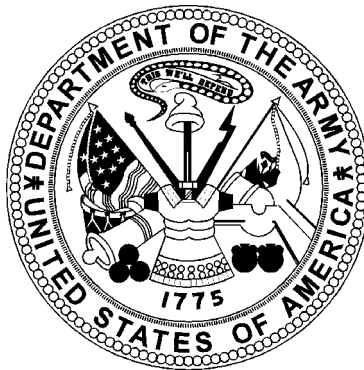


FINAL

September 2005

**On-Post
Quarterly Groundwater Monitoring Report**



Prepared For

**Department of the Army
Camp Stanley Storage Activity
Boerne, Texas**

April 2006

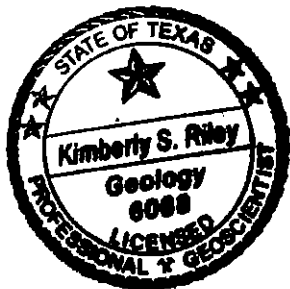
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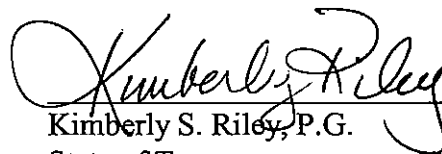
September 2005 On-post Quarterly Groundwater Monitoring Report

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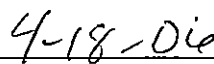
**Department of the Army
Camp Stanley Storage Activity
Boerne, Texas**

I, Kimberly S. Riley, P.G., hereby certify that the September 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 September 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



Date

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SEPTEMBER 2005 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 September 6, 2005 through September 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 water level measurements were recorded on September 6 and 8, 2005. Water level measurements were collected from CSSA wells 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 September 6, 2005. Measurements were also collected from off-post wells LS-7 and RFR-10 on September 6 and 8, 2005.

Depth to groundwater subtracted from top of casing elevations and the water level elevations are summarized in **Table 1-1**. **Table 1-2** summarizes the changes in groundwater elevations compared to the June 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 September 2005, the average groundwater elevation did not follow the typical pattern. The average groundwater elevations in September 2005 for the LGR, BS, and CC were 1054.88 feet, 1077.87 feet, and 1033.65 feet above mean sea level (MSL), respectively. This was a decrease of 64.31 feet in the LGR, a decrease of 47.40 feet in the BS, and a decrease of 48.75 feet in the CC from the average levels measured in June 2005.

Table 1-1
Summary of Groundwater Elevations
September 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			9/6/2005
CS-2	1237.59	195.90	1041.69	?	?		9/6/2005
CS-3	1240.17	194.63	1045.54	X			9/6/2005
CS-4	1229.28	181.14	1048.14	?	?		9/6/2005
CS-9	1325.31	284.35	1040.96	ALL			9/8/2005
CS-10	1331.51	292.23	1039.28	ALL			9/8/2005
CS-11	1332.49	289.90	1042.59	ALL			9/8/2005
CS-MW16-LGR	1244.60	185.78	1058.82	X			9/6/2005
CS-MW16-CC	1244.51	210.06	1034.45			X	9/6/2005
CS-D	1236.03	184.25	1051.78	X			9/6/2005
CS-MWG-LGR	1328.14	183.10	1145.04	X			9/6/2005
CS-MWH-LGR	1319.19	274.00	1045.19	X			9/6/2005
CS-I	1315.20	261.35	1053.85	X			9/6/2005
CS-MW1-LGR	1220.73	160.03	1060.70	X			9/6/2005
CS-MW1-BS	1221.09	137.56	1083.53		X		9/6/2005
CS-MW1-CC	1221.39	187.61	1033.78			X	9/6/2005
CS-MW2-LGR	1237.08	165.11	1071.97	X			9/6/2005
CS-MW2-CC	1240.11	197.18	1042.93				9/6/2005
CS-MW3-LGR	1334.14	270.27	1063.87	X			9/6/2005
CS-MW4-LGR	1209.71	108.18	1101.53	X			9/6/2005
CS-MW5-LGR	1340.24	268.82	1071.42	X			9/6/2005
CS-MW6-LGR	1232.25	187.93	1044.32	X			9/6/2005
CS-MW6-BS	1232.67	121.42	1111.25		X		9/6/2005
CS-MW6-CC	1233.21	192.22	1040.99			X	9/6/2005
CS-MW7-LGR	1202.27	164.90	1037.37	X			9/6/2005
CS-MW7-CC	1201.84	163.58	1038.26			X	9/6/2005
CS-MW8-LGR	1208.35	168.43	1039.92	X			9/6/2005
CS-MW8-CC	1206.13	167.33	1038.80			X	9/6/2005
CS-MW9-LGR	1257.27	211.24	1046.03	X			9/6/2005
CS-MW9-BS	1256.73	197.93	1058.80		X		9/6/2005
CS-MW9-CC	1255.95	231.72	1024.23			X	9/6/2005
CS-MW10-LGR	1189.53	169.30	1020.23	X			9/6/2005
CS-MW10-CC	1190.04	159.83	1030.21			X	9/6/2005
CS-MW11A-LGR	1204.03	179.11	1024.92	X			9/6/2005
CS-MW11B-LGR	1203.52	186.74	1016.78	X			9/6/2005
CS-MW12-LGR	1259.07	211.64	1047.43	X			9/6/2005
CS-MW12-BS	1258.37	200.48	1057.89		X		9/6/2005
CS-MW12-CC	1257.31	228.82	1028.49			X	9/6/2005
CS-MW17-LGR	1257.01	204.65	1052.36	X			9/6/2005
CS-MW18-LGR	1283.61	237.63	1045.98	X			9/6/2005
CS-MW19-LGR	1255.53	193.28	1062.25	X			9/6/2005
LS-7	1181.73	292.23	889.50	ALL			9/8/2005
RFR-10	1228.16	185.07	1043.09	ALL			9/6/2005
FO-20	NA			ALL			9/6/2005
Number of wells screened in each formation.				22	4	8	
Average groundwater elevation in each formation given in feet				1054.88	1077.87	1033.65	
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 well.							
NA = Data not available, TOC = Top of casing, BTOC = Below top of casing							
?=Exact screening information unknown for this well.							
All measurements given in feet.							

Table 1-2
Comparison of Groundwater Elevations from June 2005 to September 2005

Well ID	June 2005 Elevations	September 2005 Elevations	GW elevation change (September minus June)	Formations Screened		
				LGR	BS	CC
CS-1	1063.23	NA	NA	ALL		
CS-2	1108.60	1041.69	-66.91	?	?	
CS-3	1112.49	1045.54	-66.95	X		
CS-4	1113.55	1048.14	-65.41	?	?	
CS-9	1022.36	1040.96	18.60	ALL		
CS-10	1055.36	1039.28	-16.08	ALL		
CS-11	1115.50	1042.59	-72.91	ALL		
CS-MW16-LGR	1121.77	1058.82	-62.95	X		
CS-MW16-CC	992.36	1034.45	42.09			X
CS-D	1115.73	1051.78	-63.95	X		
CS-MWG-LGR	1157.30	1145.04	-12.26	X		
CS-MWH-LGR	1129.33	1045.19	-84.14	X		
CS-I	1108.72	1053.85	-54.87	X		
CS-MW1-LGR	1120.89	1060.70	-60.19	X		
CS-MW1-BS	1135.98	1083.53	-52.45		X	
CS-MW1-CC	1070.94	1033.78	-37.16			X
CS-MW2-LGR	1132.83	1071.97	-60.86	X		
CS-MW2-CC	1072.00	1042.93	-29.07			
CS-MW3-LGR	1125.49	1063.87	-61.62	X		
CS-MW4-LGR	1157.14	1101.53	-55.61	X		
CS-MW5-LGR	1135.32	1071.42	-63.90	X		
CS-MW6-LGR	1115.30	1044.32	-70.98	X		
CS-MW6-BS	1128.67	1111.25	-17.42		X	
CS-MW6-CC	1107.89	1040.99	-66.90			X
CS-MW7-LGR	1109.15	1037.37	-71.78	X		
CS-MW7-CC	1107.10	1038.26	-68.84			X
CS-MW8-LGR	1112.38	1039.92	-72.46	X		
CS-MW8-CC	1107.63	1038.80	-68.83			X
CS-MW9-LGR	1112.67	1046.03	-66.64	X		
CS-MW9-BS	1118.57	1058.80	-59.77		X	
CS-MW9-CC	1086.18	1024.23	-61.95			X
CS-MW10-LGR	1103.38	1020.23	-83.15	X		
CS-MW10-CC	1102.74	1030.21	-72.53			X
CS-MW11A-LGR	1095.79	1024.92	-70.87	X		
CS-MW11B-LGR	1086.52	1016.78	-69.74	X		
CS-MW12-LGR	1115.69	1047.43	-68.26	X		
CS-MW12-BS	1117.84	1057.89	-59.95		X	
CS-MW12-CC	1084.37	1028.49	-55.88			X
CS-MW17-LGR	1117.22	1052.36	-64.86	X		
CS-MW18-LGR	1110.85	1045.98	-64.87	X		
CS-MW19-LGR	1126.20	1062.25	-63.95	X		
LS-7	1068.62	889.50	-179.12	ALL		
RFR-10	1093.64	1043.09	-50.55	ALL		
FO-20	1127.10	1053.30	-73.80	ALL		
Average groundwater elevation change (all wells)			-61.24			
Average groundwater elevation change in each formation				-64.31	-47.40	-48.75
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 September 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-southwest at 0.0068 ft/ft. The groundwater gradient varies in direction and velocity in different areas of CSSA. Groundwater gradients calculated from different LGR wells ranged from 0.00132 ft/ft to 0.0137 ft/ft. General groundwater flow directions and average gradients during past monitoring events are provided in **Section 3.0** for comparison.

The September 2005 potentiometric surface map for LGR-screened wells (**Figure 2-1**) exhibited a wide range of groundwater elevations, from a minimum of 1016.78 feet MSL at CS-MW11B-LGR to a maximum 1145.04 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 (1101.53 feet MSL) of LGR screened wells measured in September 2005 (**Figure 2-1**). This elevation was 29 to 30 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 September 2005 groundwater elevations from wells screened in the LGR and CC (**Figure 2-4** and **Figure 2-5**, respectively).

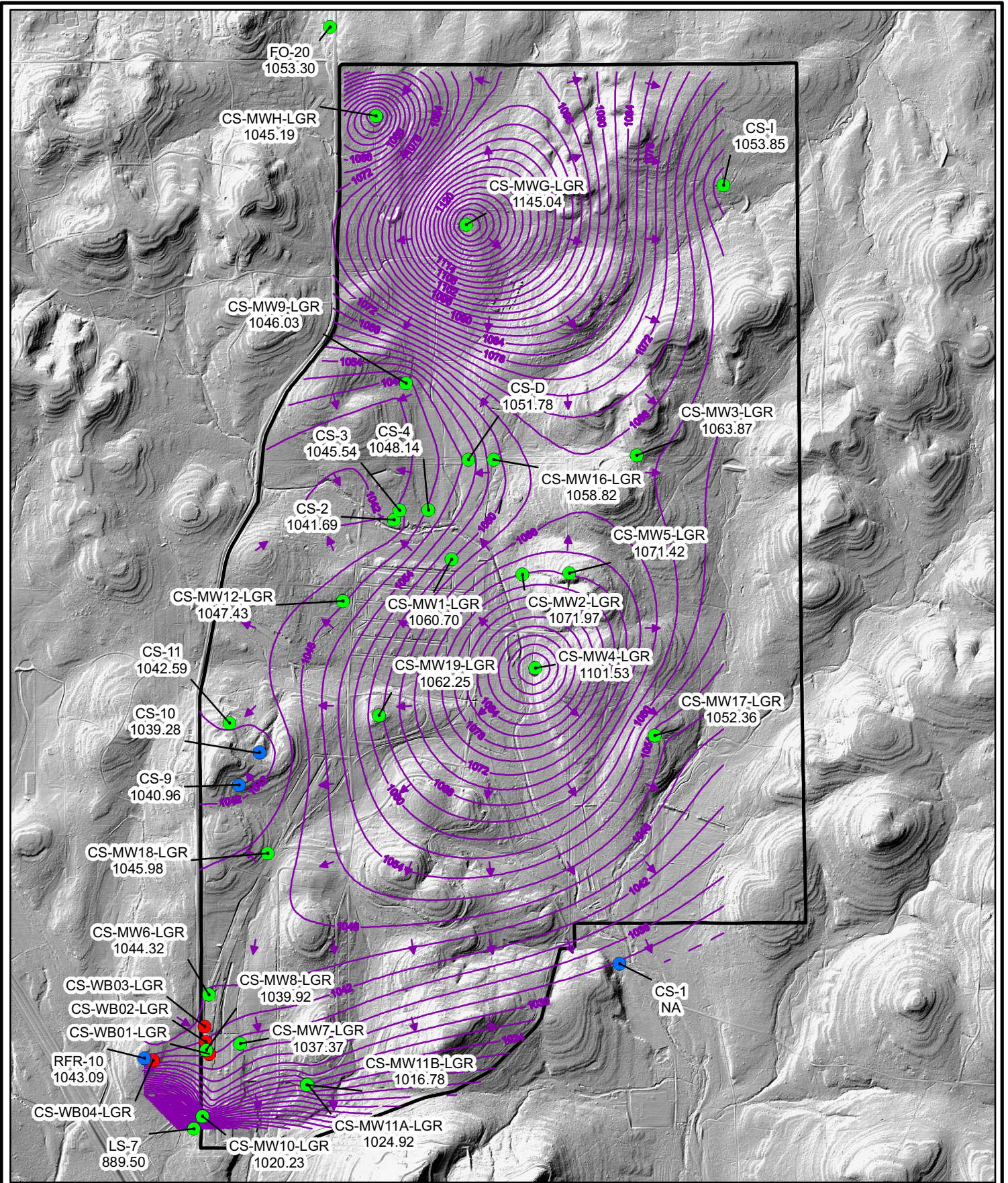


Figure 2.1
 September 2005 Potentiometric
 Surface Map, LGR Wells
 Camp Stanley Storage Activity
PARSONS

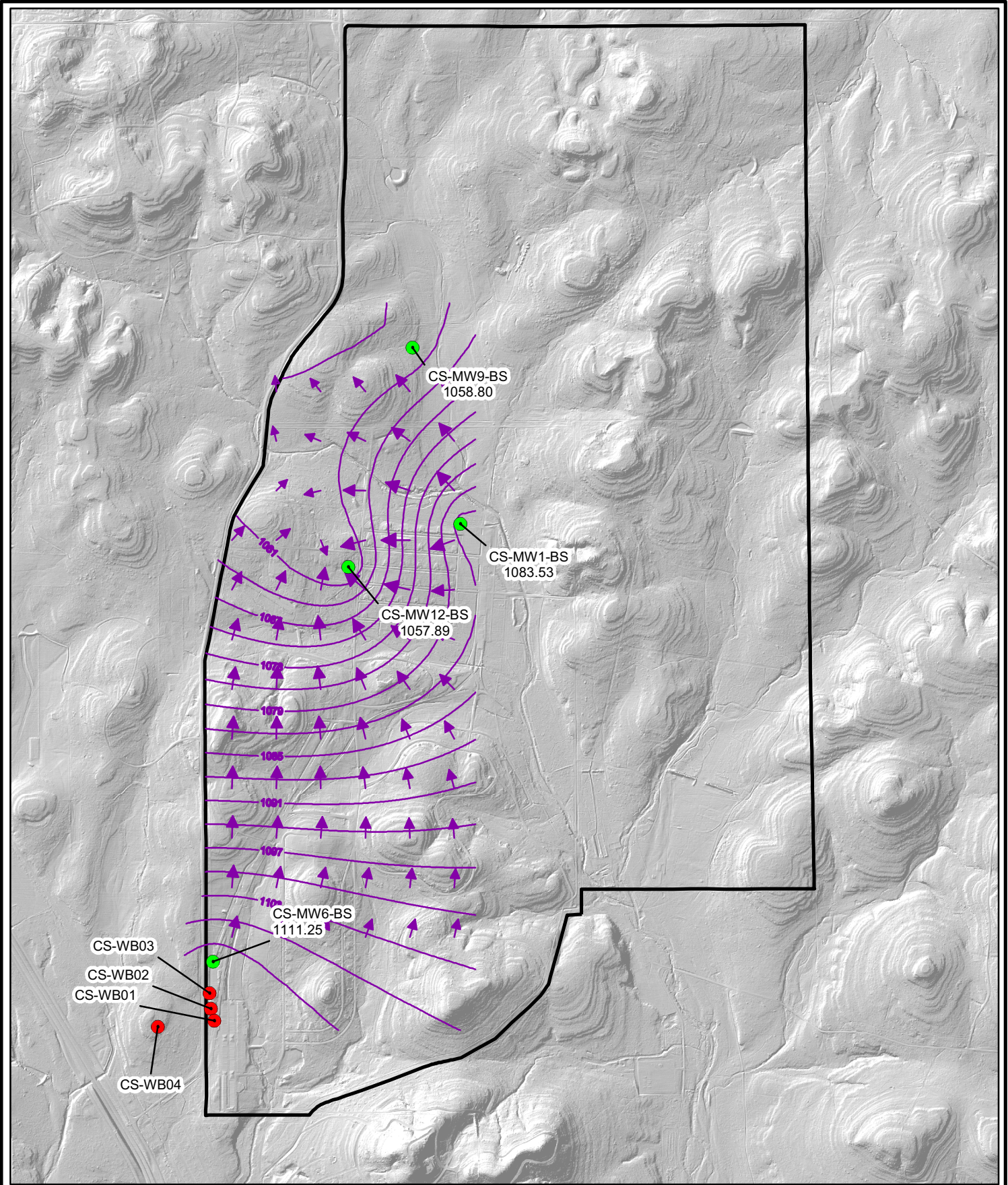
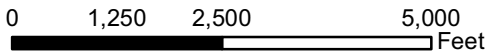
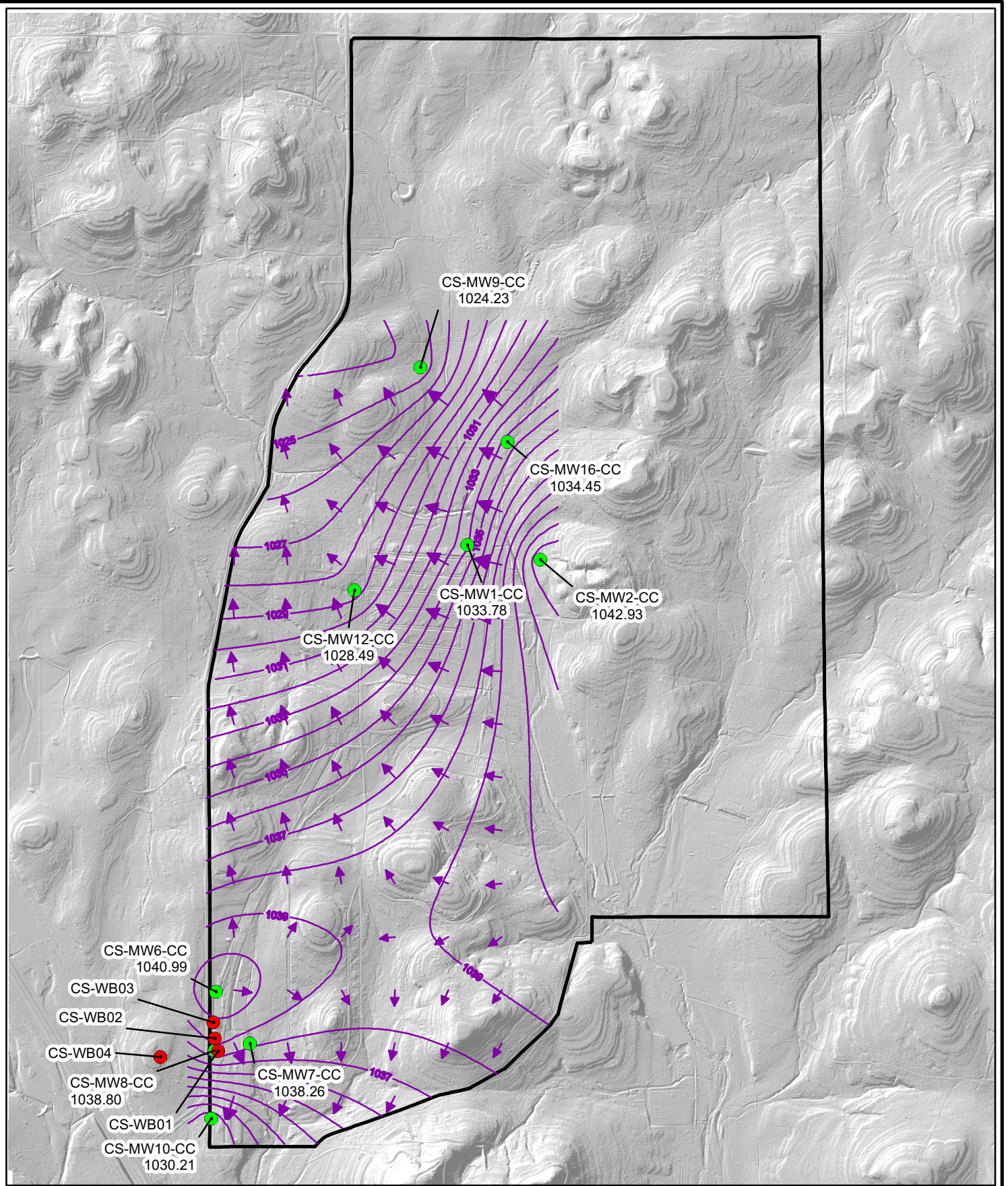


Figure 2-2
 September 2005 Potentiometric
 Surface Map, BS Wells
 Camp Stanley Storage Activity

PARSONS








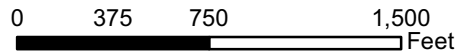
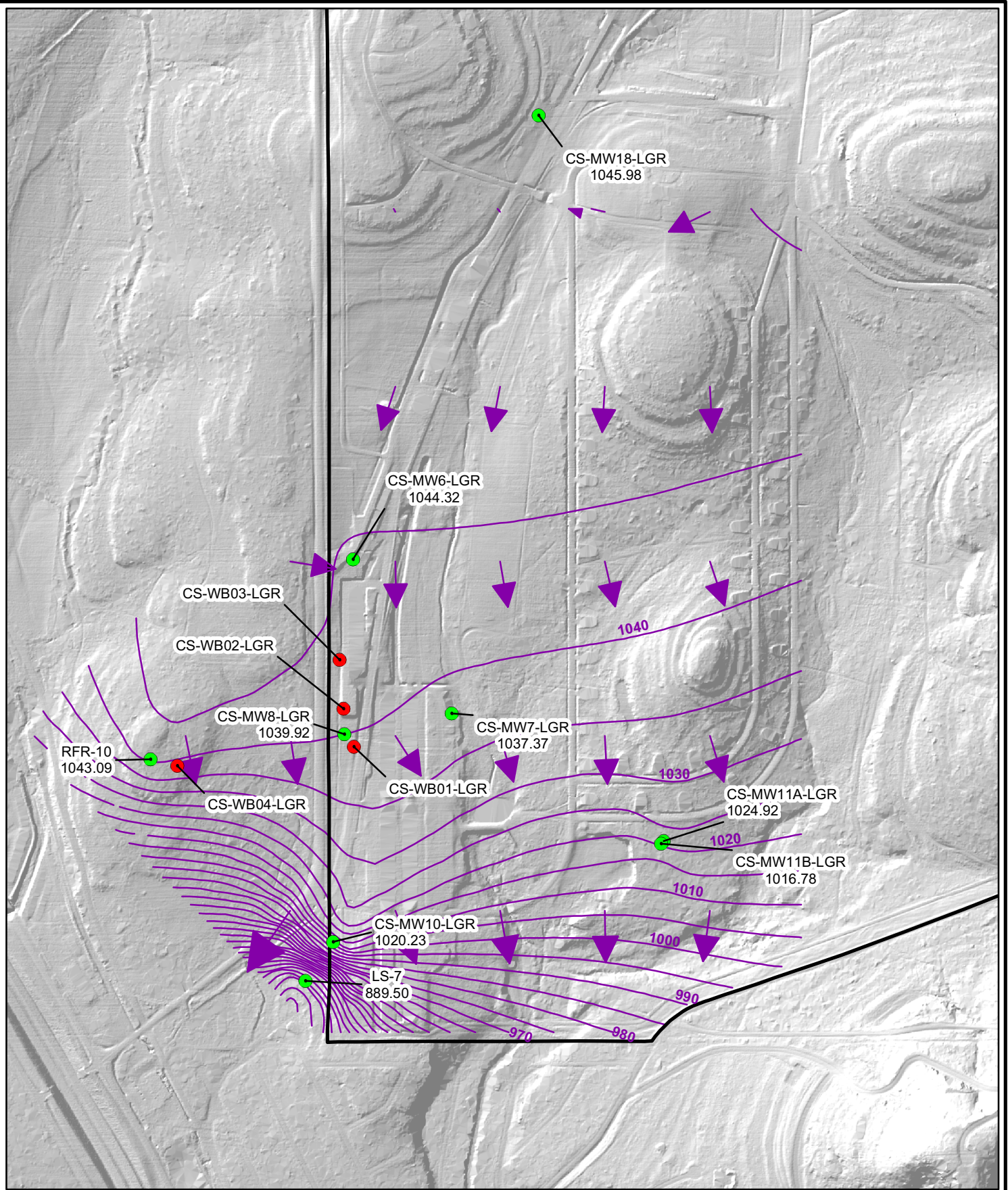
-  Flow direction
-  CC Groundwater Contours
-  Outer fence
-  CC Wells
-  Location of Westbay Wells

Figure 2-3
 September 2005 Potentiometric
 Surface Map, CC Wells
 Camp Stanley Storage Activity

PARSONS








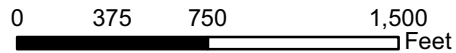
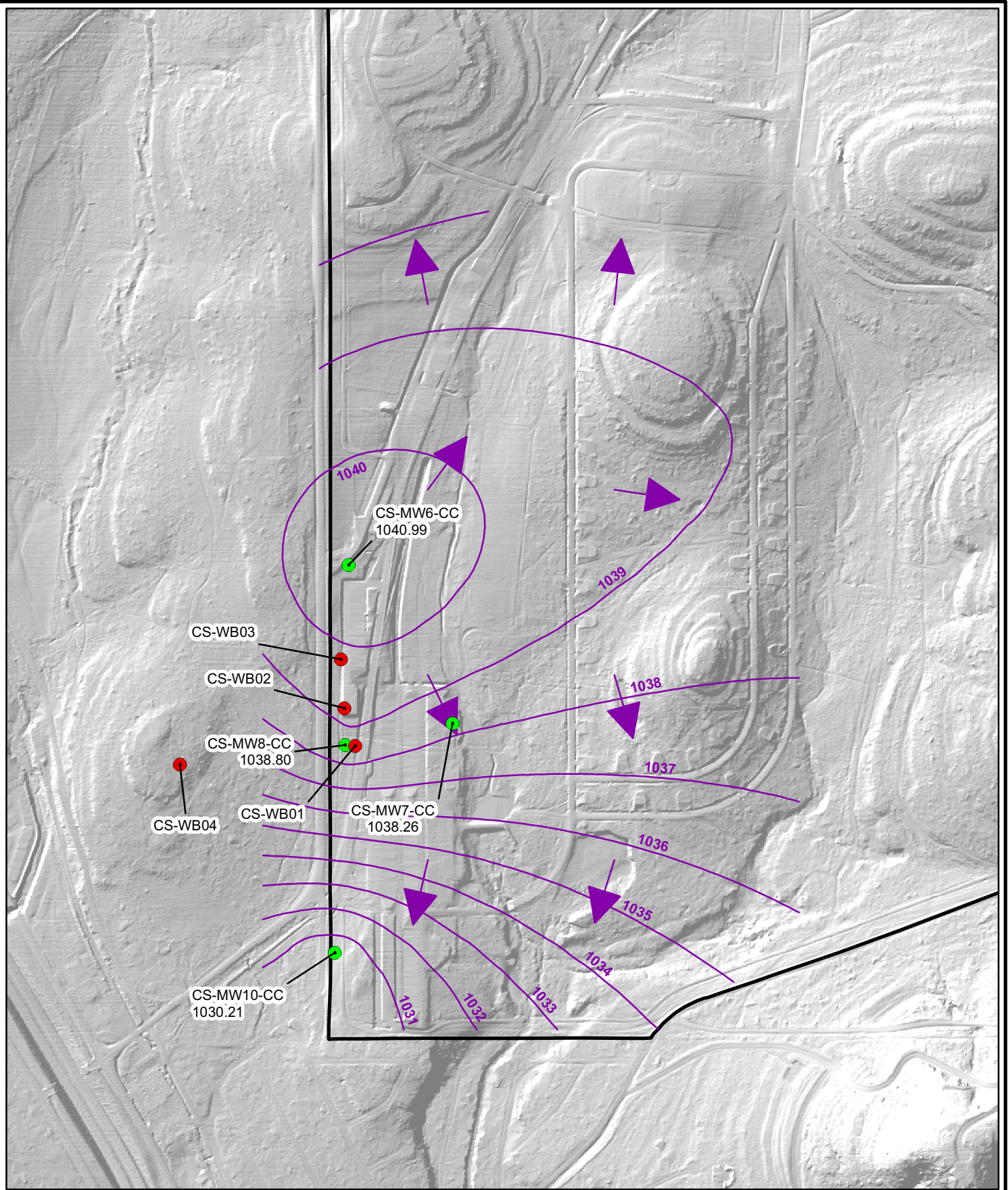
-  Flow direction
-  LGR Groundwater Contours
-  Outer fence
-  LGR Wells
-  Location of Westbay Wells

Figure 2-4

September 2005 Potentiometric Surface Map
for LGR Screened Wells near Building 90
Camp Stanley Storage Activity

PARSONS








-  Flow direction
-  CC Groundwater Contours
-  Outer fence
-  CC Wells
-  Location of Westbay Wells

Figure 2-5

September 2005 Potentiometric Surface Map
for CC Screened Wells near Building 90
Camp Stanley Storage Activity

PARSONS

The BS potentiometric surface map indicates groundwater flow direction to the north with slight variations to the west and the CC map shows flow direction is to the west with a more northerly component. The LGR potentiometric surface map near Building 90 for September 2005 indicates a groundwater flow direction to the south. The CC potentiometric surface map indicates that September 2005 groundwater flow is radiating out from CS-MW6-CC.

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.

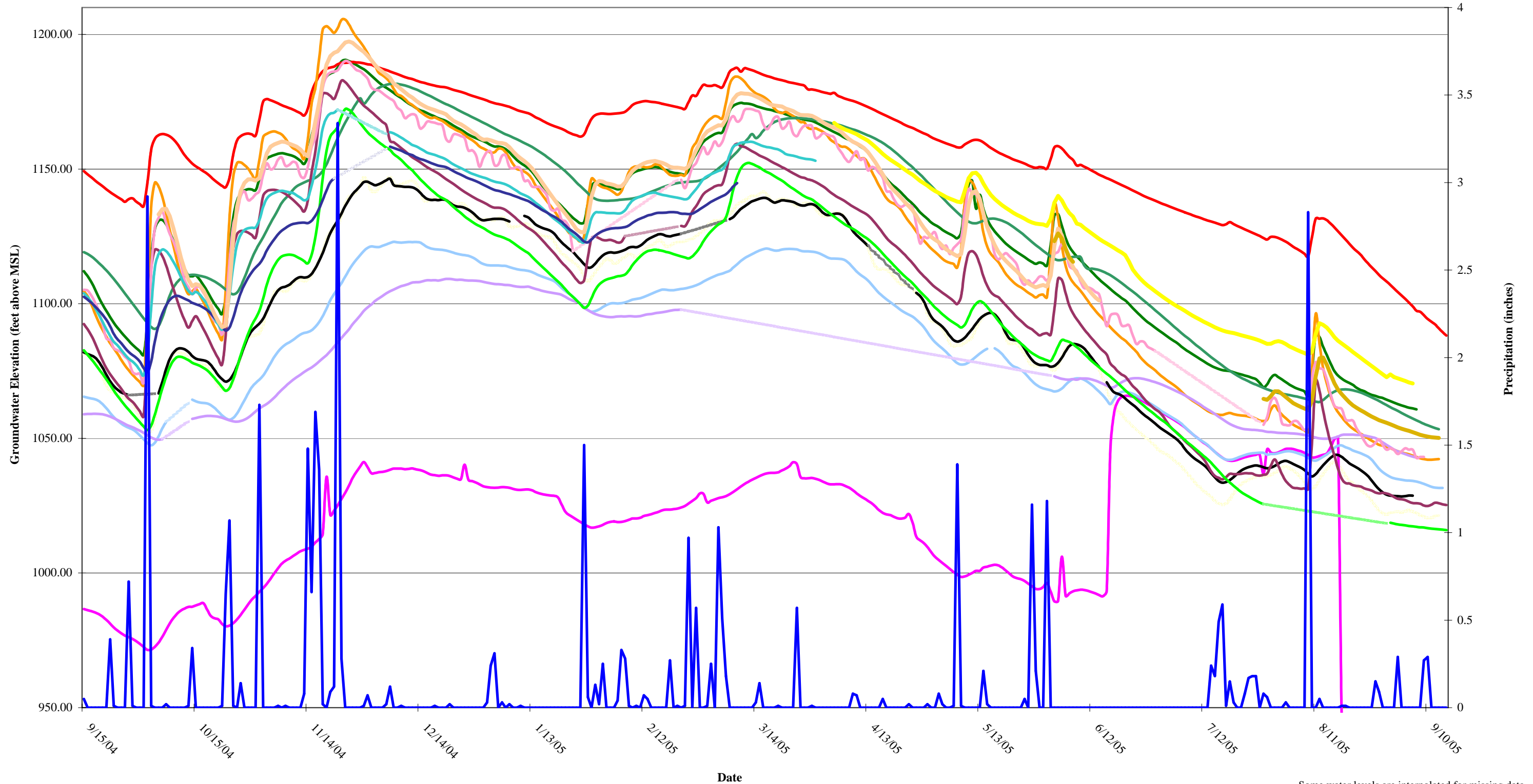
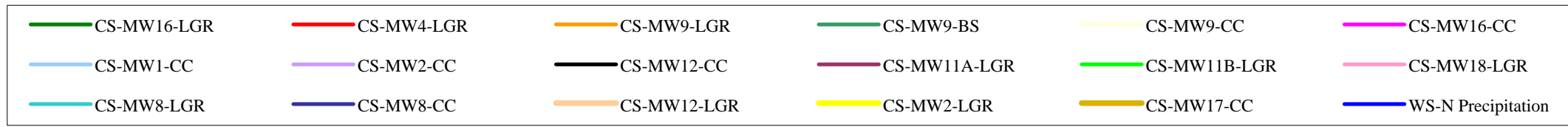
Until June 2001 when cluster wells were first installed and monitored at CSSA, most potentiometric surface maps were based on water levels from wells with different completion depths. Additional information concerning this issue is included in the **Introduction to the Quarterly Groundwater Monitoring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

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. WS-N stopped collecting data April 6, 2005, due to battery failure and is in the process of being repaired, receiving required maintenance and recalibration. The system is being shipped to Campbell Scientific, Inc for recalibration. The data are evaluated to identify trends in groundwater recharge. All transducer data collected from September 2004 through September 14, 2005, are presented in **Figure 3-1**. 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 3-1** does not indicate groundwater recharge conditions due to pumping which occurred from February 23, 2004 to June 17, 2005. Precipitation recorded at WS-N is shown through March 29, 2005 then precipitation data from WS-S was used through September 15, 2005, due to battery failure and regular maintenance required in weather station north, on **Figure 3-1**.

Overall, groundwater levels in all three formations throughout CSSA decreased an average of 61.24 feet between June 6, 2005 and September 6, 2005. During this period it was discovered that WS-N collected erroneous data due to battery failure, while WS-S reported 20 rainfall events with a total of 5.93 inches of rainfall. Rainfall events during this quarter occurred sporadically, WS-S recorded 1.69 inches of rain between July 14-20, 2005 and 2.83 inches of rain was recorded on August 9, 2005. During the previous quarter when groundwater levels decreased 45.96 feet, there were 20 rainfall events with a total precipitation of 5.29 inches 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.

Figure 3-1, Selected Wells Groundwater Elevations vs Precipitation Data



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

Some water levels are interpolated for missing data.

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

Quarterly Report (Month, year)	Total Quarterly precipitation (inches) North WS	Total Quarterly precipitation (inches) South WS	Average GW elevation Change* (feet)	CS-MW16-LGR GW Elevation Change* (feet)	Average GW Elevation in each Formation (ft/MSL)			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	NA	5.29	-45.93	-53.66	1119.19	1125.27	1082.40	0.0041	South-southeast
September-05	NA	5.93	-61.24	-62.95	1054.88	1077.87	1033.65	0.0068	South-southwest

* Change since previous quarter.

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

NA = Data not available due to weather station battery failure.

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 July 20-26, and August 29-30, 2005. Pressure profiles were measured on July 13 and during the sampling events. Fewer profiling events were collected this quarter due to very steady, uneventful climate conditions and anticipated implementation of the recommendations of the Final Three-tiered Long Term Monitoring Optimization (LTMO) (Parsons, May 2005). The standard Westbay Instruments, Inc., sampling equipment, 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 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 third 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 July through September 2005. Concentrations from sampled WB zones are graphically represented on **Figures 4.1 to 4.4**. A chart without colored concentration trend lines indicates no data. This occurs when a zone is not sampled, usually due to lack of sufficient water. The depths indicated for each monitoring zone show the sampling interval open to the formation.

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 15,100 micrograms per liter ($\mu\text{g/L}$) was reported in WB03 interval UGR 01 in July 2005. This zone was dry for the remainder of the quarter. 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, WB01-LGR-05, WB01-LGR-06, and all WB04 zones except LGR-07, -09, and LGR-10. TCE concentration trends generally reflect the PCE trends. The maximum TCE concentration reported was 373 $\mu\text{g/L}$ at WB03-UGR-01 in July. 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. 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 three WB03 intervals (UGR-01, LGR-03, and LGR-07), in four 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 third 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 $\mu\text{g/L}$ WB03-LGR-07) to 11.8 $\mu\text{g/L}$ in WB03-UGR-01.

No acetone or IPA detections are reported in the WB sample results, as had been the case in past quarters. Laboratory contamination had been suspected with the past results. The laboratory has made some minor adjustments to its dilution equipment decontamination procedures. No detections of toluene, *trans*-1,2-DCE, and MEK occurred in the WB groundwater samples.

4.3 Profile Measurements

Third 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 July through September 2005, from less than 0.1 feet/day in the shallowest zones up to approximately 0.55 feet/day in the lower LGR zones (07 – 11) and the BS and CC zones of WB04. Total decreases for the quarter ranged from approximately 2-3 feet in the upper LGR horizons to 50 feet in the lower LGR zones (07-11), 51 feet in the BS, and 54 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 in July, but was dry thereafter. The LGR-02 interval was dry in WBs 02, 03, and 04 during the entire quarter.

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

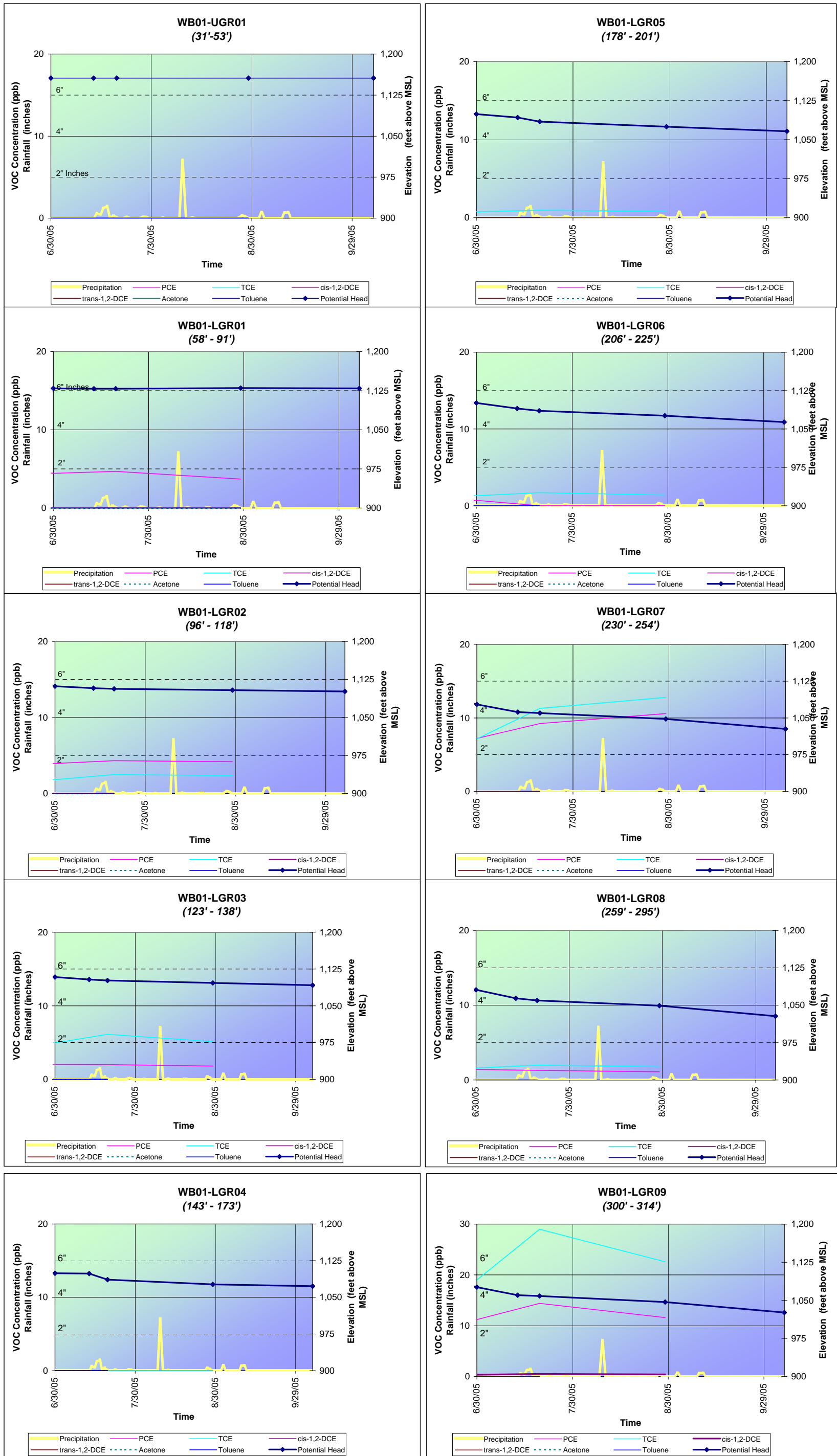


Figure 4-2 CS-WB02
 Combined Concentration, Water Level, and Rainfall Data
 Camp Stanley Storage Activity
 Boerne, TX

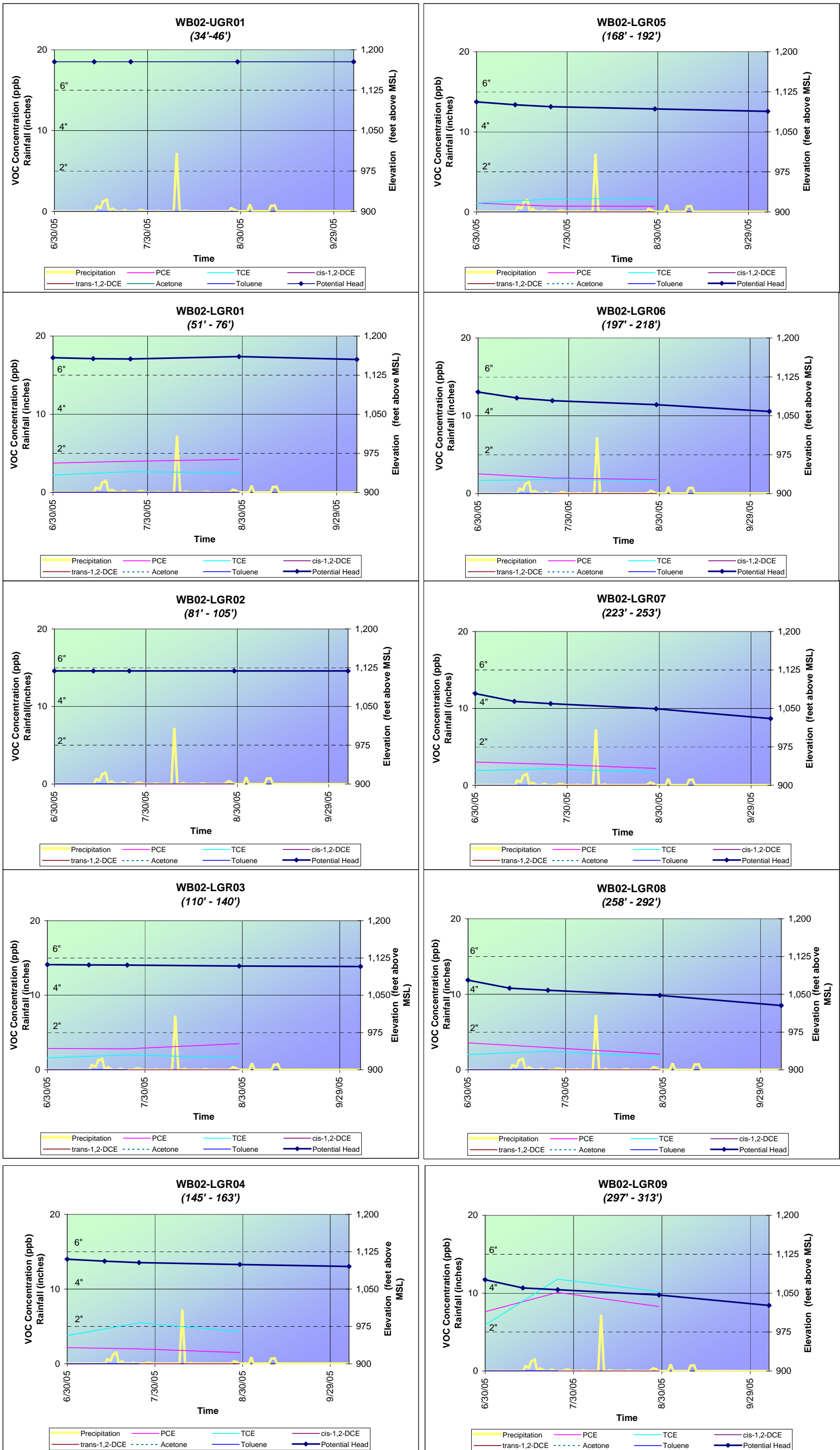


Figure 4-3 CS-WB03
 Combined Concentration, Water Level, and Rainfall Data
 Camp Stanley Storage Activity
 Boerne, TX

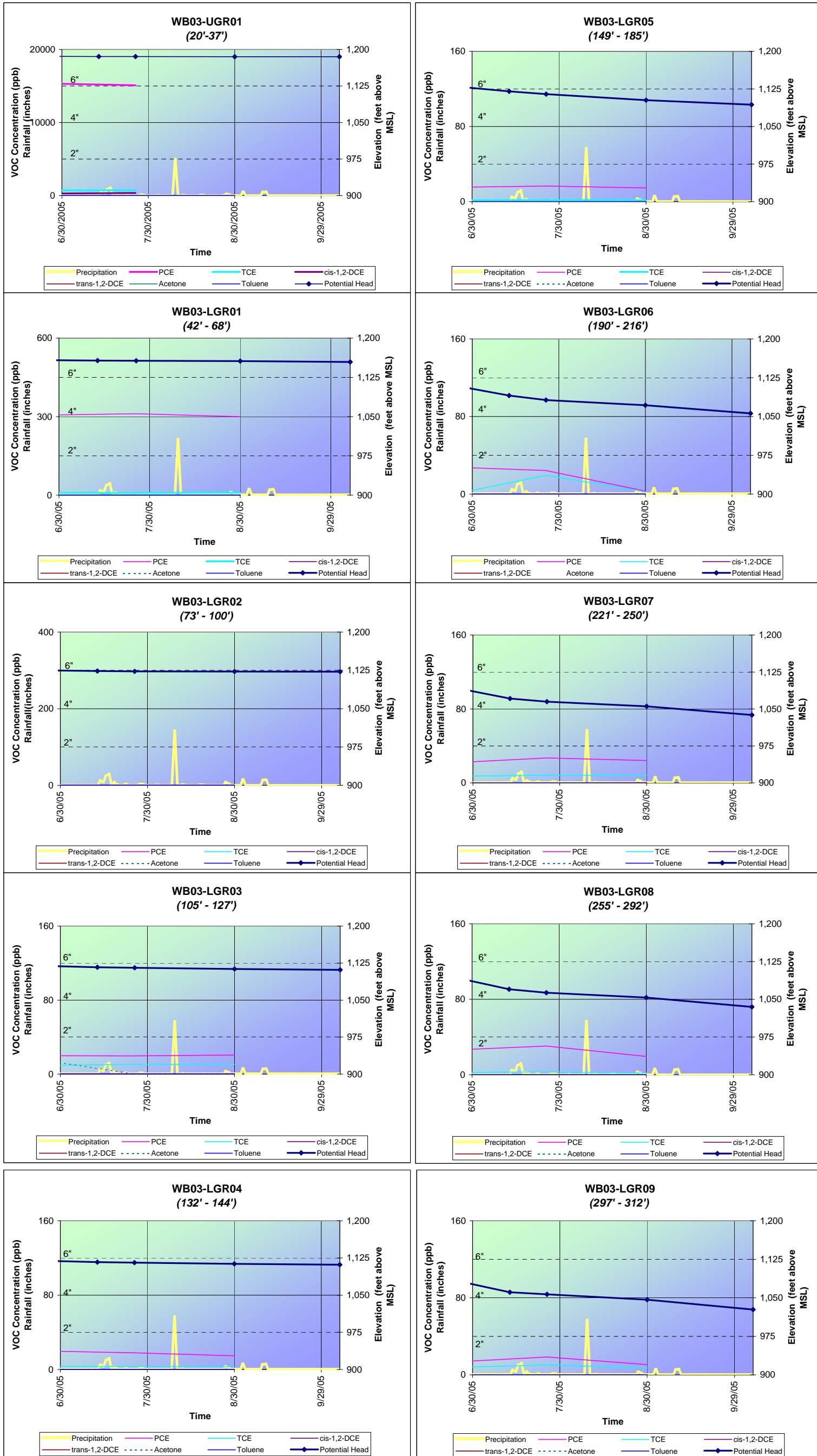
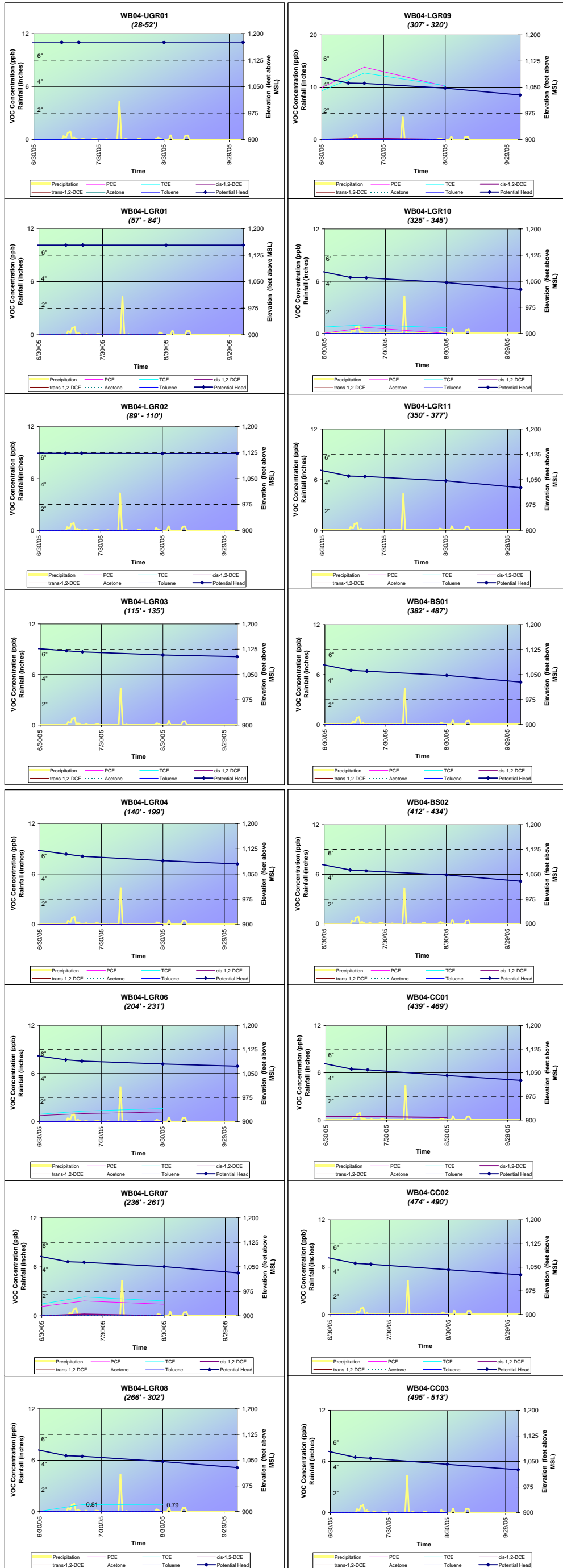


Figure 4-4 CS-WB04
 Combined Concentration, Water Level, and Rainfall Data
 Camp Stanley Storage Activity
 Boerne, TX



5.0 SEPTEMBER 2005 ANALYTICAL RESULTS

On-post groundwater sampling was performed September 6, 2005 – September 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. Five wells, CS-1, CS-9, CS-10, CS-11, 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. Well CS-MW16-CC was not sampled due to electrical outage. Samples were collected after field parameters stabilized. A YSI pH, temperature, conductivity meter was used to measure field parameters during purging, field parameters were recorded in the logbook.

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 September 2005 sampling event on-post monitoring wells were analyzed for the short list of VOC analytes.

Parsons data package numbers TO 0008 #165 through #169 containing the analytical results from this sampling event were received by Parsons from September 27, 2005 to October 4, 2005. Data validation was conducted and submitted to AFCEE on October 5, 2005. AFCEE approved the data packages on October 18, 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
September 2005 Quarterly Groundwater Detected Concentrations

Sample ID				CS-MW1-BS	CS-MW1-LGR	CS-MW1-LGR	CS-MW19-LGR	CS-MW2-CC	CS-MW2-LGR	CS-MW5-LGR	CS-MW8-CC	CS-MW8-LGR	CS-2																													
Sample Date				09/14/05	09/14/05	09/14/05	09/09/05	09/07/05	09/07/05	09/08/05	09/12/05	09/12/05	09/09/05																													
Sample Type				N	FD	N	N	N	N	N	N	N	N																													
Matrix				WG	WG	WG	WG	WG	WG	WG	WG	WG	WG																													
Method	Lab MDL	Lab RL	MCL/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															
<i>SW8260B</i>																																										
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									
Dichloroethene, cis-1,2-	0.2	1.2	70	0.2 U	0.2	1		18.0	0.2	1		17.0	0.2	1		0.2 U	0.2	1		0.2 U	0.2	1	3.3	0.2	1		1.4	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		0.21 F	0.16	1		0.21 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		0.16 U	0.16	1					
Tetrachloroethene	0.17	1.4	5	0.17 U	0.17	1		11.0	0.17	1		12.0	0.17	1		0.41 F	0.17	1		0.17 U	0.17	1	0.17 U	0.17	1		0.83 F	0.17	1		0.29 F	0.17	1		0.7 F	0.17	1		0.25 F	0.17	1	
Toluene	0.17	1.1	1000	0.34 F	0.17	1		0.17 U	0.17	1		0.17 U	0.17	1		0.17 U	0.17	1		2.7	0.17	1	0.33 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		25.0	0.16	1		26.0	0.16	1		0.16 U	0.16	1		0.16 U	0.16	1	0.16 U	0.16	1		1.2	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	

Sample ID				CS-4	CS-D	CS-MW10-LGR	CS-MW11A-LGR	CS-MW11B-LGR	CS-MW12-BS	CS-MW12-CC	CS-MW16-LGR	CS-MW16-LGR	CS-MW17-LGR																													
Sample Date				09/08/05	09/07/05	09/15/05	09/15/05	09/15/05	09/07/05	09/07/05	09/08/05	09/08/05	09/13/05																													
Sample Type				N	N	N	N	N	N	N	FD	N	N																													
Matrix				WG	WG	WG	WG	WG	WG	WG	WG	WG	WG																													
Method	Lab MDL	Lab RL	MCL/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															
<i>SW8260B</i>																																										
Chloroform	0.15	0.3	--	0.15 U	0.15	1		0.23 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		0.15 U	0.15	1					
Dichloroethene, cis-1,2-	0.2	1.2	70	0.2 U	0.2	1		260.0	2.0	10		0.2 U	0.2	1		0.2 U	0.2	1		0.2 U	0.2	1	0.2 U	0.2	1		5.1	0.2	1		5.2	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		1.3	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	
Tetrachloroethene	0.17	1.4	5	0.93 F	0.17	1		180.0	1.7	10		2.3	0.17	1		0.29 F	0.17	1		1.5	0.17	1	0.17 U	0.17	1		7.5	0.17	1		7.6	0.17	1		0.3 F	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		0.19 F	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	1.0	0.16	1		250.0	1.6	10		0.46 F	0.16	1		0.16 U	0.16	1		0.16 U	0.16	1	0.16 U	0.16	1		7.0	0.16	1		7.0	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	0.31 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	

This table presents detected analytical results only.
 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

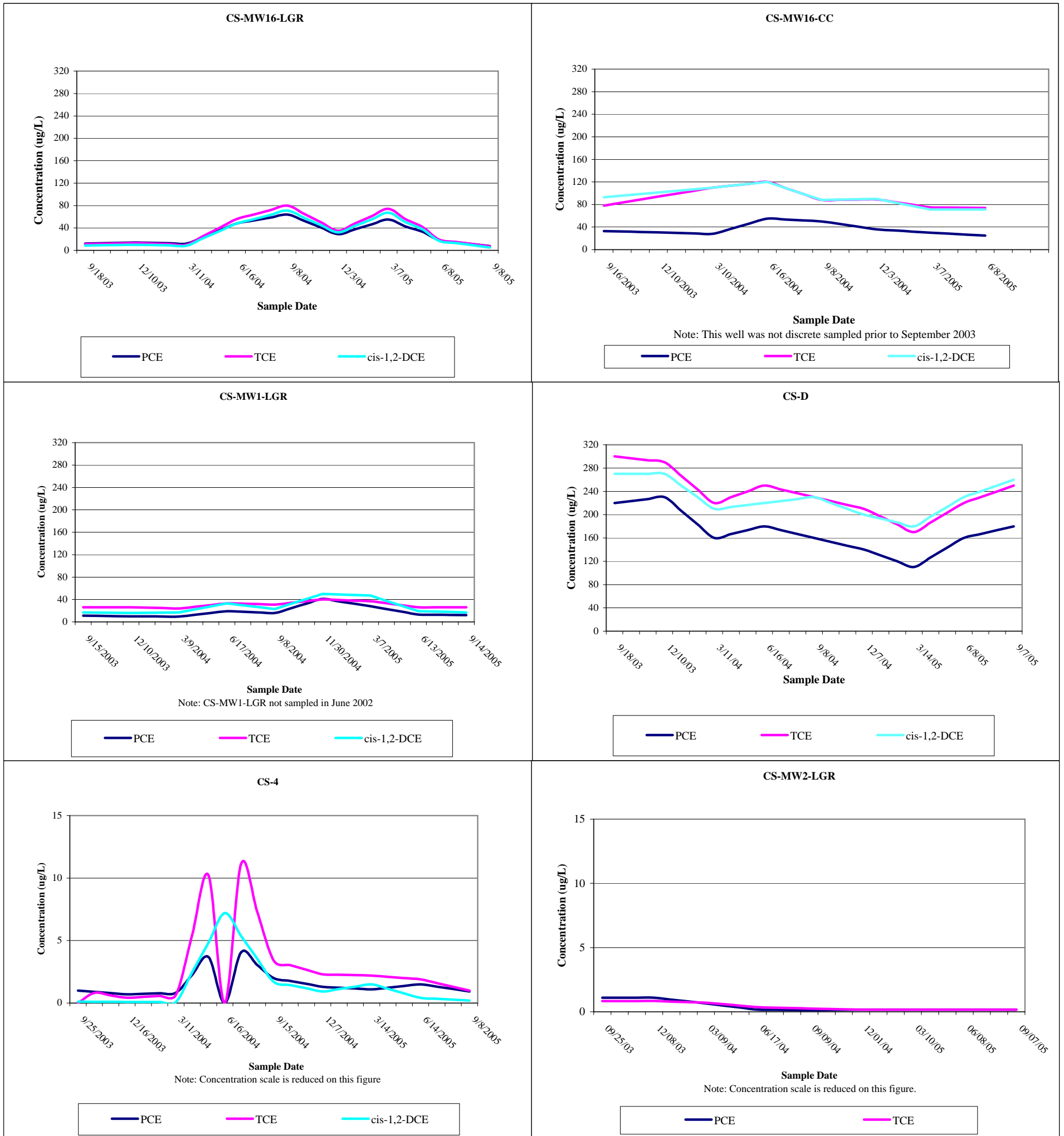
MCLs were exceeded in wells CS-D, CS-MW16-LGR (formerly well CS-16), CS-MW16-CC and CS-MW1-LGR in the September 2005 event. The detected concentrations are summarized as follows:

- CS-D – Concentrations of PCE (180 µg/L), TCE (250 µg/L), and *cis*-1,2-DCE (260 µg/L) all exceeded applicable MCLs. Also detected were *trans*-1,2-DCE (1.3 µg/L) and chloroform (0.23 µg/L), which were below the RL.
- CS-MW16-LGR – Concentrations of PCE (7.6 µg/L), and TCE (7.0 µg/L) exceeded the applicable MCL. Also detected was *cis*-1,2-DCE (5.2 µg/L) above the RL. The field duplicate reported similar results PCE (7.5 µg/L), TCE (7.0 µg/L), and *cis*-1,2-DCE (5.1 µg/L).
- CS-MW1-LGR – PCE (12.0 µg/L) and TCE (26.0 µg/L) concentrations were above the applicable MCL. Also detected was *cis*-1,2-DCE at 17.0 µg/L, above the RL and *trans*-1,2-DCE (0.21 µg/L) below the RL. The field duplicate reported similar results PCE (11.0 µg/L), TCE (25.0 µg/L), *cis*-1,2-DCE (18.0 µg/L), and *trans*-1,2-DCE (0.21 µg/L).

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 September 2005 event decreased since March 2005. In September 2005 concentrations in well CS-D increased but are still below the maximum detection that occurred in December 2003. In September 2005 the concentrations in well CS-MW2-LGR remained below MCL while concentrations in well CS-MW1-LGR decreased. Well CS-MW16-CC was not sampled this quarter due to an electrical outage. In June 2005, 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.

An LTMO 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. In September 2005, CSSA requested permission from EPA and TCEQ to implement the LTMO recommendations for on-post wells only. Off-post wells will not be included in the LTMO program implementation until further regulatory review. CSSA plans to implement frequency reductions for sampling of on-post wells beginning in December 2005. CSSA received approval from EPA and TCEQ to implement the On-Post LTMO for the December 2005 sampling event.

Figure 5-1 Concentrations of Selected Analytes



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

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 September 2005 sampling event.

Toluene was detected in the September 2005 sampling event at concentrations ranging from 0.19 µg/L to 2.7 µg/L. 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 Non-Detect and Detections Below the MCL

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 0.93 µg/L and TCE (1.0 µg/L), above the RL. PCE and TCE have been detected in this well since 1992. June 2004 was the first time concentrations exceeded the applicable MCLs.

Wells CS-MWG-LGR and the field duplicate as well as CS-MWH-LGR reported no VOC detections this quarter. Well CS-2 had a detection of PCE at 0.25 µg/L, below the RL. This is the second quarterly detection of PCE after having no detections in the previous two quarterly events (December 2004 and March 2005).

CS-MW1-BS had a detection of toluene (0.34 µg/L), below the RL. This is the fourth event since September 2003 that TCE has not been detected in this well. Well CS-MW1-CC had no VOC detections in September 2005.

CS-MW2-LGR had a detection of *cis*-1,2-DCE at a concentration of 3.3 µg/L, above the RL. Toluene was also detected at a concentration of 0.33 µg/L. Well CS-MW2-CC was sampled for the tenth time this quarter. The well had no VOC detections in September 2005 with the exception of toluene at a concentration of 2.7 µg/L.

Wells CS-I, CS-MW3-LGR, and CS-MW4-LGR reported no VOC detections in September 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 0.83 µg/L, 1.2 µg/L, and 1.4 µg/L, respectively. TCE and *cis*-1,2-DCE were above the RL while PCE was below the applicable RL.

In September 2005 wells CS-MW6-LGR, CS-MW6-BS, CS-MW6-CC, 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 0.70 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 fifth time in well CS-MW8-CC (0.29 µg/L), below the RL, in September 2005. CS-MW8-CC has been sampled quarterly since June 2001.

Wells CS-MW9-LGR, CS-MW9-BS, and CS-MW9-CC had no VOC detections in September 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 2.3 µg/L and 0.46 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 September 2005.

Well CS-MW11A-LGR was sampled for the tenth time in September 2005. Well CS-MW11A-LGR reported a detection of PCE (0.29 µg/L) below the RL. Well CS-MW11B-LGR reported a detection of PCE at a concentration of 1.5 µg/L, which is above the RL but below the MCL. This is the eighth 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 September 2005. CS-MW12-BS had a detection of vinyl chloride at a concentration of 0.31 µg/L, below applicable RL. CS-MW12-CC had a detection of toluene (0.19 mg/L), below the RL.

PCE was detected in well CS-MW17-LGR at a concentration of 0.30 µg/L, below the RL. Well CS-MW18-LGR and the corresponding field duplicate reported no VOC detections this quarter. PCE was first detected in well CS-MW18-LGR at a concentration of 0.051 µg/L in September 2004 and it has been sampled quarterly since September 2002. Well CS-MW19-LGR had a detection of PCE (0.41 µg/L), below the RL. 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 September 2005 were CS-1, CS-9, CS-10, and CS-11. All contaminant concentrations detected in these wells were below MCLs.

CS-1 had a VOC detection of TCE (0.39 µg/L), below the RL, in September 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 September 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 a VOC detection of chloroform (0.40 µg/L) in September 2005. PCE has been detected sporadically in well CS-10 throughout the 2002, 2003, and 2004 events, all detections have been below the RL. TCE has never been detected in this well. Well CS-11 had no VOC detections this quarter.

5.2 Metals Analyses

All drinking water wells were analyzed for the metals arsenic, cadmium, lead, barium, chromium, copper, nickel, zinc, and mercury in September 2005. No drinking water 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

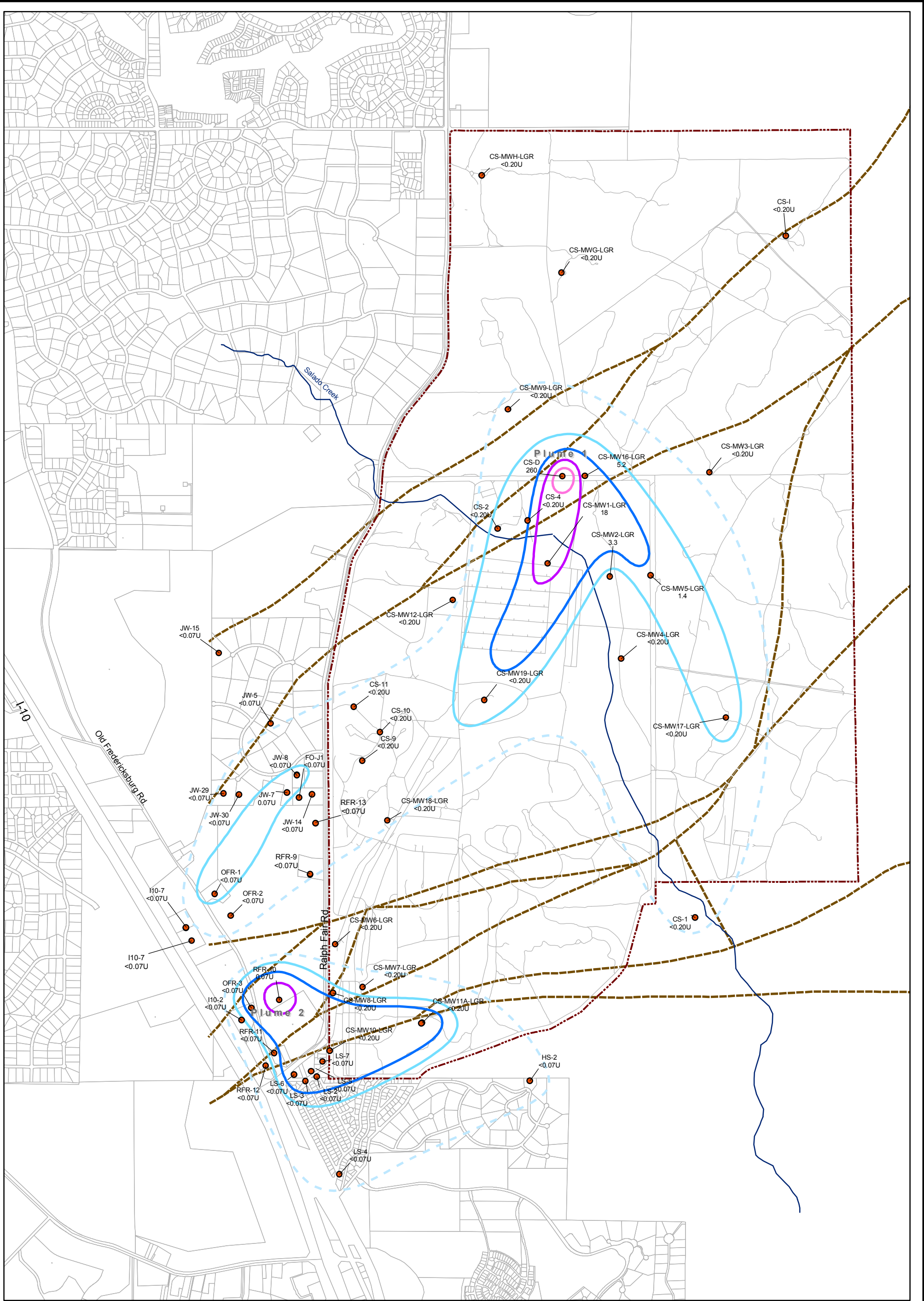
- MCLs were exceeded for one or more of PCE, TCE, and *cis*-1,2-DCE, in wells CS-MW16-LGR (formerly well CS-16), CS-MW16-LGR field duplicate, CS-MW1-LGR, CS-MW1-LGR field duplicate, and CS-D. VOC levels in CS-MW16-LGR and CS-MW1-LGR were decreased from the previous quarter, but VOC levels in CS-D increased.
- Monitoring wells CS-4, CS-MW2-LGR, CS-MW2-CC, CS-MW5-LGR, CS-MW10-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 and field duplicate, CS-MWH-LGR, CS-MW1-CC, CS-MW3-LGR, CS-MW4-LGR, CS-MW6-LGR, CS-MW6-BS, CS-MW6-CC, CS-MW7-LGR, CS-MW7-CC, CS-MW9-LGR, CS-MW9-BS, CS-MW9-CC, CS-MW10-CC, CS-MW12-LGR, CS-MW18-LGR, CS-MW18-LGR field duplicate had no VOC analytes detected above either the applicable MDL or RL.
- Drinking water well CS-9 had no VOC detections in September 2005. Former drinking water well CS-11 also had no VOC detections. However, drinking water wells CS-1 had a detection of TCE, below the RL and CS-10 had a detection of chloroform also below the RL.
- Plume maps showing PCE, TCE and *cis*-1,2-DCE detections for the LGR, CC, and BS are illustrated in **Figure 6.1** through **Figure 6.7**.
- The LGR groundwater potentiometric surface map (**Figure 2-1**) for September 2005 shows groundwater flow to be variable throughout the facility and generally to the south and west.
- The LGR potentiometric surface map near Building 90 indicated a groundwater flow to the south and southwest, and the CC potentiometric surface map near Building 90 indicated a groundwater flow radiating from CS-MW6-CC in September 2005.
- In September 2005, vinyl chloride was detected in well CS-MW12-BS (0.31 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
June 2005	CS-MW12-BS	TR

(TR = below the RL and F-flagged)

- Metals were sampled in September 2005 in drinking water wells; no concentrations exceeded the applicable MCLs and/or AL.
- An average decrease in water levels of 61.24 feet occurred between June 2005 and September 2005. During this period it was discovered that WS-N collected erroneous data due to battery failure, while WS-S reported 20 rainfall events with a total of 5.93 inches of rainfall.

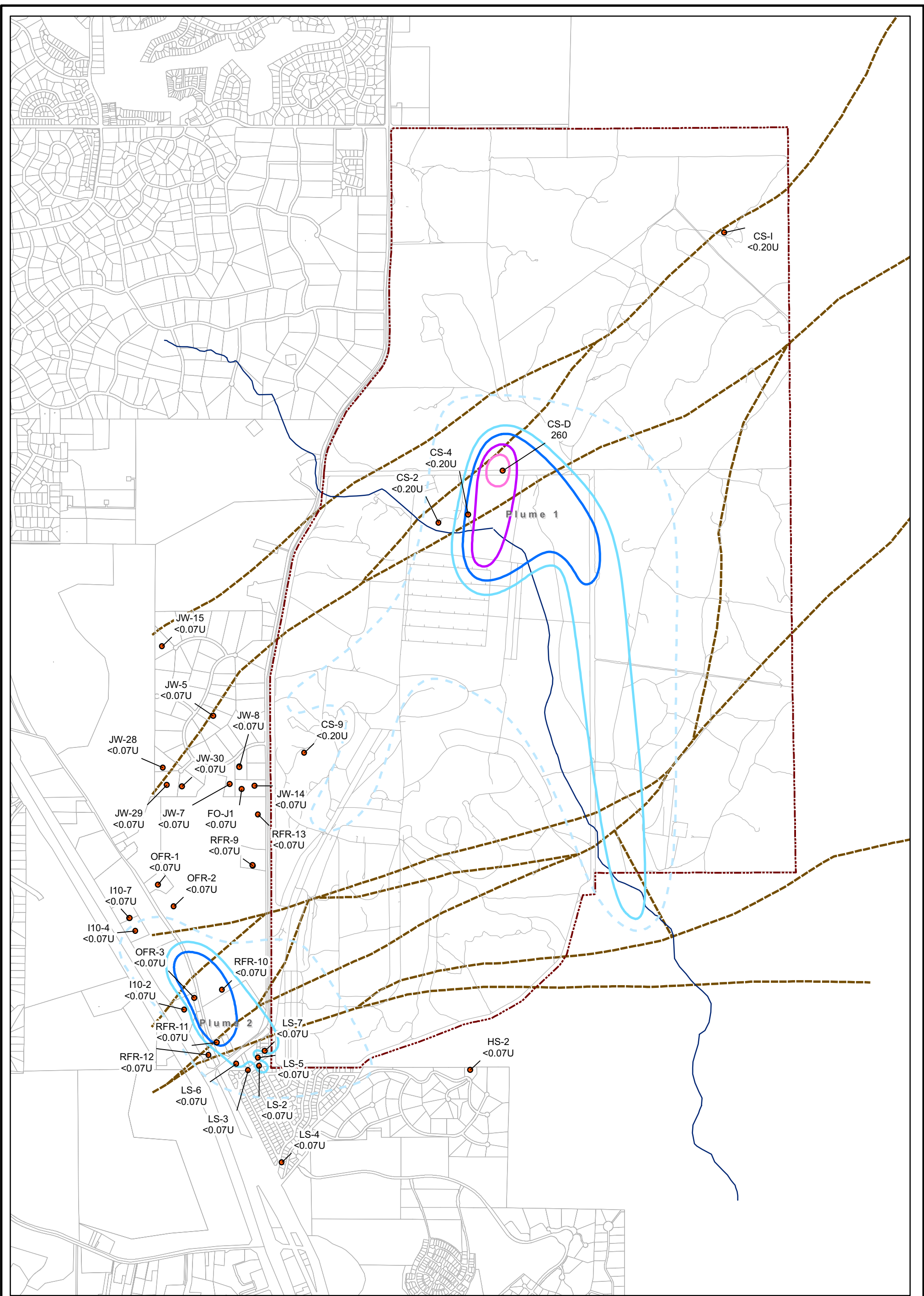


0 2,000 4,000 Feet

- Wells
- Parcels
- CSSA Boundary
- Salado Creek
- Faults

- PCE Concentrations (µg/L)**
- Estimated Plume Boundary
 - Based on Historical Data
 - 0.2
 - 1.00
 - 10.00
 - 100.00

Figure 6.1
PCE Concentration for LGR Wells
September 2005
PARSONS



0 2,000 4,000 Feet

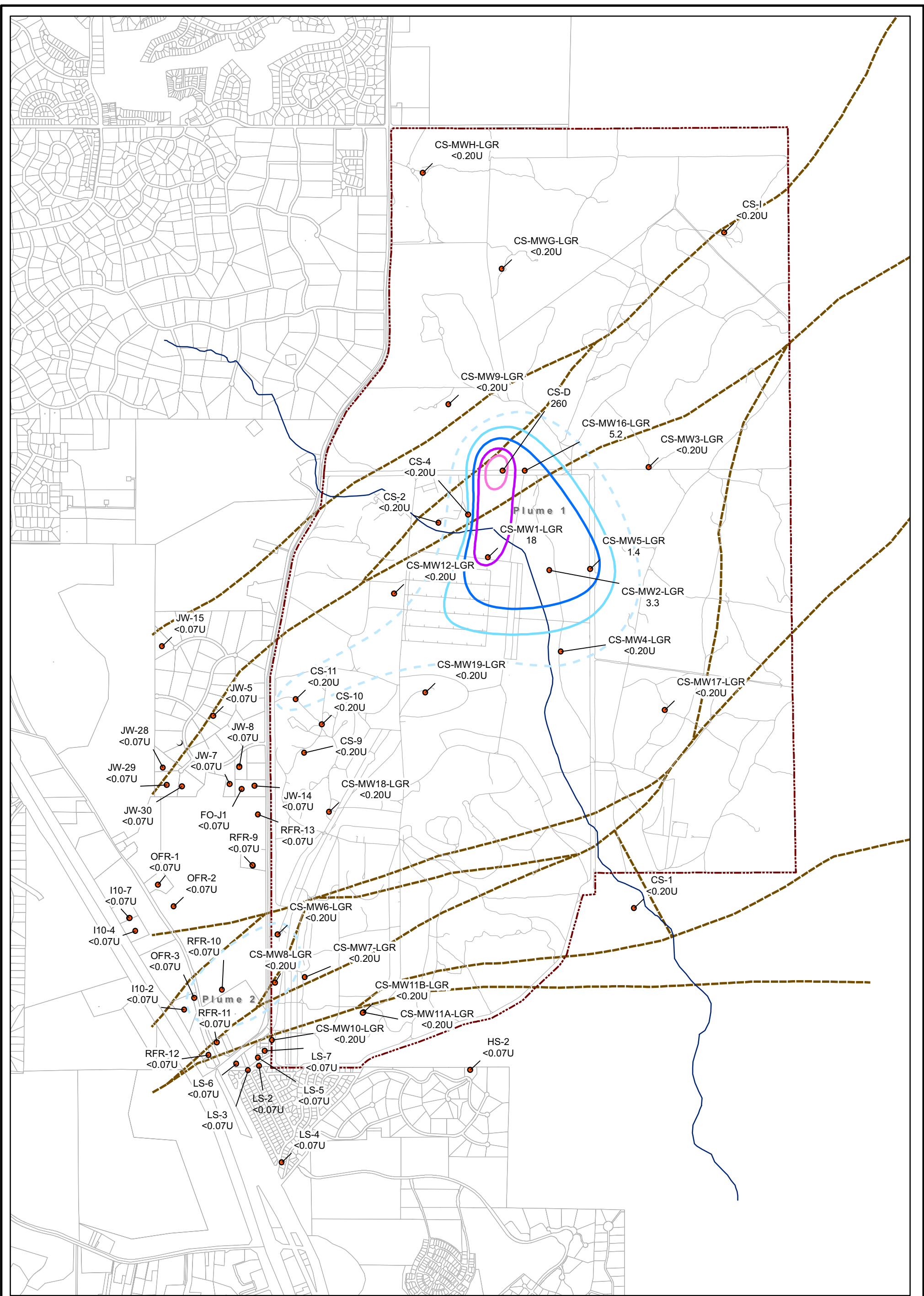
- Wells
- Parcels
- - - CSSA Boundary
- Salado Creek
- - - Faults

- TCE Concentrations (µg/L)**
- Estimated Plume Boundary Based on Historical Data
 - 0.2
 - 1.00
 - 10.00
 - 100.00

Figure 6.2

TCE Concentrations for LGR Wells, September 2005





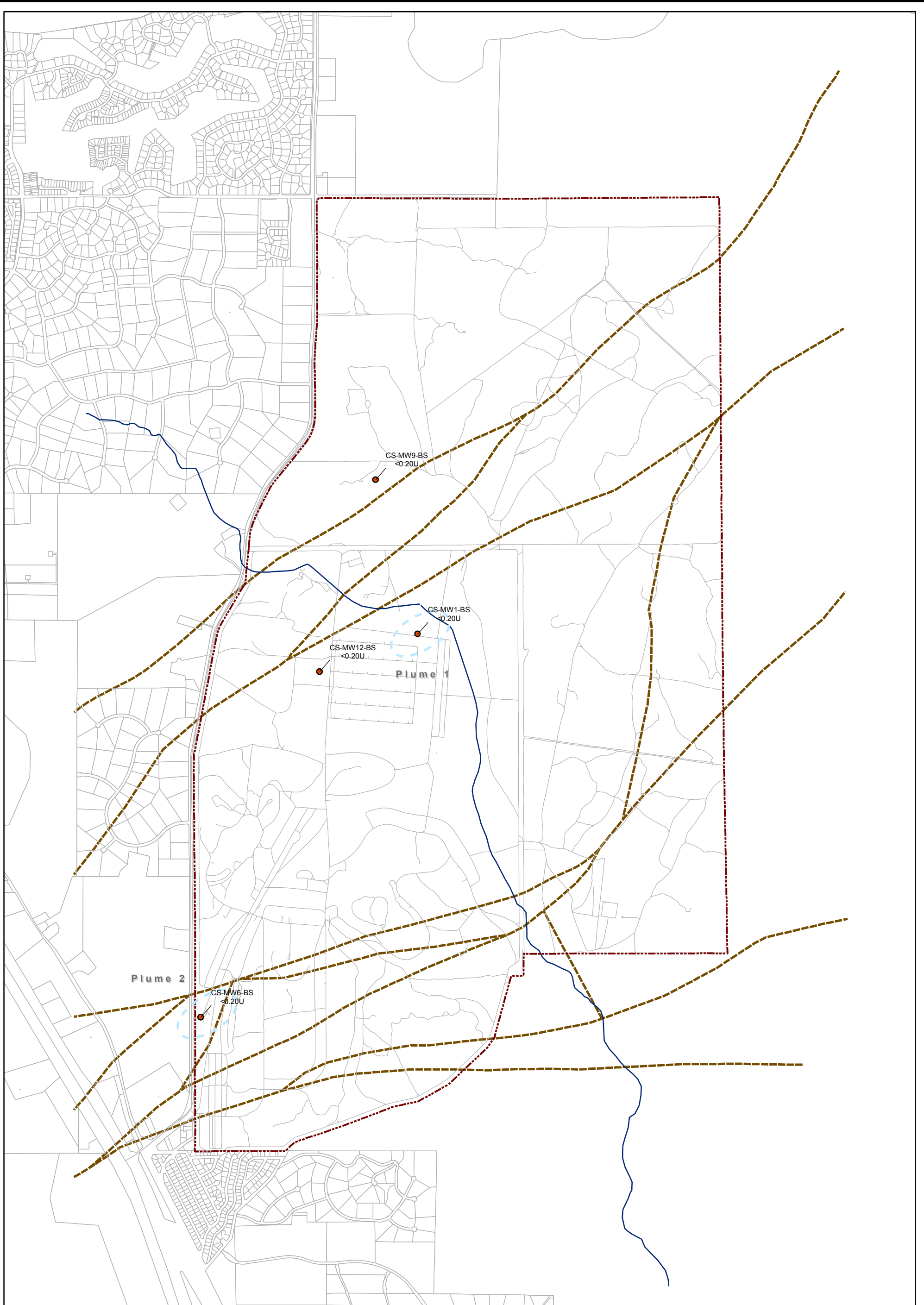
0 2,000 4,000 Feet

- Wells
 - Parcels
 - CSSA Boundary
 - Salado Creek
 - Faults
- cis-1,2-DCE Concentrations (µg/L)**
- Estimated Plume Boundary Based on Historical Data
 - 0.2
 - 1.00
 - 10.00
 - 100.00

Figure 6.3

cis-1,2-DCE Concentrations for LGR Wells, September 2005





0 2,000 4,000 Feet

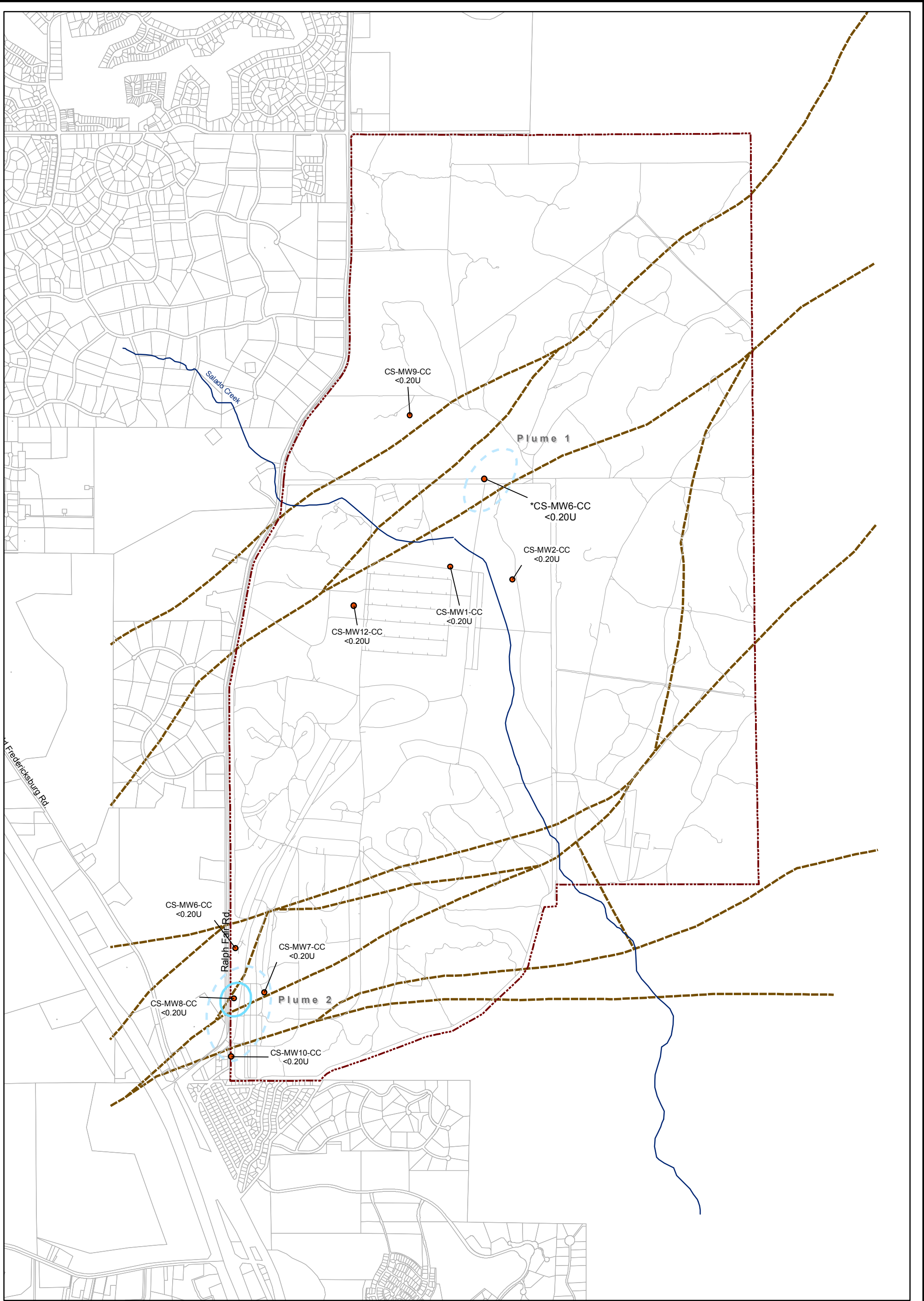
- Wells
- Parcels
- - - CSSA Boundary
- Salado Creek
- - - Faults

- DCE Concentrations (µg/L)**
- - - Estimated Plume Boundary Based on Historical Data
 - 0.2
 - 1.00
 - 10.00
 - 100.00

Figure 6.4

cis-1, 2-DCE Concentration for
BS Wells
September 2005





CS-MW16-CC was not sampled due to an electricity outage

- Wells
- Parcels
- - - CSSA Boundary
- Salado Creek
- - - Faults
- PCE Concentrations (µg/L)**
- - - Estimated Plume Boundary Based on Historical Data
- 0.2
- 1.00
- 10.00
- 100.00

0 2,000 4,000 Feet

Figure 6.5

PCE Concentrations for
CC Wells, September 2005



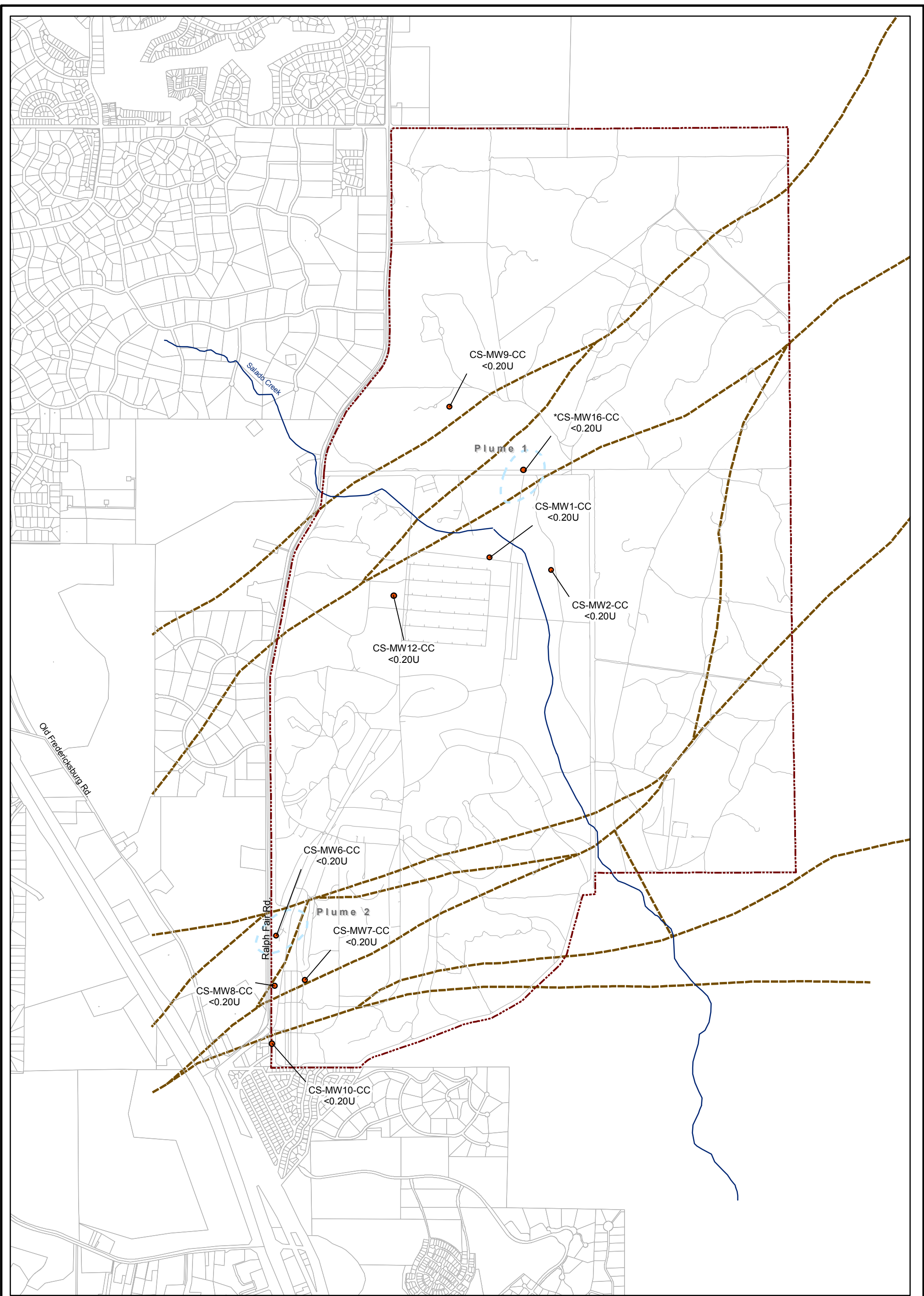


Figure 6.6

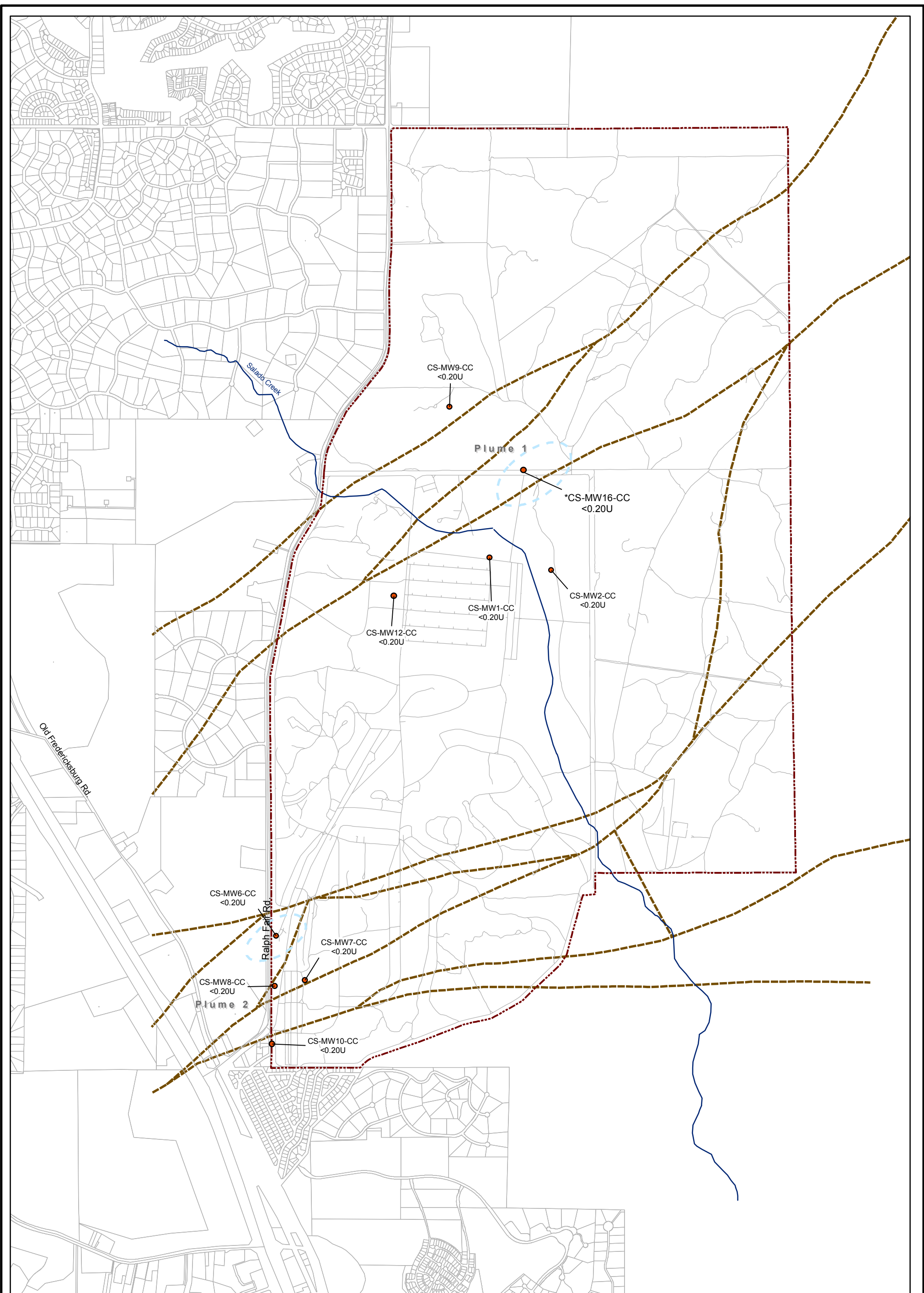
TCE Concentrations for
CC Wells, September 2005



0 2,000 4,000 Feet

CS-MW16-CC was not sampled due to an electricity outage

- Wells
 - Parcels
 - - - CSSA Boundary
 - Salado Creek
 - Faults
- TCE Concentrations (µg/L)**
- Estimated Plume Boundary Based on Historical Data
 - 0.2
 - 1.00
 - 10.00
 - 100.00



CS-MW16-CC was not sampled due to an electricity outage



0 2,000 4,000 Feet

- Wells
- Parcels
- CSSA Boundary
- Salado Creek
- Faults
- cis-1,2-DCE Concentrations (µg/L)
Based on Historical Data
- 0.2
- 1.00
- 10.00
- 100.00

Figure 6.7

cis-1,2-DCE Concentrations for
CC Wells, September 2005



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 September 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 September 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-MW18-LGR, CS-MW1-LGR, CS-MW1-CC, CS-MW2-LGR, CS-MW2-CC, CS-MW12-LGR, CS-MW12-CC, CS-MW17-LGR, CS-MW19-LGR, 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 September 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 39 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. Well CS-MW16-CC was not sampled due to electrical outage.	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																														
	<p>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.</p>	<p>Groundwater samples were collected from wells: CS-1, CS-2, CS-4, CS-9, CS-10, CS-11, CS-MW16-LGR, 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. 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:</p>	<p>Yes.</p>	<p>Continue sampling.</p>																														
		<table border="1"> <thead> <tr> <th data-bbox="617 922 827 943">ANALYTE</th> <th data-bbox="842 922 953 943">RL (UG/L)</th> <th data-bbox="989 922 1129 943">MCL (UG/L)</th> </tr> </thead> <tbody> <tr> <td data-bbox="617 948 722 969">Chloroform</td> <td data-bbox="842 948 877 969">0.4</td> <td data-bbox="989 948 1037 969">100</td> </tr> <tr> <td data-bbox="617 974 758 995">Chloromethane</td> <td data-bbox="842 974 877 995">1.3</td> <td data-bbox="989 974 1010 995">--</td> </tr> <tr> <td data-bbox="617 1000 827 1021">Dibromochloromethane</td> <td data-bbox="842 1000 877 1021">0.5</td> <td data-bbox="989 1000 1037 1021">100</td> </tr> <tr> <td data-bbox="617 1026 701 1047">1,1-DCE</td> <td data-bbox="842 1026 877 1047">1.2</td> <td data-bbox="989 1026 1010 1047">7</td> </tr> <tr> <td data-bbox="617 1052 737 1073"><i>cis</i>-1,2-DCE</td> <td data-bbox="842 1052 877 1073">1.2</td> <td data-bbox="989 1052 1024 1073">70</td> </tr> <tr> <td data-bbox="617 1078 751 1099"><i>trans</i>-1,2-DCE</td> <td data-bbox="842 1078 877 1099">0.6</td> <td data-bbox="989 1078 1037 1099">100</td> </tr> <tr> <td data-bbox="617 1104 793 1125">Methylene Chloride</td> <td data-bbox="842 1104 863 1125">2</td> <td data-bbox="989 1104 1010 1125">5</td> </tr> <tr> <td data-bbox="617 1130 659 1151">PCE</td> <td data-bbox="842 1130 877 1151">1.4</td> <td data-bbox="989 1130 1010 1151">5</td> </tr> <tr> <td data-bbox="617 1156 659 1177">TCE</td> <td data-bbox="842 1156 877 1177">1.0</td> <td data-bbox="989 1156 1010 1177">5</td> </tr> </tbody> </table>	ANALYTE	RL (UG/L)	MCL (UG/L)	Chloroform	0.4	100	Chloromethane	1.3	--	Dibromochloromethane	0.5	100	1,1-DCE	1.2	7	<i>cis</i> -1,2-DCE	1.2	70	<i>trans</i> -1,2-DCE	0.6	100	Methylene Chloride	2	5	PCE	1.4	5	TCE	1.0	5		
ANALYTE	RL (UG/L)	MCL (UG/L)																																
Chloroform	0.4	100																																
Chloromethane	1.3	--																																
Dibromochloromethane	0.5	100																																
1,1-DCE	1.2	7																																
<i>cis</i> -1,2-DCE	1.2	70																																
<i>trans</i> -1,2-DCE	0.6	100																																
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PCE	1.4	5																																
TCE	1.0	5																																

Activity	Objectives	Action	Objective Attained?	Recommendations																														
		<table border="1"> <thead> <tr> <th data-bbox="617 250 800 274">ANALYTE</th> <th data-bbox="800 250 982 274">RL (UG/L)</th> <th data-bbox="982 250 1131 274">MCL (UG/L)</th> </tr> </thead> <tbody> <tr> <td data-bbox="617 282 716 306">Barium</td> <td data-bbox="800 282 821 306">5</td> <td data-bbox="982 282 1052 306">2000</td> </tr> <tr> <td data-bbox="617 315 716 339">Chromium</td> <td data-bbox="800 315 821 339">10</td> <td data-bbox="982 315 1024 339">100</td> </tr> <tr> <td data-bbox="617 347 680 371">Copper</td> <td data-bbox="800 347 821 371">10</td> <td data-bbox="982 347 1052 371">1300</td> </tr> <tr> <td data-bbox="617 380 680 404">Nickel</td> <td data-bbox="800 380 821 404">10</td> <td data-bbox="982 380 1024 404">100</td> </tr> <tr> <td data-bbox="617 412 659 436">Zinc</td> <td data-bbox="800 412 821 436">10</td> <td data-bbox="982 412 1052 436">11000</td> </tr> <tr> <td data-bbox="617 444 680 469">Arsenic</td> <td data-bbox="800 444 821 469">5</td> <td data-bbox="982 444 1024 469">50</td> </tr> <tr> <td data-bbox="617 477 701 501">Cadmium</td> <td data-bbox="800 477 821 501">1</td> <td data-bbox="982 477 1003 501">3</td> </tr> <tr> <td data-bbox="617 509 659 534">Lead</td> <td data-bbox="800 509 821 534">2</td> <td data-bbox="982 509 1024 534">15</td> </tr> <tr> <td data-bbox="617 542 680 566">Mercury</td> <td data-bbox="800 542 821 566">1</td> <td data-bbox="982 542 1003 566">2</td> </tr> </tbody> </table>	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		
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																														
		<p>All data flagged with a "U," "J," and "F" are usable for characterizing contamination. All "R" flagged data are considered unusable.</p> <p>Previously, an MDL study for arsenic, cadmium, and lead was not performed within a year of the analyses, as required by the AFCEE QAPP.</p>	<p>Yes.</p> <p>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.</p>	<p>NA</p> <p>Use results for groundwater characterization purposes.</p>																														

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,
SEPTEMBER 2005**

Appendix B-1
September 2005 Quarterly On-Post Groundwater Monitoring Analytical Results

Sample ID Sample Date Sample Type Matrix	CS-1 09/08/05 N WG				CS-10 09/08/05 N WG				CS-9 09/08/05 N WG			
	Result	Flag	SQL	DL	Result	Flag	SQL	DL	Result	Flag	SQL	DL
<i>Method</i>												
Analyte (ug/L)												
SW6010B												
Barium	39.0		0.7	1	40.0		0.7	1	39.0		0.7	1
Chromium	2.6 U		2.6	1	2.6 U		2.6	1	2.6 U		2.6	1
Copper	10.0		4.5	1	6.4 F		4.5	1	12.0		4.5	1
Nickel	1.2 U		1.2	1	1.2		1.2	1	1.2 U		1.2	1
Zinc	420.0		4.5	1	38.0 F		4.5	1	62.0		4.5	1
SW6020												
Arsenic	0.69 F		0.21	1	0.57 F		0.21	1	0.42 F		0.21	1
Cadmium	0.04 U		0.04	1	0.04 U		0.04	1	0.04 U		0.04	1
Lead	9.1		0.09	1	1.1 F		0.09	1	1.1 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	0.4		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		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	0.39 F		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

This tables presents 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-2
September 2005 Quarterly On-Post Groundwater Monitoring Analytical Results

Sample ID Sample Date Sample Type Matrix	CS-MW1-BS 09/14/05 N WG				CS-MW1-CC 09/14/05 N WG				CS-MW1-LGR 09/14/05 FD WG				CS-MW1-LGR 09/14/05 N WG				CS-MW18-LGR 09/09/05 FD WG				CS-MW18-LGR 09/09/05 N WG				CS-MW19-LGR 09/09/05 N WG				CS-MW2-CC 09/07/05 N WG				CS-MW2-LGR 09/07/05 N WG				CS-MW3-LGR 09/13/05 N WG				CS-MW4-LGR 09/07/05 N WG											
	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								
<i>Method</i>																																																				
<i>Analyte (ug/L)</i>																																																				
<i>SW8260B</i>																																																				
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	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	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	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	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	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	0.17	U	0.17	1				
Dichloroethene, cis-1,2-	0.2	U	0.2	1	0.2	U	0.2	1	18.0		0.2	1	17.0		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	3.3		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	0.21	F	0.16	1	0.21	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	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	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	U	0.17	1	0.17	U	0.17	1	11.0		0.17	1	12.0		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												
Toluene	0.34	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	2.7		0.17	1	0.33	F	0.17	1	0.17	U	0.17	1												
Trichloroethene	0.16	U	0.16	1	0.16	U	0.16	1	25.0		0.16	1	26.0		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												
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												

Sample ID Sample Date Sample Type Matrix	CS-MW5-LGR 09/08/05 N WG				CS-MW6-BS 09/12/05 N WG				CS-MW6-CC 09/12/05 N WG				CS-MW6-LGR 09/12/05 N WG				CS-MW7-CC 09/12/05 N WG				CS-MW7-LGR 09/12/05 N WG				CS-MW8-CC 09/12/05 N WG				CS-MW8-LGR 09/12/05 N WG				CS-MW9-BS 09/13/05 N WG				CS-MW9-CC 09/13/05 N WG				CS-MW9-LGR 09/13/05 N WG											
	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								
<i>Method</i>																																																				
<i>Analyte (ug/L)</i>																																																				
<i>SW8260B</i>																																																				
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	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	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-	1.4		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								
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												
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												
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	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1	0.23	U	0.23	1												
Tetrachloroethene	0.83	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	0.29	F	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	0.17	U	0.17	1												
Trichloroethene	1.2		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												
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												

Sample ID Sample Date Sample Type Matrix	CS-MWG-LGR 09/13/05 FD WG				CS-MWG-LGR 09/13/05 N WG				CS-MWH-LGR 09/06/05 N WG				CS-11 09/08/05 N WG				CS-2 09/09/05 N WG				CS-4 09/08/05 N WG				CS-D 09/07/05 N WG				CS-I 09/06/05 N WG				CS-MW10-CC 09/15/05 N WG				CS-MW10-LGR 09/15/05 N WG				CS-MW11A-LGR 09/15/05 N WG			
	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
<i>Method</i>																																												
<i>Analyte (ug/L)</i>																																												
<i>SW8260B</i>																																												
Bromodichloromethane	0.19	U	0.19	1	0.19	U	0.19	1	0.19	U	0.19	1	0.																															

Appendix B-2
September 2005 Quarterly On-Post Groundwater Monitoring Analytical Results

Sample ID	CS-MW11B-LGR				CS-MW12-B5				CS-MW12-CC				CS-MW12-LGR				CS-MW16-LGR				CS-MW16-LGR				CS-MW17-LGR											
Sample Date	09/15/05				09/07/05				09/07/05				09/07/05				09/08/05				09/08/05				09/13/05											
Sample Type	N				N				N				N				FD				N				N											
Matrix	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				
5WS260B																																				
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	
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	
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	
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	
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	
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	
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		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	
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	
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 U	0.23	1		0.23 U	0.23	1		0.23 U	0.23	1	
Tetrachloroethene	1.5	0.17	1		0.17 U	0.17	1		0.17 U	0.17	1		0.17 U	0.17	1		7.5	0.17	1		7.6	0.17	1		0.3 F	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		0.19 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	
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		7.0	0.16	1		7.0	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		0.31 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		0.21 U	0.21	1		0.21 U	0.21	1	

This table presents 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	Sample Date	Bromo-dichloro- methane *	Bromoform	Chloroform	Dibromo- chloro- methane *	Dichlorodi- fluorometh- ane	Dichloro- ethene, 1,1	Dichloro- ethene, cis - 1,2	Dichloro- ethene, trans - 1,2	Dichloro-methane (methylene chloride)	Naphthalene	Tetra- chloroethene	Toluene	Trichloroeth- ene	Vinyl chloride	
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	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	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	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	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	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	6/13/95	3U	NA	7	3U	NA	5U	4U	4U	4U	NA	5U	3U	2U	3U	
	Chemron	8/25/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA	
	Chemron	8/11/95	3U	NA	10	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA	
	Chemron	2/28/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA	
	ITS	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	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	11/6/98 ¹	NA	NA	0.4U	NA	NA	0.3U	0.2U	NA	NA	NA	0.4U	NA	0.22 F	NA	
	O'B&G	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	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	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	
<i>Duplicate</i>	O'B&G	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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		
<i>Duplicate</i>	STLD3L180116	12/16/2003	0.04U	0.1U	0.057F	0.03U	0.06U	0.03U	0.09U	0.2U	0.09U	0.089F	0.088F	0.5F	0.03U		
	STLD4C120341	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	
<i>Duplicate</i>	STLD4C120341	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	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	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	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	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	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	
	STL	09/08/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.39F	0.21U	
CS-1-NP	STLD3C250256	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	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	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	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	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	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	6/13/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	3U	2U	3U	
	Chemron	8/30/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA	
	Chemron	12/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA	
	<i>Duplicate</i>	Chemron	12/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	2/29/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA	
	ITS	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	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	11/6/98 ¹	NA	NA	0.4U	NA	NA	0.3U	0.2U	NA	NA	NA	0.43	NA	0.2U	NA	

**Appendix C
Groundwater VOC Analytical Results, 1991-2005**

Well Number	Laboratory	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	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	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
<i>Duplicate</i>	O'B&G	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	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
<i>Duplicate</i>	O'B&G	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	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	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
<i>Duplicate</i>	O'B&G	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	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	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	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	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	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	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	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
<i>Duplicate</i>	STL	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	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	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	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	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	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	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	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	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	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	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	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	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
<i>Duplicate</i>	STLD5F170398	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
	STL	09/09/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.25F	0.17U	0.16U	0.21U
CS-3	Parsons ES	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	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
<i>Duplicate</i>	Chemron	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	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	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	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	6/13/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	3U	2U	3U
<i>Duplicate</i>	Chemron	6/13/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	8/30/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
<i>Duplicate</i>	Chemron	8/30/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	12/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	2/27/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	ITS	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	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	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	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	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	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	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	6/13/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	3U	2U	3U
	Chemron	8/30/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	12/13/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	STLD3F240154	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	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	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	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	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

**Appendix C
Groundwater VOC Analytical Results, 1991-2005**

Well Number	Laboratory	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	STLD4I160216	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
	STLD4I160216	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	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	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
	STLD5C150315	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	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
	STL	09/08/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.93F	0.17U	1	0.21U
CS-6	Chemron	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	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	9/30/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	2.0U
	Chemron	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	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	6/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	3U	3U	3U
	Chemron	8/29/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	12/12/95	3U	NA	8	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	2/28/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	ITS	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
	STL	09/08/05	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-9-NP	STLD3C250256	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	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	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	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	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	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	6/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	3U	2U	3U
	Chemron	8/29/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	12/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	2/26/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA

**Appendix C
Groundwater VOC Analytical Results, 1991-2005**

Well Number	Laboratory	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)
	ITS	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	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	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	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	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	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	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	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
	O'B&G	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	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	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	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	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	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	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	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	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	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	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	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
	<i>Duplicate</i> STL	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	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	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	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	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	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	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	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
	STL	09/08/05	0.19U	0.2U	0.4	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	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
	<i>Duplicate</i> Chemron	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
	Chemron	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	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	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	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	6/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	3U	2U	3U
	Chemron	8/29/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	12/15/95	3U	NA	10	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	2/29/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	ITS	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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

**Appendix C
Groundwater VOC Analytical Results, 1991-2005**

Well Number	Laboratory	Sample Date	Bromo-dichloro- methane *	Bromoform	Chloroform	Dibromo- chloro- methane *	Dichlorodi- fluorometh- ane	Dichloro- ethene, 1,1	Dichloro- ethene, cis - 1,2	Dichloro- ethene, trans - 1,2	Dichloro-methane (methylene chloride)	Naphthalene	Tetra- chloroethene	Toluene	Trichloroeth- ene	Vinyl chloride
	STLD3I170358	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	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	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	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	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
<i>Duplicate</i>	STLD5C170385	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
	STLD5C170385	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	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
	STL	09/08/05	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-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
<i>Top of water</i>	Parsons ES	11/3/92	0.5U	NA	0.5U	0.5U	NA	0.5U	NA	0.5U	2.0U	NA	47	NA	53	5.0U
	Chemron	5/26/94	1.0U	NA	0.5U	0.9U	NA	1.0U	75	1.0U	1.0U	NA	75	NA	83	1.8U
<i>Bottom of well</i>	Chemron	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	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	12/19/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	1.0U	NA	25	NA	21	2.0U*
<i>Duplicate</i>	Chemron	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	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	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
<i>Duplicate</i>	Chemron	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	6/14/95	3U	NA	3U	3U	NA	5U	38	4U	4U	NA	39	3U	45	3U
	Chemron	8/30/95	3U	NA	3U	3U	NA	5U	72	4U	4U	NA	78	NA	83	NA
	Chemron	12/13/95	3U	NA	3U	3U	NA	5U	63	4U	4U	NA	64	NA	77	NA
	Chemron	2/29/96	3U	NA	3U	3U	NA	5U	152	4U	4U	NA	158	NA	175	NA
	ITS	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	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	11/6/98 ¹	NA	NA	0.4U	NA	NA	NA	212	1.61	NA	NA	204	NA	233	NA
	O'B&G	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	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	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	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	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
<i>Duplicate</i>	O'B&G	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	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
<i>Duplicate</i>	O'B&G	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	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	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	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	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	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	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	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	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	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	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	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
<i>Duplicate</i>	STLD3C250212	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	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	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
<i>Duplicate</i>	STLD3I190397	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	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	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	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	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	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

**Appendix C
Groundwater VOC Analytical Results, 1991-2005**

Well Number	Laboratory	Sample Date	Bromo-dichloro- methane *	Bromoform	Chloroform	Dibromo- chloro- methane *	Dichlorodi- fluorometh- ane	Dichloro- ethene, 1,1	Dichloro- ethene, cis - 1,2	Dichloro- ethene, trans - 1,2	Dichloro-methane (methylene chloride)	Naphthalene	Tetra- chloroethene	Toluene	Trichloroeth- ene	Vinyl chloride	
<i>Duplicate</i>	STLD5C090399	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	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	
	STL	09/08/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	5.2	0.16U	0.17U	0.23U	7.6	0.17U	7	0.21U	
	STL	09/08/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	5.1	0.16U	0.17U	0.23U	7.5	0.17U	7	0.21U	
CS-MW16-CC	STLD3I170355	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	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	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	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	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	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	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		
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	
	<i>Bottom of well</i>	Parsons ES	11/3/92	0.5U	NA	0.5U	0.5U	NA	NA	0.5U	4.7	NA	8.9	NA	15	5.0U	
	<i>Top of water</i>	Parsons ES	11/3/92	0.5U	NA	0.5U	0.5U	NA	NA	0.5U	5.9	NA	8.6	NA	15	5.0U	
	<i>Duplicate</i>	Chemron	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	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	12/19/94	1.0U	NA	1.0U	1.0U	NA	1.0U	NA	1.0U	1.0U	NA	99	NA	130	2.0U*
		Chemron	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	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	6/14/95	3U	NA	3U	3U	NA	5U	120	4U	4U	NA	64	3U	99	3U
		Chemron	8/30/95	3U	NA	3U	3U	NA	5U	86	4U	4U	NA	80	NA	88	NA
		Chemron	12/12/95	3U	NA	3U	3U	NA	5U	130	4U	4U	NA	110	NA	150	NA
		Chemron	2/29/96	3U	NA	3U	3U	NA	5U	81	4U	4U	NA	72	NA	98	NA
		ITS	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	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	9/10/99	Water level bel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
O'B&G	12/14/99	Water level bel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
O'B&G	3/21/00**	Water level bel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
O'B&G	6/12/00**	Water level bel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
O'B&G	9/13/00**	Water level bel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
O'B&G	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	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	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	6/13/2001	NA	NA	NA	NA	NA	NA	130.0	NA	NA	NA	110.0	NA	140.0	NA		
AP22209	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	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		
AP26532/AP26528	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	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	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	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	12/12/2002	0.04U	NA	0.2F	0.03U	NA	0.091F	230	1	0.2U	NA	180	NA	250	0.03U		
<i>Duplicate</i>	STL	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	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		
<i>Duplicate</i>	STLD3C250212	3/20/2003	0.04U	0.1U	0.2F	0.03U	0.06U	0.084F	250	12J	0.2U	0.09U	180.0	2.7J	260.0	0.03U	
STLD3F200337	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	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	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	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	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		
<i>Duplicate</i>	STLD4F170404	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	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		
<i>Duplicate</i>	STLD4I090263	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	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	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	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		
STL	09/07/05	0.19U	0.2U	0.23F	0.19U	0.19U	0.17U	260	1.3	0.17U	0.23U	180	0.17U	250	0.21U		

**Appendix C
Groundwater VOC Analytical Results, 1991-2005**

Well Number	Laboratory	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-MWG-LGR	Parsons ES	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	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	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	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	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	6/14/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	3U	2U	3U
	Chemron	8/29/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	12./12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	2/28/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	ITS	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	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
Well Upgraded	O'B&G	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	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	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
	AP26733	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	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	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	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	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	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	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
<i>Duplicate</i>	STLD3I190397	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	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
	STLD3L100321	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	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	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	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	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	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	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
	STL	09/13/05	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
<i>Duplicate</i>	STL	09/13/05	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-MWH-LGR	Parsons ES	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	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	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	12/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	2/28/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	ITS	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	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
Well Upgraded	AP18433	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	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	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	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	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
	STLD3C240193	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	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	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	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	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	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	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	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	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	
STL	09/06/05	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	

**Appendix C
Groundwater VOC Analytical Results, 1991-2005**

Well Number	Laboratory	Sample Date	Bromo-dichloro-methane * (ug/L)	Bromoform (ug/L)	Chloroform (ug/L)	Dibromo-chloro-methane * (ug/L)	Dichlorodi-fluoromethane (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)	Trichloroethene (ug/L)	Vinyl chloride (ug/L)	
CS-I	Parsons ES	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	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	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	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	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	
	<i>Duplicate</i>	Chemron	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	6/14/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	3U	2U	3U	
	<i>Duplicate</i>	Chemron	6/14/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA
	Chemron	8/29/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA	
	Chemron	12/12/95	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA	
Chemron	3/1/96	3U	NA	3U	3U	NA	5U	4U	4U	4U	NA	5U	NA	2U	NA		
ITS	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	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	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	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	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	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	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	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	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	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	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		
STL EWE0M1AL	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	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	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	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	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	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	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	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	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		
STL	09/06/05	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	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	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	
Well Upgraded	DHL	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	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	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	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	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	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	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	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	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	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	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	3/14/2002	0.11U	NA	0.11U	0.11U	NA	0.1U	26	0.15U	0.8U	NA	19	NA	30	0.14U	
	<i>Duplicate</i>	STL EWGMM2AL	3/14/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	27	1.6	0.2U	NA	16	NA	29	0.036U
	D2I110315	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	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	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	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	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	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	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	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	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	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		

**Appendix C
Groundwater VOC Analytical Results, 1991-2005**

Well Number	Laboratory	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)
<i>Duplicate</i>	STLD4L010327	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	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	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
	STL	09/14/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	17	0.21F	0.17U	0.23U	12	0.17U	26	0.21U
	STL	09/14/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	18	0.21F	0.17U	0.23U	11	0.17U	25	0.21U
CS-MW1-BS	STLD3C260199	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	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	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	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	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	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
	<i>Duplicate</i> STL	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	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	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	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	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
	STL	09/14/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.34F	0.16U	0.21U
	CS-MW1-CC	STLD3C260199	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
STLD3F180197		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		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		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
<i>Duplicate</i> STL		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		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		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		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		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		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		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
STL		09/14/05	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-MW2-LGR		ITS	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
	ITS	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
<i>Duplicate</i>	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	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
	<i>Duplicate</i> O'B&G	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	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
	<i>Duplicate</i> O'B&G	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	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	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
	<i>Duplicate</i> O'B&G	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	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
	<i>Duplicate</i> O'B&G	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	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
	<i>Duplicate</i> O'B&G	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	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	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	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
	<i>Duplicate</i> AP26364/AP26370	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	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	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	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	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	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	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	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	

**Appendix C
Groundwater VOC Analytical Results, 1991-2005**

Well Number	Laboratory	Sample Date	Bromo-dichloro- methane *	Bromoform	Chloroform	Dibromo- chloro- methane *	Dichlorodi- fluorometh- ane	Dichloro- ethene, 1,1	Dichloro- ethene, cis - 1,2	Dichloro- ethene, trans - 1,2	Dichloro-methane (methylene chloride)	Naphthalene	Tetra- chloroethene	Toluene (ug/L)	Trichloroeth- ene (ug/L)	Vinyl chloride (ug/L)
	STLD4C100292	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	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	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	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	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	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
	STL	09/07/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	3.3	0.16U	0.17U	0.23U	0.17U	0.33F	0.16U	0.21U
CS-MW2-CC	STLD3F180197	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	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	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	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
<i>Duplicate</i>	STLD4C100292	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	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	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	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	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	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
	STL	09/07/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	2.7	0.16U	0.21U
CS-MW3-LGR	AP18445	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	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	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
<i>Duplicate</i>	AP26644/AP26641	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	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	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	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	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	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	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	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	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
<i>Duplicate</i>	STLD4C170386	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	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	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
	STLD4L010327	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	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	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
	STL	09/13/05	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-MW4-LGR	AP18446	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
<i>Duplicate</i>	AP18447	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
<i>Duplicate</i>	STLD5C110416	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	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
	STL	09/07/05	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

**Appendix C
Groundwater VOC Analytical Results, 1991-2005**

Well Number	Laboratory	Sample Date	Bromo-dichloro- methane *	Bromoform	Chloroform	Dibromo- chloro- methane *	Dichlorodi- fluorometh- ane	Dichloro- ethene, 1,1	Dichloro- ethene, cis - 1,2	Dichloro- ethene, trans - 1,2	Dichloro-methane (methylene chloride)	Naphthalene	Tetra- chloroethene	Toluene	Trichloroeth- ene	Vinyl chloride	
			(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	
CS-MW5-LGR	AP18448	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	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	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	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	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	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	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	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	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	NA	2.6	0.03U
		STLD3I190397	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	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	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	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	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	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	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	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	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	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
		STL	09/08/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	1.4	0.16U	0.17U	0.23U	0.83F	0.17U	1.2	0.21U
CS-MW6-LGR	AP18328	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
	STL	09/12/05	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-MW6-BS	AP18329	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	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	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	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	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	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	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	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	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	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	9/16/2003	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
		STLD3L120400	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	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	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	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	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	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	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	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	
	STL	09/12/05	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	Sample Date	Bromo-dichloro- methane *	Bromoform	Chloroform	Dibromo- chloro- methane *	Dichlorodi- fluorometh- ane	Dichloro- ethene, 1,1	Dichloro- ethene, cis- 1,2	Dichloro- ethene, trans- 1,2	Dichloro-methane (methylene chloride)	Naphthalene	Tetra- chloroethene	Toluene	Trichloroeth- ene	Vinyl chloride	
CS-MW6-CC	AP18330	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
	STL	09/12/05	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-MW7-LGR	AP22218	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
	STL	09/12/05	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-MW7-CC	AP22215	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	
	STL	09/12/05	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	Sample Date	Bromo-dichloro- methane *	Bromoform	Chloroform	Dibromo- chloro- methane *	Dichlorodi- fluorometh- ane	Dichloro- ethene, 1,1	Dichloro- ethene, cis - 1,2	Dichloro- ethene, trans - 1,2	Dichloro-methane (methylene chloride)	Naphthalene	Tetra- chloroethene	Toluene	Trichloroeth- ene	Vinyl chloride	
CS-MW8-LGR	AP18435	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	0.18F	0.18U	
	AP22227	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	
	<i>Duplicate</i>	AP22228	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
		AP26448/AP26440	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 EWCKN1AL	3/12/2002	0.027U	NA	0.027U	0.028U	NA	0.026U	0.093U	0.038U	0.53F	NA	0.036U	NA	0.057F	0.036U
		STL	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	9/10/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
	<i>Duplicate</i>	STL	9/10/2002	0.04U	NA	0.05U	0.03U	NA	0.03U	0.09U	0.04U	0.2U	NA	0.05U	NA	0.03U	0.03U
		STL	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	3/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.21F	0.04U	0.2U	0.09U	0.06F	2.9B	0.032F	0.03U
		STLD3F190360	6/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.06F	0.06U	0.03U	0.03U
		STLD3I190397	9/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.38F	0.09U	0.071F	0.06U	0.03U	0.03U
		STLD3L130180	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	3/12/2004	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.31M	0.09U	0.059F	0.06U	0.03U	0.03U
		STLD4F220238	06/21/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.059F	0.06U	0.03U	0.03U
	<i>Duplicate</i>	STLD4F220238	06/21/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.057F	0.06U	0.03U	0.03U
		STLD4I160216	09/13/04	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.39F	0.09U	0.051F	0.1F	0.03U	0.03U
		STLD4L080442	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	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	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
	STL	09/12/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.7F	0.17U	0.16U	0.21U	
CS-MW8-CC	AP18444	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
		STL	09/12/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.29F	0.17U	0.16U	0.21U
	CS-MW9-LGR	AP18439	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
		<i>Duplicate</i>	AP18440	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
		AP22203	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	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	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
<i>Duplicate</i>		STL EWEOF1AL	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	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	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	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
<i>Duplicate</i>		STL	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	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	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	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	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	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	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	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	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	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	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	Sample Date	Bromo-dichloro- methane *	Bromoform	Chloroform	Dibromo- chloro- methane *	Dichlorodi- fluorometh- ane	Dichloro- ethene, 1,1	Dichloro- ethene, cis- 1,2	Dichloro- ethene, trans- 1,2	Dichloro-methane (methylene chloride)	Naphthalene	Tetra- chloroethene	Toluene	Trichloroeth- ene	Vinyl chloride	
CS-MW9-BS	STL	09/13/05	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	
	AP18441	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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		
STL	09/13/05	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-MW9-CC	AP18442	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	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	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	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	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	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	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	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	3/17/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.04U	0.2U	0.09U	0.05U	0.69F	0.03U	0.03U	
	Duplicate	STLD3F210180	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	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	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	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	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	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	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	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	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	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		
STL	09/13/05	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-MW10-LGR	AP26450/AP26442	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	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	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	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	
	Duplicate	STL	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	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	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	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	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	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	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	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	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	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	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	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	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	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		
STL	09/15/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	2.3	0.17U	0.46F	0.21U		

**Appendix C
Groundwater VOC Analytical Results, 1991-2005**

Well Number	Laboratory	Sample Date	Bromo-dichloro- methane *	Bromoform	Chloroform	Dibromo- chloro- methane *	Dichlorodi- fluorometh- ane	Dichloro- ethene, 1,1	Dichloro- ethene, cis- 1,2	Dichloro- ethene, trans- 1,2	Dichloro-methane (methylene chloride)	Naphthalene	Tetra- chloroethene	Toluene	Trichloroeth- ene	Vinyl chloride	
CS-MW10-CC	AP26451/AP26443	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	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	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	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	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	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	6/18/2003	0.04U	0.1U	0.05U	0.03U	0.06U	0.03U	0.09U	0.04U	0.2U	0.09U	0.09U	0.05U	0.06U	0.03U	
	STLD3I260150	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	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	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	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	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	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	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	12/06/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C090399	3/8/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
STLD5F170398	06/09/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	0.17U	0.17U	0.16U	0.21U	
STL	09/15/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U	
CS-MW11A-LGR	STLD3F180197	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	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	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	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	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	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	12/06/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.32F	0.17U	0.16U	0.21U
	Duplicate	STLD4L080442	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	3/10/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.28F	0.17U	0.16U	0.21U
	STLD5F170398	06/16/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23M	0.26F	0.17U	0.16U	0.21U
STL	09/15/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.29F	0.17U	0.16U	0.21U	
CS-MW11B-LGR	STLD3F180197	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	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	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	12/06/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	1.1F	0.17U	0.16U	0.21U
	STLD5C110416	3/9/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	1.2F	0.17U	0.16U	0.21U
	STLD5F170398	06/14/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	1.4	0.17U	0.16U	0.21U
STL	09/15/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	1.5	0.17U	0.16U	0.21U	
CS-MW12-LGR	STL	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	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	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	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	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	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	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	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	12/07/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5C090399	3/7/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
	STLD5F170398	06/14/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.21U
STL	09/07/05	0.19U	0.2U	0.15U	0.19U	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	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	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	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	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	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	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	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	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	12/07/04	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.32F
	STLD5C090399	3/7/2005	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.3F
	STLD5F170398	06/14/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.17U	0.16U	0.25F

**Appendix C
Groundwater VOC Analytical Results, 1991-2005**

Well Number	Laboratory	Sample Date	Bromo-dichloro- methane *	Bromoform	Chloroform	Dibromo- chloro- methane *	Dichlorodi- fluorometh- ane	Dichloro- ethene, 1,1	Dichloro- ethene, cis- 1,2	Dichloro- ethene, trans- 1,2	Dichloro-methane (methylene chloride)	Naphthalene	Tetra- chloroethene	Toluene	Trichloroeth- ene	Vinyl chloride
	STL	09/07/05	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	0.31F
CS-MW12-CC	STL	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
<i>Duplicate</i>	STL	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	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	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	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	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	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	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	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	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	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	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
	STL	09/07/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.17U	0.19F	0.16U	0.21U
CS-MW17-LGR	STL	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	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	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	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
<i>Duplicate</i>	STLD3F240154	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	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	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
<i>Duplicate</i>	STLD3L180113	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	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	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	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	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	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	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
	STL	09/13/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.3F	0.17U	0.16U	0.21U
CS-MW18-LGR	STL	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	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	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	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	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	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	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	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	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
<i>Duplicate</i>	STLD4I110116	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	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
<i>Duplicate</i>	STLD4L080442	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	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	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
	STL	09/09/05	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
<i>Duplicate</i>	STL	09/09/05	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	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	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	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	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	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	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	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	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	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	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	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	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
<i>Duplicate</i>	STLD5F170398	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

**Appendix C
Groundwater VOC Analytical Results, 1991-2005**

Well Number	Laboratory	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	09/09/05	0.19U	0.2U	0.15U	0.19U	0.19U	0.17U	0.2U	0.16U	0.17U	0.23U	0.41F	0.17U	0.16U	0.21U
Comparison Criteria		MCL	80***	80***	80***	80***		7	70	100	5		5	1000	5	2
		GW-INA	100		100	100		7	70	100	5		5	1000	5	2
	Chemron ²	PQL	3		3	3		5	4	4	4		5		2	
	Chemron	MDL	MDLs not provided by laboratory													
	ITS	PQL	0.8		0.30	0.50		0.40	1.20	0.60	0.30		1.40	--	1.00	--
	ITS	MDL	0.130		0.110	0.100		0.230	0.200	0.330	0.230		0.470	--	0.340	--
	DHL	PQL	NA		1.0	NA		NA	1.0	1.0	NA		1.0	--	1.0	--
	DHL	MDL	NA		0.4	NA		NA	0.3	0.2	NA		0.4	--	0.2	--
	O'B&G	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	MDL	0.011		0.011	0.012		0.025	0.062	0.077	0.03		0.008	0.017	0.01	0.013
	APPL	RL	0.8		0.3	0.5		1.2	1.2	0.6	1.0		1.4	1.1	1.0	1.1
	APPL	MDL	0.011		0.15	0.15		0.23	0.25	0.26	0.36		0.16	0.07	0.16	0.18
	APPL	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	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	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	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 indicate 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.