

Table 8-5
General Minerals, Water Quality, and Natural Attenuation Parameters in Ground Water
Hookston Station Remedial Investigation
Pleasant Hill, California

Sample Location	Date	Sample Depth	Analytical Laboratory	Preparation Fraction	TDS (mg/L) MCAWW 160.1	ALKALINITY, TOTAL AS CAC03 (mg/L) MCAWW 310.1	CHLORIDE (mg/L) MCAWW 300.0	BORON (mg/L) SW846 6020	CALCIUM (mg/L) SW846 6010B	HARDNESS (mg/L) SM18 2340B	POTASSIUM (mg/L) SW846 6010B	SODIUM (mg/L) SW846 6010B	MAGNESIUM (mg/L) SW846 6010B	TOC (mg/L) MCAWW 415.1	IRON (mg/L) SW846 6010B	MANGANESE (mg/L) SW846 6010B	NITRATE, NITROGEN (mg/L) MCAWW 300.0	SULFATE (mg/L) MCAWW 300.0	CARBON DIOXIDE (mg/L) RSK 175	ETHANE (µg/L) RSK 175	ETHENE (µg/L) RSK 175	METHANE (mg/L) RSK 175									
MW-01	3/12/2001	10-20	CTBERK	Total	860	450	130	NS	NS	NS	NS	NS	NS	NS	14	0.19	2.6	150	57.7	d	< 0.5	u	< 1	u	< 0.5	u					
MW-01	6/27/2001	10-20	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	0.02	NS	NS	NS	< 0.5	u	< 1	u	< 0.5	u					
MW-01	9/20/2001	10-20	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	0.039	NS	NS	NS	NS	NS	NS	NS	NS	NS					
MW-01	4/20/2004	10-20	STL Sac	Total	NS	553	72.2	q	4.0	139	746	10.4	147	97.0	3.6	NS	1.5	135	q	NS	NS	NS	NS	NS	NS	NS					
MW-01D	3/13/2001	45-60	CTBERK	Total	1120	530	210	NS	NS	NS	NS	NS	NS	NS	< 100	u	< 10	u	1.7	170	39.9	d	21	d	< 1	u	0.0038	d			
MW-01D	6/27/2001	45-60	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	< 10	u	NS	NS	NS	NS	NS	NS	NS	NS	NS				
MW-01D	9/19/2001	45-60	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	< 10	u	NS	NS	NS	NS	NS	NS	NS	NS	NS				
MW-08B (previously MW-01D)	4/20/2004	45-60	STL Sac	Total	NS	64.8	62.4	q	0.20	46.8	198	2.3	12.3	19.7	0.064	b	0.0042	b	0.52	22.8	q	0.68	NS	NS	NS	0.001	U				
MW-08B dup (previously MW-01D)	4/20/2004	45-60	STL Sac	Total	NS	67.0	61.8	q	0.17	45.4	195	2.3	10.4	19.9	0.074	b	0.0065	b	0.54	22.2	q	0.65	NS	NS	NS	0.0011	U				
MW-02D	3/12/2001	50.5-60.5	CTBERK	Total	710	420	100	NS	NS	NS	NS	NS	NS	NS	< 100	u	< 10	u	1.5	59	1000	u	< 0.5	u	< 1	u	0.0005	d			
MW-02D	6/27/2001	50.5-60.5	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	< 10	u	NS	NS	NS	NS	NS	NS	NS	NS	NS				
MW-02D	9/19/2001	50.5-60.5	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	< 10	u	NS	NS	NS	NS	NS	NS	NS	NS	NS				
MW-09B (previously MW-02D)	4/27/2004	50.5-60.5	STL Sac	Total	NS	369	110	Qj	2.6	j	131	507	4.8	115	j	43.4	2.0	NS	NS	0.97	< 10	uq	NS	NS	NS	NS	NS				
MW-03	3/13/2001	10-20	CTBERK	Total	1360	690	190	NS	NS	NS	NS	NS	NS	NS	< 100	u	< 10	u	4.4	230	131	d	< 0.5	u	< 1	u	< 0.5	u			
MW-03	6/27/2001	10-20	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	0.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS				
MW-03	9/20/2001	10-20	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	0.016	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS				
MW-03	4/20/2004	10-20	STL Sac	Total	NS	719	177	q	3.6	331	1720	21.4	185	217	4.0	0.27	0.0072	2.2	q	190	q	82	NS	NS	NS	0.001	U				
MW-03D	3/13/2001	40-50	CTBERK	Total	1230	580	220	NS	NS	NS	NS	NS	NS	NS	< 100	u	0.16	180	69.2	d	< 0.5	u	< 1	u	0.0011	d					
MW-03D	6/27/2001	40-50	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	0.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS				
MW-03D	9/19/2001	40-50	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	0.064	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS				
MW-10B (previously MW-03D)	4/26/2004	40-50	STL Sac	Total	NS	153	29.2	q	0.49	39.0	155	53.5	j	14.0	17.2	NS	NS	4.0	qj	33.8	QjJ	NS	NS	NS	NS	NS	NS				
MW-10B dup (previously MW-03D)	4/26/2004	40-50	STL Sac	Total	NS	160	31.5	q	0.41	36.9	143	49.6	j	12.4	16.7	NS	NS	4.1	qj	35.0	QjJ	NS	NS	NS	NS	NS	NS				
MW-04	3/12/2001	11-21	CTBERK	Total	1420	720	170	NS	NS	NS	NS	NS	NS	NS	3.3	1.8	1.8	180	163	d	< 0.5	u	< 1	u	0.34	d					
MW-04	6/27/2001	11-21	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.12	1.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS				
MW-04	9/20/2001	11-21	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	1.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS				
MW-04	4/21/2004	11-21	STL Sac	Total	NS	737	212	q	3.7	NS	J	893	9.0	235	j	116	4.4	NS	NS	1.6	184	q	NS	NS	NS	NS	NS				
MW-04 Duplicate	4/21/2004	11-21	STL Sac	Total	NS	750	218	q	3.7	162	J	863	8.4	228	j	111	4.8	NS	NS	1.5	183	q	NS	NS	NS	NS	NS				
MW-05	3/12/2001	10-30	CTBERK	Total	1480	640	160	NS	NS	NS	NS	NS	NS	NS	9.2	0.28	2.5	210	126	d	< 0.5	u	< 1	u	< 0.5	u					
MW-05	6/27/2001	10-30	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	0.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS				
MW-05	9/20/2001	10-30	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	0.33	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS				
MW-05	4/20/2004	10-30	STL Sac	Total	NS	785	129	q	4.4	NS	202	785	8.9	221	124	3.0	NS	NS	2.4	q	235	q	NS	NS	NS	NS	NS				
MW-06	3/13/2001	15-35	CTBERK	Total	1420	710	210	NS	NS	NS	NS	NS	NS	NS	< 100	u	0.27	5.9	260	114	d	< 0.5	u	< 1	u	< 0.5	u				
MW-06	6/27/2001	15-35	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	0.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS				
MW-06	9/20/2001	15-35	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	0.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS				
MW-06	4/20/2004	15-35	STL Sac	Total	NS	783	197	q	3.1	211	1020	6.3	215	119	3.2	NS	NS	2.5	q	251	q	NS	NS	NS	NS	NS	NS				
MW-07	3/13/2001	15-35	CTBERK	Total	1370	700	200	NS	NS	NS	NS	NS	NS	NS	< 100	u	< 10	u	1.8	260	106	d	< 0.5	u	< 1	u	< 0.5	u			
MW-07	6/27/2001	15-35	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	0.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS				
MW-07	9/20/2001	15-35	CTBERK	Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 100	u	0.029	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS				
MW-07	4/20/2004	15-35	STL Sac	Total	NS	751	155	q	4.8	174	874	3.7	220	107	2.6	NS	NS	0.83	262	q	NS	NS	NS	NS	NS	NS	NS				
MW-08A	4/21/2004	10-25	STL Sac	Total	NS	786	195	q	4.9	g	178	J	869	1.5	240	j	103	3.0	0.06	b	0.095	1.7	289	q	110	NS	NS	0.001	U		
MW-11A	4/27/2004	10-25	STL Sac	Total	NS	743	158	qj	3.6	j	157	746	2.0	214	j	85.6	3.6	0.36	0.12	< 0.5	u	198	qj	97	NS	NS	0.03	b			
MW-11B	4/27/2004	40-50	STL Sac	Total	NS	536	347	qj	3.1	j	138	672	1.3	190	j	79.1	2.0	0.093	b	2.5	< 0.5	u	124	qj	61	NS	NS	0.0012	bU		
MW-12A	4/27/2004	10-25	STL Sac	Total	NS	601	109	qj	2.5	j	145	667	2.2	144	j	74.1	2.4	< 0.1	u	0.077	5.2	q	171	qj	88	NS	NS	< 0.001	u		
MW-12B	4/27/2004	50-60	STL Sac	Total	NS	498	277	qj	3.8	j	124	602	1.3	182	j	71.0	2.4	0.11	1	< 0.5	u	82.6	qj	60	NS	NS	0.0011	bU			
MW-13A	4/21/2004	18-33	STL Sac	Total	NS	135	q	4.2	g	139	J	640	1.1	194	j	71.0	3.2	0.019	b	1	1.1	152	q	77	NS	NS	0.035	b			
MW-13B	4/22/2004	45-55	STL Sac	Total	NS	644	168	q	4.1	g	126	J	626	1.9	226	j	75.8	4.6	j	< 0.1	u	0.94	0.48	bj	198	q	57	NS	NS	0.024	bU
MW-14A	4/28/2004	29-34	STL Sac	Total	NS	462	223	qj	3.2	190	j	881	10.3	162	j	98.7	5.9	j	0.075	b	0.87	< 0.5	u	160	qj	25	NS	NS	0.0019	bU	
MW-14B	4/28/2004	40-50	STL Sac	Total	NS	382	180	qj	3.1	49.0	j	312	9.8	209	j	46.2	1.9	j	< 0.1	u	0.01	1.4	120	qj	4	NS	NS	0.0011	bU		
MW-15A	4/22/2004	14.5-24.5	STL Sac	Total	NS	781	228	q	3.4	g	212	J	1250	19.9	229	j	174	4.1	j	< 0.1	u	0.11	2.1	qj	227	q	110	NS	NS	0.011	bU
MW-15B	4/23/2004	49-59	STL Sac	Total	NS	538	216	q	3.7	g	116	J	535	5.7	239	j	59.7	14.8	j	< 0.1	u	0.17	0.56	J	162	q	35	NS	NS	0.0018	bU
MW-15C	4/22/2004	90-95	STL Sac	Total	NS	373	156	q	2.7	g	78.3	J	402	2.7	138	j	50.0	2.1	j	NS	NS	< 0.5	uR	61.7	q	NS	NS	NS	NS	NS	
MW-16A	4/27/2004	15-25	STL Sac	Total	NS	472	160	qj	3.0	j	222	877	12.5	180	j	78.6	4.1	0.035	b	0.19	1.8	q	164	qj	7.9	NS	NS	0.058	b		
MW-16B	4/26/2004	35-45	STL Sac	Total	NS	150	174	q	1.9	65.6	181	16.1	217	j	4.1	5.4	< 0.1	u	0.0015	b	0.56	J	169	qj	< 0.17	u	NS	NS	0.002	bU	
MW-17A	4/27/2004	20.7-30.7	STL Sac	Total	NS	575	169	qj	1.3	j	174	930	11.5	124	j	120	2.5	0.094	b	0.031	16.3	q	135	qj	110	NS	NS	0.0011	bU		
MW-17B	4/27/2004	44-54	STL Sac	Total	NS	450	160	qj	2.																						