	**0.00015F**	0.000044U	0.0012U	0.0044U
CS-MW9-LGR	AP18439	6/14/2001	0.0008U	**0.0675**	**0.0002F**	**0.002F**	0.003U	**0.0025F**	0.0001U	**0.024**	**0.02F**
Duplicate	AP18440	6/14/2001	0.0008U	**0.0636**	0.0001U	**0.002F**	0.003U	**0.0012F**	**0.0002F**	**0.024**	**0.022F**
	AP22203	9/12/2001	0.0008U	**0.0419J**	0.0001U	**0.003F**	0.003U	**0.0009F**	0.0001U	**0.01**	**0.017F**
	AP26535/AP26521	12/14/2001	0.0008U	**0.0338**	**0.0001J**	0.001U	0.003U	0.0008U	**0.0002F**	**0.018**	0.008U
	STL D2C140338002	3/13/2002	**0.00062F**	**0.035**	0.000022U	.0026U	.0042U	0.00015U	0.000028U	**0.033**	**0.0135**
Duplicate	STL D2C140338003	3/13/2002	**0.00061F**	**0.035**	0.000022U	.0026U	.0042U	0.00015U	0.000028U	**0.0331**	**0.0132**
	STL	6/19/2002	**0.00059F**	**0.0319**	**0.000044F**	.0026U	.0042U	**.0015F**	0.000028U	**0.0148**	**0.0142**
	STLD3F210180	6/20/2003	**0.00042F**	**0.031**	0.000051U	0.0021U	0.00097U	0.00019U	0.000015U	**0.045**	**0.016**
	STLD4F170404	06/15/04	**0.00035F**	**0.034**	0.000028U	0.0021U	0.00097U	**0.000082F**	0.000025U	**0.041**	**0.0046F**
	STLD5F170398	06/10/05	**0.00057F**	**0.031**	0.00004U	**0.0035F**	0.0045U	**0.00019F**	0.000044U	**0.052**	**0.018F**
CS-MW9-BS	AP18441	6/14/2001	**0.0015F**	**0.0134**	0.0001U	**0.003F**	0.003U	**0.0009F**	0.0001U	**0.003F**	**0.021F**
	AP22204	9/12/2001	**0.001F**	**0.025J**	0.0001U	0.001U	0.003U	**0.0024F**	**0.0002F**	0.001U	**0.016F**
	AP26536/AP26522	12/14/2001	0.0008U	**0.0204**	0.0001U	0.001U	0.003U	0.0008U	**0.0002F**	0.001U	0.008U
	STL D2C140338004	3/13/2002	**.0016F**	**0.0176**	0.000022U	.0026U	.0042U	0.00015U	0.000028U	.0041U	**.0033F**
	STL	6/19/2002	**.0018F**	**0.022**	0.000022U	.0026U	.0042U	**0.00054F**	0.000028U	.0041U	**0.0033**
	STLD3F210180	6/20/2003	**0.00094F**	**0.048**	0.000051U	0.0021U	0.00097U	0.00019U	0.000015U	0.0042U	**0.0074F**
	STLD4F170404	06/15/04	**0.0028F**	**0.059**	**0.000033F**	0.0021U	0.00097U	**0.0002F**	0.000025U	0.0042U	**0.0044F**
	STLD5F170398	06/10/05	**0.0024F**	**0.079**	0.00004U	0.00082U	0.0045U	**0.0041**	0.000044U	0.0012U	**0.036F**
CS-MW9-CC	AP18442	6/14/2001	**0.0013F**	**0.0274**	0.0001U	**0.002F**	0.003U	0.0008U	0.0001U	**0.005F**	**0.054**
	AP22205	9/12/2001	0.0008U	**0.0193J**	0.0001U	0.001U	0.003U	0.0008U	0.0001U	**0.003F**	**0.036F**
	AP26537/AP26523	12/14/2001	**0.001F**	**0.0195**	0.0001U	**0.013**	0.003U	0.0008U	0.0001U	0.001U	**0.01F**
	STL D2C140338005	3/13/2002	**.0012F**	**0.0205**	0.000022U	.0026U	.0042U	0.00015U	0.000028U	.0041U	**.0092F**
	STL	6/19/2002	**.0013F**	**0.0185**	0.000022U	.0026U	.0042U	0.00015U	0.000028U	.0041U	**0.0403**
	STLD3F210180	6/20/2003	**0.00034F**	**0.02**	0.000051U	0.0021U	0.00097U	0.00019U	0.000015U	0.0042U	**0.011**
Duplicate	STLD3F210180	6/20/2003	**0.00029F**	**0.019**	0.000051U	0.0021U	0.00097U	0.00019U	0.000015U	0.0042U	**0.0056F**
	STLD4F170404	06/15/04	**0.00023F**	**0.022**	0.000028U	0.0021U	0.00097U	0.000077U	0.000025U	0.0042U	0.0036U
	STLD5F170398	06/10/05	**0.00054F**	**0.019**	0.00004U	0.00082U	0.0045U	**0.00019F**	**0.00008F**	0.0012U	0.0044U
CS-MW10-LGR	AP26450/AP26442	12/13/2001	0.0008U	**0.0414**	0.0001U	0.001U	**0.014**	**0.0022F**	0.0001U	0.001U	**0.052**
	STL D2C130247008	3/12/2002	**0.00062F**	**0.0258**	0.000022U	.0026U	.0042U	0.00015U	0.000028U	.0041U	**.0063F**
	STL	6/18/2002	**0.00078F**	**0.0348**	0.000022U	**.0026J**	.0042U	0.00015U	0.000028U	**.0041J**	**.005F**
	STLD3F190360	6/18/2003	**0.00063F**	**0.048**	0.000051U	0.0021U	0.00097U	**0.00028F**	0.000015U	0.0042U	**0.0073F**
Duplicate	STLD3F190360	6/18/2003	**0.00063F**	**0.047**	0.000051U	0.0021U	0.00097U	0.00019U	0.000015U	0.0042U	**0.0067F**
	STLD4F240332	06/23/04	**0.00066F**	**0.046**	0.000028U	0.0021U	0.00097U	**0.00019F**	0.000025U	0.0042U	0.0036U
	STLD5F170398	06/09/05	**0.00084F**	**0.048**	0.00004U	0.00082U	0.0045U	0.00009U	0.000044U	**0.0014F**	**0.0084F**
CS-MW10-CC	AP26451/AP26443	12/13/2001	**0.0058**	**0.0326**	0.0001U	0.001U	0.003U	**0.0016F**	0.0001U	**0.021**	**0.06**
	STL D2C130247009	3/12/2002	**.0037F**	**0.0273**	0.000022U	.0026U	.0042U	0.00015U	0.000028U	**.0058F**	**0.0173**
	STL	6/18/2002	**.0033F**	**0.0243**	**0.000034F**	**.0026J**	.0042U	0.00015U	0.000028U	**.0041J**	**.007F**
	STLD3F190360	6/18/2003	**0.0026F**	**0.032**	0.000051U	**0.0035F**	0.00097U	0.00019U	0.000015U	**0.0068F**	**0.0059F**
	STLD4F240332	06/23/04	**0.0021F**	**0.032**	0.000028U	0.0021U	0.00097U	**0.00011F**	0.000025U	0.0042U	0.0036U
	STLD5F170398	06/09/05	**0.0028F**	**0.03**	0.00004U	0.00082U	0.0045U	**0.000096F**	0.000044U	**0.0032F**	0.0044U
CS-MW11A-LGR	STLD3F180197	6/17/2003	**0.00067F**	**0.03**	0.000051U	0.0021U	**0.0017F**	0.00019U	**0.000031F**	0.0042U	**0.044**
	STLD4F240332	06/23/04	**0.00055F**	**0.035**	0.000028U	0.0021U	0.00097U	**0.00012F**	0.000025U	**0.0047F**	**0.0053F**
	STLD5F170398	06/16/05	**0.00059F**	**0.03**	0.00004U	0.00082U	0.0045U	0.00009U	0.000044U	**0.0022F**	**0.010F**
CS-MW11B-LGR	STLD3F180197	6/17/2003	**0.00034F**	**0.035**	0.000051U	0.0021U	**0.0018F**	**0.0005F**	**0.000036F**	0.0042U	**0.019**
	STLD5F170398	06/14/05	**0.00048F**	**0.032**	0.00004U	**0.0021F**	0.0045U	**0.00035F**	**0.00006F**	**0.012**	**0.0067F**
CS-MW12-LGR	STL	12/16/2002	**0.00071F**	**0.032**	0.000022U	**0.0013F**	0.00076U	0.00015U	0.000015U	**.0029F**	**0.096**
	STLD3F180197	6/16/2003	**0.00046F**	**0.033**	0.000051U	0.0021U	**0.0022F**	0.00019U	**0.000035F**	**0.0056F**	**0.031**
	STLD4F220238	06/21/04	**0.00049F**	**0.037**	0.000028U	0.0021U	0.00097U	**0.000095F**	0.000025U	0.0042U	**0.023F**
	STLD5F170398	06/14/05	**0.00048F**	**0.034**	0.00004U	0.00082U	0.0045U	**0.00009**	**0.000049F**	**0.0025F**	**0.0082F**
CS-MW12-BS	STL	12/16/2002	**0.0013F**	**0.0069**	**0.000045F**	0.00074U	0.00076U	0.00015U	0.000015U	**0.011**	**0.012**
	STLD3F180197	6/16/2003	**0.003F**	**0.0071**	0.000051U	0.0021U	**0.0013F**	0.00019U	**0.000032F**	**0.011**	**0.018**
	STLD4F220238	06/21/04	**0.0018F**	**0.017**	0.000028U	0.0021U	0.00097U	0.000077U	0.000025U	**0.0069F**	0.0036U
	STLD5F170398	06/14/05	**0.0011F**	**0.012**	0.00004U	0.00082U	0.0045U	**0.00028F**	**0.000049F**	**0.0073F**	**0.0088F**
CS-MW12-CC	STL	12/16/2002	**0.011**	**0.095**	**0.000079F**	**.001F**	0.00076U	**0.00035F**	0.000015U	**0.022**	**0.017**
Duplicate	STL	12/16/2002	**0.011**	**0.097**	**0.000076F**	**.0011F**	0.00076U	**0.00037F**	0.000015U	**0.023**	**0.018**
	STLD3F180197	6/16/2003	**0.0019F**	**0.037**	0.000051U	0.0021U	**0.0018F**	0.00019U	**0.00004F**	0.0042U	**0.02**

Appendix C
Groundwater Metals Analytical Results

Well ID	Laboratory	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Zinc (mg/L)
	STLD4F220238	06/21/04	**0.0031F**	**0.035**	0.000028U	0.0021U	0.00097U	0.000077U	0.000025U	0.0042U	0.0036U
	STLD5F170398	06/16/05	**0.0014F**	**0.069**	0.00004U	**0.002F**	0.0045U	**0.00055F**	0.000044U	**0.0029F**	**0.072**
CS-MW17-LGR	STL	9/12/2002	**0.00057F**	**0.037**	**0.000023F**	**.0043F**	**.0029F**	**0.00096F**	0.000028U	**0.15**	**0.27**
	STLD3F240154	6/23/2003	**0.00081F**	**0.03**	**0.000052F**	**0.0021**	0.00097U	0.00019U	0.000015U	**0.039**	**0.011**
Duplicate	STLD3F240154	6/23/2003	**0.0007F**	**0.031**	**0.000066F**	0.0021U	0.00097U	0.00019U	0.000015U	**0.038**	**0.017**
	STLD4F170404	06/15/04	**0.00041F**	**0.036**	0.000028U	0.0021U	0.00097U	0.000077U	0.000025U	**0.029**	0.0036U
	STLD5F170398	06/07/05	**0.00058F**	**0.036**	0.00004U	**0.001F**	0.0045U	**0.000092F**	0.000044U	**0.007F**	**0.010F**
CS-MW18-LGR	STL	9/12/2002	**0.00062F**	**0.039**	0.000022U	0.00074U	**.0045F**	0.00015U	0.000028U	**0.015**	**0.044**
	STLD3F240154	6/23/2003	**0.00078F**	**0.23**	0.000051U	**0.014**	0.00097U	0.00019U	0.000015U	**0.0066F**	0.0036U
	STLD4F180203	06/17/04	**0.00041F**	**0.045**	0.000028U	0.0021U	0.00097U	0.000077U	0.000025U	**0.014**	0.0036U
	STLD5F170398	06/14/05	**0.00078F**	**0.041**	0.00004U	0.00082U	0.0045U	**0.00018F**	**0.000056F**	**0.01**	**0.0069F**
CS-MW19-LGR	STL	9/12/2002	**0.00051F**	**0.038**	**0.000028F**	0.00074U	**0.0086F**	**0.00019F**	0.000028U	**0.011**	**0.39**
	STLD3F240154	6/23/2003	**0.00065F**	**0.034**	0.000051U	**0.0026F**	0.00097U	0.00019U	0.000015U	**0.085**	**0.035**
	STLD4F170404	06/16/04	**0.00062F**	**0.036**	0.000028U	0.0021U	0.00097U	0.000077U	0.000025U	**0.061**	**0.015F**
	STLD5F170398	06/16/05	**0.00058F**	**0.037**	0.00004U	**0.0021F**	0.0045U	0.00009U	0.000044U	**0.11**	**0.024F**
Duplicate	STLD5F170398	06/16/05	**0.00068F**	**0.039**	0.00004U	**0.002F**	0.0045U	0.0001F	0.000044U	**0.11**	**0.025F**
Comparison		MCL	0.05	2.0	0.005	0.1	1.3	0.015	0.002	0.1	--
Criteria		GW-Ind	0.05	2.0	0.005	0.1	1.3	0.015	0.002	0.1	31
	Chemron	PQL	0.005	0.02	0.005	0.1	1.3	0.015	0.002	2	3.1
	Chemron	MDL	MDLs not prov	NA	NA		NA	NA	NA	NA	NA
	ITS	PQL	0.005	0.020	0.001	0.07	0.06	0.005	0.001	0.15	0.02
	ITS	MDL	0.0009	0.001	0.0002	0.002	0.004	0.0015	0.0001	0.003	0.016
	O'B&G	RL	0.005	0.005	0.001	0.01	0.01	0.005	0.001	0.01	0.05
	O'B&G	MDL	0.00028	0.0003	0.00021	0.0012	0.0009	0.00142	0.00016	0.0014	0.0014
	APPL	RL	0.005	0.005	0.001	0.01	0.01	0.005	0.001	0.01	0.05
	APPL	MDL	0.0008	0.0003	0.0001	0.001	0.003	0.0008	0.0001	0.001	0.008
	STL	RL	0.005	0.005	0.001	0.010	0.010	0.002	0.001	0.010	0.010
	STL	Mdl	0.00006	0.0018	0.00002	0.00074	0.00076	0.00015	0.00003	0.0017	0.0068

Notes:
- *Due to potential improper practices, the ITS data cannot be used to draw any conclusions about groundwater quality at CSSA.*
- January 1996 data represents re-test data.
- Samples were not analyzed for Alkalinity, TDL, pH, and Resistivity prior to 1997.
- F = The analyte was positively identified but the associated numerical value is below the RL.
- J = The analyte was positively identified below quantitation limits; the quantitation is an estimate.
- R = The data are unusable with deficiencies in the ability to analyze the sample and meet QC criteria.
- U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection.
- NA = Not sampled for this parameter.

Shaded areas indicate analytical data analyzed by ITS Laboratories.

Bold	Value > or = MCL
Bold	MCL > Value > or = RL
Bold	RL > Value > MDL

[1] Indicates that data is screening analytical data only.

APPENDIX D

IN-SITU LOW FLOW LOGS

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/07/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	316.5 [ft]
		Pump placement from TOC	315 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MWG-LGR	Final pumping rate	0 [mL/min]
Well diameter	8 [in]	Flowcell volume	132.54 [mL]
Well total depth	339.5 [ft]	Calculated Sample Rate	3977 [sec]
Depth to top of screen	155 [ft]	Sample rate	30 [sec]
Screen length	2208 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:52:29	71.32	7.75	446.67	2.77	3250.56	122.86
	10:52:59	71.41	7.75	441.31	3.65	3288.61	123.84
	10:53:29	71.53	7.74	450.76	4.45	3316.43	124.78
	10:54:00	71.67	7.75	452.95	5.81	3341.86	125.46
	10:54:30	71.77	7.73	444.16	8.48	3402.58	126.45
Variance in last 3 readings		0.11	0.00	9.45	0.81	27.82	0.94
		0.14	0.01	2.19	1.36	25.43	0.68
		0.10	-0.02	-8.79	2.67	60.72	0.98

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/15/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	
Company Name	Parsons	Tubing Type	
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	0 [ft]
		Pump placement from TOC	0 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-1	Final pumping rate	0 [mL/min]
Well diameter	0 [in]	Flowcell volume	117 [mL]
Well total depth	0 [ft]	Calculated Sample Rate	3510 [sec]
Depth to top of screen	0 [ft]	Sample rate	5 [sec]
Screen length	0 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:18:28	73.58	7.72	595.89	2.88	3077.80	24.69
	10:18:35	73.61	7.71	595.96	2.80	3097.13	24.09
	10:18:40	73.68	7.72	596.20	2.46	3030.01	22.68
	10:18:45	73.75	7.72	596.52	2.61	3002.62	21.53
	10:18:51	73.82	7.72	596.67	2.75	2982.48	20.46
Variance in last 3 readings		0.07	0.01	0.24	-0.34	-67.12	-1.41
		0.07	0.00	0.32	0.15	-27.39	-1.15
		0.07	0.00	0.16	0.14	-20.14	-1.07

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/15/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	
Company Name	Parsons	Tubing Type	
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	0 [ft]
		Pump placement from TOC	0 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-10	Final pumping rate	0 [mL/min]
Well diameter	0 [in]	Flowcell volume	117 [mL]
Well total depth	0 [ft]	Calculated Sample Rate	3510 [sec]
Depth to top of screen	0 [ft]	Sample rate	5 [sec]
Screen length	0 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
	9:38:04	73.11	7.55	582.12	3.71	3388.67	87.64
	9:38:11	73.12	7.54	582.20	3.82	3400.44	87.47
Last 5 Readings	9:38:17	73.16	7.54	582.50	3.72	3359.88	87.17
	9:38:21	73.18	7.54	582.72	3.84	3335.42	86.83
	9:38:27	73.21	7.54	583.03	3.81	3315.46	86.53
		0.04	0.00	0.30	-0.10	-40.56	-0.30
Variance in last 3 readings		0.02	0.00	0.23	0.13	-24.46	-0.34
		0.03	0.00	0.30	-0.03	-19.97	-0.30

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/14/05 | **ISI Low-Flow Log**

Project Information:

Operator Name	SE_KC
Company Name	Parsons
Project Name	CSSA Quarterly Groundwater Monitoring
Site Name	Camp Stanley Storage Activity

Pump Information:

Pump Model/Type	QED Gas Operated Bladder Pump
Tubing Type	Teflon-lined Tubing
Tubing Diameter	0.25 [in]
Tubing Length	0 [ft]
Pump placement from TOC	0 [ft]

Well Information:

Well Id	CS-4
Well diameter	0 [in]
Well total depth	0 [ft]
Depth to top of screen	0 [ft]
Screen length	0 [in]
Depth to Water	0 [ft]

Pumping information:

Final pumping rate	0 [mL/min]
Flowcell volume	117 [mL]
Calculated Sample Rate	3510 [sec]
Sample rate	40 [sec]
Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:58:18	70.33	7.47	527.42	4.17	2937.11	120.97
	9:58:58	70.40	7.48	527.41	12.49	2926.56	121.06
	9:59:39	70.27	7.49	527.96	25.75	2903.89	121.53
	10:00:19	70.36	7.47	527.03	52.59	2857.61	122.43
	10:08:32	70.39	7.50	527.30	310.68	2529.83	122.20
Variance in last 3 readings	9:59:39	-0.13	0.01	0.55	13.27	-22.67	0.47
	10:00:19	0.09	-0.02	-0.93	26.84	-46.28	0.90
	10:08:32	0.03	0.03	0.27	258.09	-327.78	-0.23

Notes:

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/14/05 | **ISI Low-Flow Log**

Project Information:

Operator Name	SE_KC
Company Name	Parsons
Project Name	CSSA Quarterly Groundwater Monitoring
Site Name	Camp Stanley Storage Activity

Pump Information:

Pump Model/Type	QED Gas Operated Bladder Pump
Tubing Type	Teflon-lined Tubing
Tubing Diameter	0.25 [in]
Tubing Length	0 [ft]
Pump placement from TOC	0 [ft]

Well Information:

Well Id	CS-2
Well diameter	0 [in]
Well total depth	0 [ft]
Depth to top of screen	0 [ft]
Screen length	0 [in]
Depth to Water	0 [ft]

Pumping information:

Final pumping rate	0 [mL/min]
Flowcell volume	117 [mL]
Calculated Sample Rate	3510 [sec]
Sample rate	40 [sec]
Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:37:00	69.75	7.31	531.55	3.18	5119.23	113.13
	9:37:41	69.76	7.30	531.74	3.92	5030.46	113.82
	9:38:21	69.84	7.30	530.93	3.97	4914.09	114.72
	9:39:02	69.87	7.30	531.87	4.08	4837.05	114.80
	9:39:42	69.83	7.30	531.43	2.58	4799.47	114.72
Variance in last 3 readings	9:38:21	0.08	-0.01	-0.82	0.05	-116.37	0.90
	9:39:02	0.03	0.00	0.94	0.11	-77.04	0.09
	9:39:42	-0.05	0.01	-0.44	-1.50	-37.57	-0.09

Notes:

In-Situ Inc.

Troll 9000 **Low-Flow System**
06/16/05 **ISI Low-Flow Log**

Project Information:

Operator Name	SE_KC
Company Name	Parsons
Project Name	CSSA Quarterly Groundwater Monitoring
Site Name	Camp Stanley Storage Activity

Pump Information:

Pump Model/Type	
Tubing Type	
Tubing Diameter	0 [in]
Tubing Length	0 [ft]
Pump placement from TOC	0 [ft]

Well Information:

Well Id	CS-11
Well diameter	0 [in]
Well total depth	0 [ft]
Depth to top of screen	0 [ft]
Screen length	0 [in]
Depth to Water	0 [ft]

Pumping information:

Final pumping rate	0 [mL/min]
Flowcell volume	117 [mL]
Calculated Sample Rate	3510 [sec]
Sample rate	5 [sec]
Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	13:31:36	71.36	7.73	640.16	19.42	6782.46	34.43
	13:31:41	71.37	7.72	639.98	19.88	6749.83	35.20
	13:31:45	71.36	7.70	639.80	17.89	6715.44	36.05
	13:31:52	71.33	7.72	639.44	18.89	6692.81	36.91
	13:31:57	71.32	7.70	639.26	18.45	6666.95	37.25
Variance in last 3 readings	13:31:45	-0.01	-0.02	-0.18	-1.98	-34.39	0.86
	13:31:52	-0.02	0.02	-0.36	0.99	-22.63	0.86
	13:31:57	-0.02	-0.02	-0.18	-0.44	-25.87	0.34

Notes:

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/15/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	
Company Name	Parsons	Tubing Type	
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	0 [ft]
		Pump placement from TOC	0 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-9	Final pumping rate	0 [mL/min]
Well diameter	0 [in]	Flowcell volume	117 [mL]
Well total depth	0 [ft]	Calculated Sample Rate	3510 [sec]
Depth to top of screen	0 [ft]	Sample rate	5 [sec]
Screen length	0 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:20:00	72.93	7.43	613.76	6.79	4876.47	45.23
	9:20:01	72.93	7.43	613.76	6.77	4889.24	45.36
	9:20:03	72.93	7.43	613.76	6.80	4891.16	45.49
	9:20:06	72.93	7.43	613.76	6.91	4896.65	45.57
	9:20:07	72.93	7.43	613.76	6.90	4898.39	45.66
Variance in last 3 readings		0.00	0.00	0.00	0.04	1.92	0.13
		0.00	0.00	0.00	0.11	5.49	0.09
		0.01	0.00	0.00	-0.01	1.75	0.09

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/08/05 | **ISI Low-Flow Log**

Project Information:

Operator Name	SE_KC
Company Name	Parsons
Project Name	CSSA Quarterly Groundwater Monitoring
Site Name	Camp Stanley Storage Activity

Pump Information:

Pump Model/Type	QED Gas Operated Bladder Pump
Tubing Type	Teflon-lined Tubing
Tubing Diameter	0.25 [in]
Tubing Length	0 [ft]
Pump placement from TOC	0 [ft]

Well Information:

Well Id	CS-D
Well diameter	0 [in]
Well total depth	0 [ft]
Depth to top of screen	0 [ft]
Screen length	0 [in]
Depth to Water	0 [ft]

Pumping information:

Final pumping rate	0 [mL/min]
Flowcell volume	117 [mL]
Calculated Sample Rate	3510 [sec]
Sample rate	40 [sec]
Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:47:09	70.89	7.91	550.02	19.35	2991.23	106.70
	10:47:50	70.95	7.92	560.60	22.80	2875.88	104.77
	10:48:30	70.77	7.91	561.37	9.68	2807.36	104.35
	10:56:57	70.98	7.85	559.04	5.17	2665.72	104.74
	10:57:38	70.89	7.84	558.83	5.81	2669.22	105.04
Variance in last 3 readings	10:48:30	-0.18	-0.01	0.77	-13.12	-68.52	-0.43
	10:56:57	0.21	-0.06	-2.33	-4.51	-141.64	0.39
	10:57:38	-0.09	-0.01	-0.21	0.64	3.51	0.30

Notes:

In-Situ Inc.

Troll 9000 **Low-Flow System**
06/16/05 **ISI Low-Flow Log**

Project Information:

Operator Name	SE_KC
Company Name	Parsons
Project Name	CSSA Quarterly Groundwater Monitoring
Site Name	Camp Stanley Storage Activity

Pump Information:

Pump Model/Type	QED Gas Operated Bladder Pump
Tubing Type	Teflon-lined Tubing
Tubing Diameter	0.25 [in]
Tubing Length	430 [ft]
Pump placement from TOC	342 [ft]

Well Information:

Well Id	CS-MW11A-LGR
Well diameter	4 [in]
Well total depth	445.5 [ft]
Depth to top of screen	420.3 [ft]
Screen length	300 [in]
Depth to Water	0 [ft]

Pumping information:

Final pumping rate	0 [mL/min]
Flowcell volume	138.11 [mL]
Calculated Sample Rate	4144 [sec]
Sample rate	40 [sec]
Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	11:40:15	71.42	7.49	538.84	0.83	1130.38	-69.38
	11:40:55	71.34	7.51	540.27	1.08	1135.42	-69.13
	11:41:36	71.35	7.50	540.27	0.95	1142.77	-68.53
	11:42:16	71.57	7.45	539.05	0.77	1133.86	-64.55
	11:42:57	71.36	7.48	539.95	0.92	1152.75	-65.62
Variance in last 3 readings	11:41:36	0.01	-0.01	0.00	-0.13	7.35	0.60
	11:42:16	0.22	-0.06	-1.23	-0.18	-8.91	3.98
	11:42:57	-0.20	0.03	0.91	0.15	18.89	-1.07

Notes:

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/09/05 | **ISI Low-Flow Log**

Project Information:

Operator Name	SE_KC
Company Name	Parsons
Project Name	CSSA Quarterly Groundwater Monitoring
Site Name	Camp Stanley Storage Activity

Pump Information:

Pump Model/Type	QED Gas Operated Bladder Pump
Tubing Type	Teflon-lined Tubing
Tubing Diameter	0.25 [in]
Tubing Length	377 [ft]
Pump placement from TOC	294 [ft]

Well Information:

Well Id	CS-MW10-LGR
Well diameter	4 [in]
Well total depth	405 [ft]
Depth to top of screen	370 [ft]
Screen length	300 [in]
Depth to Water	0 [ft]

Pumping information:

Final pumping rate	0 [mL/min]
Flowcell volume	135.51 [mL]
Calculated Sample Rate	4066 [sec]
Sample rate	30 [sec]
Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	14:03:15	71.54	7.15	686.55	-0.01	6167.81	56.75
	14:03:44	72.04	7.13	679.70	-0.05	6012.72	58.63
	14:04:14	71.49	7.15	688.65	-0.06	6043.80	60.09
	14:04:44	71.66	7.15	685.92	-0.07	5999.54	61.63
	14:05:15	72.17	7.13	680.52	0.31	5839.55	63.08
Variance in last 3 readings	14:04:14	-0.55	0.02	8.95	-0.01	31.08	1.45
	14:04:44	0.17	0.00	-2.73	-0.02	-44.26	1.54
	14:05:15	0.51	-0.02	-5.40	0.39	-159.99	1.45

Notes:

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/09/05 | **ISI Low-Flow Log**

Project Information:

Operator Name	SE_KC
Company Name	Parsons
Project Name	CSSA Quarterly Groundwater Monitoring
Site Name	Camp Stanley Storage Activity

Pump Information:

Pump Model/Type	QED Gas Operated Bladder Pump
Tubing Type	Teflon-lined Tubing
Tubing Diameter	0.25 [in]
Tubing Length	476 [ft]
Pump placement from TOC	293 [ft]

Well Information:

Well Id	CS-MW10-CC
Well diameter	4 [in]
Well total depth	541 [ft]
Depth to top of screen	470 [ft]
Screen length	300 [in]
Depth to Water	0 [ft]

Pumping information:

Final pumping rate	0 [mL/min]
Flowcell volume	140.37 [mL]
Calculated Sample Rate	4212 [sec]
Sample rate	30 [sec]
Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	14:24:28	71.44	7.66	816.03	0.31	6512.74	-170.59
	14:24:58	71.62	7.64	811.91	0.02	6409.82	-169.09
	14:25:28	71.82	7.61	807.53	0.01	6280.97	-167.21
	14:25:59	71.62	7.64	819.60	0.01	6257.74	-167.46
	14:26:29	71.82	7.63	812.93	0.02	6155.65	-166.31
Variance in last 3 readings	14:25:28	0.20	-0.03	-4.37	-0.02	-128.85	1.88
	14:25:59	-0.20	0.03	12.07	0.00	-23.23	-0.26
	14:26:29	0.20	-0.01	-6.67	0.02	-102.09	1.16

Notes:

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/14/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	195 [ft]
		Pump placement from TOC	193.5 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW11B-LGR	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	126.57 [mL]
Well total depth	260 [ft]	Calculated Sample Rate	3798 [sec]
Depth to top of screen	182 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	14:26:16	71.29	7.32	609.18	9.73	7293.89	120.96
	14:26:57	71.07	7.32	609.51	10.99	7436.35	121.69
	14:27:37	71.02	7.33	609.10	14.57	7453.79	121.09
	14:28:18	71.32	7.32	609.35	16.51	7408.37	121.30
	14:28:58	71.26	7.33	610.01	9.73	7384.82	121.47
Variance in last 3 readings		-0.05	0.01	-0.41	3.58	17.44	-0.60
		0.30	-0.01	0.25	1.94	-45.42	0.21
		-0.06	0.01	0.66	-6.78	-23.55	0.17

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/14/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	382 [ft]
		Pump placement from TOC	302 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW12-BS	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	135.75 [mL]
Well total depth	408 [ft]	Calculated Sample Rate	4073 [sec]
Depth to top of screen	382 [ft]	Sample rate	30 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
	11:00:16	72.22	9.98	356.63	0.11	7048.81	-151.49
	11:00:46	72.04	9.96	355.93	0.10	7036.85	-149.91
Last 5 Readings	11:01:16	72.10	9.98	355.62	0.13	6985.72	-151.92
	11:01:47	72.20	9.98	356.18	0.08	6893.24	-151.71
	11:02:17	71.99	9.96	355.09	0.15	6883.23	-150.46
		0.06	0.03	-0.31	0.03	-51.13	-2.01
Variance in last 3 readings		0.10	-0.01	0.56	-0.05	-92.48	0.21
		-0.21	-0.02	-1.10	0.06	-10.01	1.24

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/08/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	291.5 [ft]
		Pump placement from TOC	290 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW16-LGR	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	131.31 [mL]
Well total depth	314.4 [ft]	Calculated Sample Rate	3940 [sec]
Depth to top of screen	199 [ft]	Sample rate	45 [sec]
Screen length	1332 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:28:07	70.67	7.82	571.33	10.20	3395.04	92.66
	10:28:53	70.70	7.81	574.04	18.91	3261.90	93.90
	10:29:38	70.90	7.85	574.33	21.03	3253.52	92.49
	10:30:24	70.73	7.85	576.32	21.82	3204.35	93.99
	10:31:09	70.59	7.85	569.37	13.62	3664.78	95.44
Variance in last 3 readings		0.20	0.04	0.29	2.12	-8.38	-1.41
		-0.16	0.00	1.99	0.79	-49.18	1.50
		-0.15	0.00	-6.95	-8.20	460.44	1.45

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/14/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	343 [ft]
		Pump placement from TOC	302 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW12-LGR	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	133.84 [mL]
Well total depth	358.5 [ft]	Calculated Sample Rate	4016 [sec]
Depth to top of screen	333 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:38:25	71.91	7.59	547.62	42.85	5206.61	-50.76
	10:39:07	71.82	7.59	548.35	47.50	5126.00	-48.19
	10:39:46	71.94	7.57	547.68	50.88	5014.56	-45.16
	10:40:28	72.05	7.59	549.21	61.94	4894.62	-43.79
	10:41:07	71.95	7.60	548.01	59.52	4827.60	-42.12
Variance in last 3 readings		0.12	-0.02	-0.67	3.38	-111.44	3.04
		0.11	0.01	1.53	11.06	-119.94	1.37
		-0.10	0.01	-1.21	-2.43	-67.02	1.67

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/16/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	450 [ft]
		Pump placement from TOC	302 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW12-CC	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	139.09 [mL]
Well total depth	465.5 [ft]	Calculated Sample Rate	4173 [sec]
Depth to top of screen	440 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:34:13	73.25	8.65	771.30	56.96	7972.99	-95.31
	10:34:54	72.96	8.50	772.88	58.44	8008.17	-101.30
	10:35:35	72.80	8.38	772.34	64.00	7879.15	-103.35
	10:36:15	73.02	8.28	770.48	62.43	7620.42	-102.07
	10:36:56	73.11	8.26	770.47	49.93	7556.42	-104.59
Variance in last 3 readings		-0.16	-0.12	-0.54	5.56	-129.02	-2.05
		0.22	-0.10	-1.86	-1.57	-258.73	1.28
		0.09	-0.02	-0.01	-12.50	-64.00	-2.52

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/07/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	378 [ft]
		Pump placement from TOC	307 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW17-LGR	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	135.56 [mL]
Well total depth	392.5 [ft]	Calculated Sample Rate	4067 [sec]
Depth to top of screen	367 [ft]	Sample rate	30 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
	9:43:24	70.62	7.44	631.88	1.33	731.54	107.42
	9:43:54	70.77	7.45	634.64	1.44	715.25	106.74
Last 5 Readings	9:44:25	70.87	7.44	621.19	1.35	700.02	106.87
	9:44:55	70.70	7.45	633.20	1.41	681.37	105.59
	9:45:26	70.75	7.45	629.11	1.18	683.41	105.08
		0.10	-0.02	-13.45	-0.09	-15.23	0.13
Variance in last 3 readings		-0.17	0.01	12.01	0.06	-18.65	-1.28
		0.05	0.00	-4.09	-0.23	2.04	-0.51

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/14/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	395.5 [ft]
		Pump placement from TOC	325 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW18-LGR	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	136.41 [mL]
Well total depth	411 [ft]	Calculated Sample Rate	4093 [sec]
Depth to top of screen	385 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	13:59:13	72.91	7.62	546.59	6.32	6858.57	-23.82
	13:59:53	73.16	7.61	548.25	7.50	6720.19	-22.36
	14:00:34	73.35	7.63	551.61	8.30	6635.71	-22.92
	14:01:14	73.01	7.64	553.17	8.28	6542.10	-23.35
	14:01:55	73.12	7.61	553.58	9.13	6309.39	-21.85
Variance in last 3 readings		0.19	0.01	3.36	0.80	-84.48	-0.56
		-0.34	0.01	1.56	-0.02	-93.61	-0.43
		0.10	-0.03	0.41	0.86	-232.71	1.50

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/13/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	405 [ft]
		Pump placement from TOC	302 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW1-CC	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	136.88 [mL]
Well total depth	420 [ft]	Calculated Sample Rate	4107 [sec]
Depth to top of screen	394.7 [ft]	Sample rate	30 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:02:35	70.51	7.39	704.98	1.03	1293.38	-114.70
	10:03:05	70.61	7.37	705.20	0.57	1306.22	-112.13
	10:03:37	70.47	7.39	705.20	0.93	1308.28	-111.45
	10:04:08	70.52	7.39	705.31	0.33	1287.96	-110.68
	10:04:38	70.50	7.37	705.42	0.36	1267.11	-108.97
Variance in last 3 readings		-0.14	0.01	0.00	0.36	2.06	0.68
		0.05	0.00	0.11	-0.61	-20.31	0.77
		-0.02	-0.01	0.11	0.03	-20.85	1.71

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/13/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	351 [ft]
		Pump placement from TOC	302 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW1-BS	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	134.23 [mL]
Well total depth	366 [ft]	Calculated Sample Rate	4027 [sec]
Depth to top of screen	340.5 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:38:12	70.08	8.46	404.52	0.13	567.88	-132.12
	9:38:53	70.14	8.45	404.34	0.11	564.36	-132.16
	9:39:34	70.27	8.45	405.14	0.22	546.38	-132.42
	9:40:13	70.12	8.46	404.81	0.07	553.89	-133.57
	9:40:55	70.10	8.47	404.59	0.18	559.46	-133.96
Variance in last 3 readings		0.13	0.00	0.80	0.11	-17.99	-0.26
		-0.15	0.02	-0.33	-0.15	7.52	-1.15
		-0.01	0.00	-0.22	0.11	5.57	-0.38

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/16/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	350.5 [ft]
		Pump placement from TOC	305 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW19-LGR	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	134.21 [mL]
Well total depth	365 [ft]	Calculated Sample Rate	4027 [sec]
Depth to top of screen	340 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:59:27	71.21	7.79	596.51	160.12	3274.28	44.36
	11:00:08	71.56	7.82	599.36	186.76	3347.73	47.62
	11:00:48	71.49	7.81	601.11	470.85	3457.69	51.77
	11:01:29	71.28	7.74	603.45	829.61	3581.70	59.25
	11:02:09	71.25	7.78	608.25	492.04	3605.35	59.81
Variance in last 3 readings		-0.06	-0.01	1.76	284.09	109.96	4.15
		-0.22	-0.07	2.33	358.77	124.01	7.49
		-0.03	0.04	4.80	-337.58	23.65	0.56

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/13/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	301.5 [ft]
		Pump placement from TOC	300 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW1-LGR	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	131.8 [mL]
Well total depth	313.5 [ft]	Calculated Sample Rate	3955 [sec]
Depth to top of screen	288 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:24:58	70.21	7.21	513.83	56.24	2748.18	65.17
	10:25:39	70.25	7.22	515.60	101.49	2667.46	65.77
	10:26:19	70.22	7.22	516.54	42.02	2658.67	66.84
	10:27:00	70.19	7.21	517.55	26.09	2644.63	68.59
	10:27:40	70.17	7.21	518.27	34.94	2629.53	69.57
Variance in last 3 readings		-0.03	0.01	0.95	-59.47	-8.79	1.07
		-0.03	-0.01	1.01	-15.93	-14.04	1.75
		-0.02	0.00	0.71	8.85	-15.10	0.98

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/08/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	436 [ft]
		Pump placement from TOC	302 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW2-CC	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	138.4 [mL]
Well total depth	451 [ft]	Calculated Sample Rate	4152 [sec]
Depth to top of screen	425.7 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	14:15:35	71.25	8.70	730.39	2.95	7140.50	-151.36
	14:16:15	71.20	8.59	731.59	2.14	7173.88	-147.72
	14:16:56	71.16	8.57	728.03	2.47	7051.59	-148.75
	14:18:41	71.12	8.64	720.32	2.07	6822.96	-153.58
	14:19:22	71.15	8.58	728.04	2.36	6734.78	-152.69
Variance in last 3 readings		-0.04	-0.02	-3.56	0.34	-122.29	-1.03
		-0.04	0.07	-7.71	-0.40	-228.63	-4.83
		0.03	-0.07	7.72	0.29	-88.17	0.90

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/08/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	313 [ft]
		Pump placement from TOC	203 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW4-LGR	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	132.36 [mL]
Well total depth	336.5 [ft]	Calculated Sample Rate	3971 [sec]
Depth to top of screen	299 [ft]	Sample rate	30 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:19:10	70.54	7.65	642.08	2.86	804.69	-194.60
	9:19:40	70.51	7.63	628.84	2.53	706.85	-195.71
	9:20:11	70.47	7.64	647.73	2.21	625.37	-198.36
	9:20:43	70.53	7.64	639.78	1.93	534.11	-200.55
	9:21:13	70.46	7.63	630.07	1.92	466.48	-201.40
Variance in last 3 readings		-0.04	0.01	18.88	-0.32	-81.47	-2.65
		0.06	0.00	-7.95	-0.27	-91.26	-2.18
		-0.07	-0.01	-9.71	-0.01	-67.63	-0.85

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/07/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_ET	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	415 [ft]
		Pump placement from TOC	374 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW3-LGR	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	137.37 [mL]
Well total depth	438.5 [ft]	Calculated Sample Rate	4122 [sec]
Depth to top of screen	402 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:22:52	71.38	7.67	509.24	0.04	1978.96	-108.44
	10:23:33	71.46	7.66	501.67	0.07	1966.84	-104.59
	10:24:13	71.55	7.67	512.92	0.38	1937.99	-100.74
	10:24:54	71.58	7.66	514.33	0.10	1928.72	-95.91
	10:26:44	71.61	7.66	515.51	0.11	1881.97	-81.37
Variance in last 3 readings		0.10	0.01	11.25	0.31	-28.85	3.85
		0.03	0.00	1.41	-0.28	-9.27	4.83
		0.03	0.00	1.18	0.00	-46.75	14.54

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/08/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	331.5 [ft]
		Pump placement from TOC	330 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW2-LGR	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	133.27 [mL]
Well total depth	344 [ft]	Calculated Sample Rate	3999 [sec]
Depth to top of screen	318 [ft]	Sample rate	45 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	13:40:14	70.89	8.79	496.93	17.52	1706.88	-169.48
	13:41:00	71.12	8.78	497.54	27.55	1556.93	-169.26
	13:41:44	71.08	8.79	496.55	32.67	1458.36	-169.35
	13:42:30	71.08	8.81	495.56	38.53	1364.05	-169.09
	13:43:15	71.14	8.84	492.94	38.76	1286.52	-169.47
Variance in last 3 readings		-0.03	0.01	-0.99	5.12	-98.57	-0.09
		-0.01	0.02	-0.99	5.86	-94.31	0.26
		0.06	0.04	-2.62	0.23	-77.53	-0.38

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/08/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	433 [ft]
		Pump placement from TOC	404 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW5-LGR	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	138.25 [mL]
Well total depth	462 [ft]	Calculated Sample Rate	4148 [sec]
Depth to top of screen	420 [ft]	Sample rate	45 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:01:41	71.68	7.59	531.16	1.55	1258.03	-11.93
	10:02:27	71.72	7.60	525.43	1.62	1222.09	-12.27
	10:03:12	71.71	7.60	524.01	2.03	1195.95	-11.67
	10:03:57	71.79	7.62	524.93	2.36	1159.29	-12.78
	10:04:44	71.70	7.60	521.33	2.87	1130.07	-11.50
Variance in last 3 readings		-0.01	-0.01	-1.41	0.41	-26.14	0.60
		0.08	0.03	0.92	0.33	-36.66	-1.11
		-0.09	-0.02	-3.60	0.51	-29.23	1.29

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/09/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	410 [ft]
		Pump placement from TOC	311 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW6-BS	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	137.13 [mL]
Well total depth	429 [ft]	Calculated Sample Rate	4114 [sec]
Depth to top of screen	397 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:51:12	71.66	7.93	725.60	0.50	5646.96	-187.03
	9:51:54	71.67	7.91	726.42	0.43	5512.09	-186.26
	9:52:34	71.74	7.88	716.58	0.70	5366.72	-185.02
	9:53:15	71.74	7.88	716.36	0.43	5264.64	-184.98
	9:53:55	71.70	7.89	726.08	0.39	5168.73	-185.24
Variance in last 3 readings		0.07	-0.02	-9.83	0.27	-145.37	1.24
		0.00	0.00	-0.22	-0.27	-102.09	0.04
		-0.05	0.01	9.72	-0.04	-95.91	-0.26

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/13/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	443 [ft]
		Pump placement from TOC	290 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW7-CC	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	138.75 [mL]
Well total depth	503 [ft]	Calculated Sample Rate	4163 [sec]
Depth to top of screen	430 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	13:58:38	70.81	7.58	795.82	2.09	586.33	-139.96
	13:59:18	70.73	7.59	794.41	3.27	585.02	-140.86
	13:59:59	70.56	7.59	792.17	4.34	582.37	-141.54
	14:00:39	70.49	7.59	792.72	5.86	570.02	-141.97
	14:01:19	70.97	7.58	794.11	7.08	560.68	-142.82
Variance in last 3 readings		-0.17	0.00	-2.24	1.06	-2.65	-0.68
		-0.06	0.00	0.55	1.52	-12.34	-0.43
		0.47	-0.01	1.39	1.23	-9.34	-0.85

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/09/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	353 [ft]
		Pump placement from TOC	311 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW6-LGR	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	134.33 [mL]
Well total depth	382 [ft]	Calculated Sample Rate	4030 [sec]
Depth to top of screen	340 [ft]	Sample rate	45 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:24:12	72.05	7.31	580.50	0.00	1737.44	163.08
	9:24:57	72.14	7.31	576.48	0.00	1728.51	162.82
	9:25:43	72.18	7.31	573.75	0.00	1727.14	161.93
	9:26:28	72.04	7.32	573.16	0.04	1730.74	161.12
	9:28:45	72.01	7.32	570.39	0.20	1680.21	159.24
Variance in last 3 readings		0.03	0.01	-2.73	-0.01	-1.37	-0.90
		-0.14	0.01	-0.59	0.04	3.60	-0.81
		-0.03	0.01	-2.77	0.16	-50.53	-1.88

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/09/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	464 [ft]
		Pump placement from TOC	311 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW6-CC	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	139.78 [mL]
Well total depth	522 [ft]	Calculated Sample Rate	4194 [sec]
Depth to top of screen	451 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:19:44	72.02	7.40	786.18	-0.07	3641.61	-131.88
	10:20:26	71.98	7.41	788.52	0.24	3522.86	-132.74
	10:21:05	71.96	7.42	797.89	-0.04	3412.95	-133.59
	10:21:47	71.94	7.41	798.45	-0.08	3300.46	-133.85
	10:22:27	71.90	7.41	798.31	-0.06	3165.97	-133.76
Variance in last 3 readings		-0.02	0.01	9.37	-0.28	-109.91	-0.85
		-0.02	0.00	0.56	-0.03	-112.49	-0.26
		-0.04	-0.01	-0.14	0.02	-134.49	0.09

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/13/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	335 [ft]
		Pump placement from TOC	290 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW7-LGR	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	133.44 [mL]
Well total depth	352.5 [ft]	Calculated Sample Rate	4004 [sec]
Depth to top of screen	322 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	13:37:20	70.16	7.27	634.08	-0.14	820.67	107.07
	13:38:01	70.59	7.26	635.42	0.19	795.82	106.86
	13:38:41	70.26	7.27	636.50	-0.09	799.92	106.13
	13:39:23	70.26	7.27	634.70	-0.09	797.36	106.14
	13:40:02	70.22	7.27	634.26	0.18	781.98	106.52
Variance in last 3 readings		-0.33	0.01	1.08	-0.28	4.10	-0.73
		0.00	0.00	-1.79	0.00	-2.56	0.00
		-0.04	0.00	-0.45	0.27	-15.38	0.39

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/09/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	453 [ft]
		Pump placement from TOC	299 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW8-CC	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	139.24 [mL]
Well total depth	503 [ft]	Calculated Sample Rate	4178 [sec]
Depth to top of screen	439.5 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	13:36:49	72.09	7.63	816.40	1.78	666.97	-171.07
	13:37:30	71.74	7.65	816.40	1.45	641.57	-172.87
	13:38:10	71.66	7.64	822.97	1.20	614.06	-173.98
	13:38:51	71.60	7.63	824.33	0.67	604.54	-174.75
	13:43:08	71.70	7.63	822.54	0.58	539.87	-180.27
Variance in last 3 readings		-0.08	0.00	6.57	-0.25	-27.51	-1.11
		-0.06	-0.02	1.36	-0.52	-9.52	-0.77
		0.10	0.00	-1.79	-0.09	-64.67	-5.52

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/10/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	438 [ft]
		Pump placement from TOC	303 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW9-CC	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	138.5 [mL]
Well total depth	480 [ft]	Calculated Sample Rate	4155 [sec]
Depth to top of screen	425 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
	10:34:18	70.31	7.49	678.45	0.05	5760.00	-151.66
	10:34:58	70.84	7.49	680.19	2.37	5471.75	-153.41
Last 5 Readings	10:35:40	70.36	7.51	686.31	0.02	5368.19	-155.89
	10:36:19	70.29	7.50	685.16	0.08	5196.25	-157.31
	10:37:01	70.26	7.50	682.98	0.09	4993.91	-158.33
		-0.48	0.02	6.12	-2.35	-103.56	-2.48
Variance in last 3 readings		-0.07	-0.01	-1.15	0.07	-171.94	-1.41
		-0.03	-0.01	-2.18	0.01	-202.33	-1.03

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/10/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	365 [ft]
		Pump placement from TOC	303 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW9-BS	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	134.92 [mL]
Well total depth	378 [ft]	Calculated Sample Rate	4048 [sec]
Depth to top of screen	352 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:16:44	70.24	7.69	577.24	76.89	7150.29	-150.06
	10:17:24	70.14	7.68	573.63	72.47	7053.21	-145.36
	10:18:05	70.59	7.68	572.31	63.52	6846.75	-141.59
	10:18:45	70.48	7.70	573.84	55.45	6759.55	-138.17
	10:19:26	70.45	7.71	577.00	45.43	6673.79	-134.32
Variance in last 3 readings		0.45	0.00	-1.32	-8.95	-206.46	3.76
		-0.10	0.02	1.53	-8.06	-87.20	3.42
		-0.03	0.01	3.16	-10.02	-85.75	3.85

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/09/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	345 [ft]
		Pump placement from TOC	299 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW8-LGR	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	133.94 [mL]
Well total depth	373 [ft]	Calculated Sample Rate	4019 [sec]
Depth to top of screen	332 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	11:08:18	71.21	7.15	655.23	0.21	820.67	55.60
	11:08:58	71.18	7.14	662.76	-0.06	824.09	55.64
	11:09:39	71.16	7.14	664.32	0.22	805.93	55.60
	11:10:19	71.32	7.12	654.26	-0.03	821.29	56.12
	11:11:00	71.36	7.12	655.59	-0.09	815.40	55.99
Variance in last 3 readings		-0.01	0.00	1.56	0.28	-18.16	-0.04
		0.16	-0.02	-10.06	-0.25	15.36	0.51
		0.04	0.00	1.33	-0.06	-5.89	-0.13

NA - Information is not available.

In-Situ Inc.

Troll 9000 | **Low-Flow System**
06/10/05 | **ISI Low-Flow Log**

Project Information:		**Pump Information:**	
Operator Name	SE_KC	Pump Model/Type	QED Gas Operated Bladder Pump
Company Name	Parsons	Tubing Type	Teflon-lined Tubing
Project Name	CSSA Quarterly Groundwater Monitoring	Tubing Diameter	0.25 [in]
Site Name	Camp Stanley Storage Activity	Tubing Length	309 [ft]
		Pump placement from TOC	283 [ft]

Well Information:		**Pumping information:**	
Well Id	CS-MW9-LGR	Final pumping rate	0 [mL/min]
Well diameter	4 [in]	Flowcell volume	132.17 [mL]
Well total depth	323 [ft]	Calculated Sample Rate	3966 [sec]
Depth to top of screen	296 [ft]	Sample rate	40 [sec]
Screen length	300 [in]	Stabilized drawdown	0 [in]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:56:21	69.96	7.14	520.11	1.90	7107.15	92.23
	9:57:01	70.14	7.13	523.81	2.76	6993.97	92.78
	9:57:42	69.92	7.16	528.05	1.43	6972.22	91.67
	9:58:22	69.94	7.15	527.37	0.96	6884.22	92.06
	9:59:04	69.91	7.14	526.14	4.43	6772.05	92.48
Variance in last 3 readings		-0.22	0.03	4.24	-1.34	-21.76	-1.11
		0.02	-0.01	-0.68	-0.46	-88.00	0.38
		-0.03	-0.01	-1.23	3.47	-112.17	0.43

NA - Information is not available.