

Table 7-7
Metals Detected in Soil Samples
Hookston Station Remedial Investigation
Pleasant Hill, California

Sample Location	Date	Sample Depth	Analytical Laboratory	Analytical Method	ANTIMONY (mg/kg)	ARSENIC (mg/kg)	BARIUM (mg/kg)	BERYLLIUM (mg/kg)	CADMIUM (mg/kg)	CHROMIUM (mg/kg)	COBALT (mg/kg)	COPPER (mg/kg)	LEAD (mg/kg)	MERCURY (mg/kg)	MOLYBDENUM (mg/kg)	NICKEL (mg/kg)	SELENIUM (mg/kg)	SILVER (mg/kg)	THALLIUM (mg/kg)	VANADIUM (mg/kg)	ZINC (mg/kg)									
CA Background ¹					0.15 to 1.95	0.6 to 11.0	133 to 1,400	0.25 to 2.70	0.05 to 1.70	23 to 1,579	2.7 to 46.9	9.1 to 96.4	12.4 to 97.1	0.15 to 0.90	0.1 to 9.6	9 to 509	0.430	0.10 to 8.3	0.17 to 1.10	39 to 288	88 to 236									
RIVQCB Commercial/Industrial (≤9.8 ft) ESL					40	5.5	1,500	8	7.4	58	80	230	750	10	40	150	10	40	13	200	600									
S-01	10/27/1989	0.5 ft	MTA		< 5000	u	10	100	0.3	0.3	24	7	19	9	0.3	< 3000	u	27	< 1000	u	< 300	u	< 1000	u	23	41				
S-02	10/27/1989	0.5 ft	MTA		< 5000	u	4.8	97	< 200	u	0.8	24	5	30	59	< 200	u	< 3000	u	21	< 1000	u	< 300	u	< 1000	u	28	92		
S-04	10/27/1989	0.5 ft	MTA		< 5000	u	3.2	120	< 200	u	0.4	38	5	15	16	< 200	u	< 3000	u	35	< 1000	u	< 300	u	< 1000	u	43	75		
S-05	10/27/1989	0.5 ft	MTA		< 5000	u	5	120	< 200	u	3.4	24	6	59	95	0.2	6	42	< 1000	u	< 300	u	< 1000	u	47	230				
S-06	10/27/1989	0.5 ft	MTA		< 5000	u	3.4	56	< 200	u	0.6	36	16	250	37	1.4	< 3000	u	24	< 1000	u	< 300	u	< 1000	u	65	150			
S-07	10/27/1989	0.5 ft	MTA		< 5000	u	2.6	28	< 200	u	1.4	44	16	1100	52	0.7	< 3000	u	26	< 1000	u	< 300	u	< 1000	u	72	140			
S-08	10/27/1989	0.5 ft	MTA		< 5000	u	3.4	92	0.2	0.9	43	9	220	< 200	u	< 3000	u	21	< 1000	u	< 300	u	< 1000	u	330	110				
S-09	10/27/1989	0.5 ft	MTA		< 5000	u	< 500	53	< 200	u	< 200	u	8	< 1000	u	3	2	< 200	u	< 3000	u	4	< 1000	u	< 300	u	< 1000	u	17	9
B-59	9/16/2003	0.5 Ft	STLSEA		< 1.16	u	3.8	172	0.488	0.136	34	12.2	19.4	10	< 0.0155	u	< 0.582	u	44.6	0.325	< 0.116	u	< 0.582	u	26.7	59.9				
B-65	10/1/2003	0.5 Ft	STLSEA		< 0.589	u	5.11	70.4	0.262	< 0.118	u	16.7	13.3	24.5	22.5	0.0506	0.698	25	< 0.236	u	< 0.118	u	0.133	34	45.4					
B-69	9/17/2003	0.5 Ft	STLSEA		5.16	211	46.9	0.127	0.583	33.3	19.2	109	40.7	0.0706	1.6	52.4	0.44	< 0.0975	u	1.03	50.7	94.5								
B-70	9/17/2003	0.5 Ft	STLSEA		< 0.984	u	2.78	57.1	0.171	1.04	30.4	15.3	271	0.0644	1.11	33.2	0.366	0.805	< 0.492	u	62	143								
B-73	9/29/2003	0.5 Ft	STLSEA		< 0.468	u	1.09	13	0.108	< 0.0935	u	24.2	16.5	59.6	14.8	0.407	0.61	25.4	0.404	< 0.0935	u	< 0.0935	u	62.9	35					
B-75	9/22/2003	0.5 Ft	STLSEA		< 10.2	u	4.14	94	< 0.406	u	1.95	42	29	99.3	59	0.303	< 2.03	u	25.3	< 10.2	u	< 2.03	u	< 10.2	u	105	133			
B-83	9/17/2003	0.5 Ft	STLSEA		< 0.986	u	9.57	155	0.43	0.265	54.5	13	7.25	0.106	0.693	62.9	0.229	< 0.0986	u	< 0.493	u	< 0.493	u	47.3	52					
B-84	9/23/2003	0.5 Ft	STLSEA		0.52	75.8	18	0.144	< 0.093	u	130	21.5	118	4	0.19	0.57	22.3	< 0.233	u	< 0.093	u	< 0.093	u	89	26.4					
B-94	9/29/2003	0.5 Ft	STLSEA		1.48	6.13	133	0.306	0.419	36	15.2	51.2	31	0.109	0.827	57.9	< 0.239	u	< 0.0957	u	< 0.0957	u	48.5	265						
B-95	9/29/2003	0.5 Ft	STLSEA		0.606	5.57	121	0.482	< 0.106	u	15.5	33.2	8.82	0.0579	1.33	19.2	0.347	< 0.106	u	0.22	31.6	37								
MW-13A	9/30/2003	0.5 Ft	STLSEA		2.32	4.5	77	0.183	1.58	28	10.1	53.5	375	0.49	1.68	29.6	0.237	< 0.0899	u	< 0.0899	u	40.6	218							

Notes:

u = Compound was analyzed for but not detected. Analyte result was below the Reporting Type Limit.

< = Not Detected

¹ = From *Background Concentrations of Trace and Major Elements in California Soils* , Kearny, et al., 1996.

(mg/kg) = Concentrations reported in milligrams per kilogram (mg/kg)

Laboratories:

MTA = MED-TOX Associates, Inc.

STLSEA = Severn Trent Laboratories, Seattle