

Table 7-2
Active Soil Vapor Analytical Results
Hookston Station Remedial Investigation
Pleasant Hill, California

Location	Date	Depth	Laboratory	Analytical Method	PCE (µg/m³)	TCE (µg/m³)	c-1,2-DCE (µg/m³)	t-1,2-DCE (µg/m³)	1,1-DCE (µg/m³)	1,1-DCA (µg/m³)	1,3-butadiene (µg/m³)	Hexane (µg/m³)	Cyclohexane (µg/m³)	Heptane (µg/m³)	CDS (µg/m³)	MC (µg/m³)	1,1,1-TCA (µg/m³)	Acetone (µg/m³)	Benzene (µg/m³)	Butane (µg/m³)	2-Butanone (µg/m³)	Chloroform (µg/m³)	Ethyl Benzene (µg/m³)	4-ethyltoluene (µg/m³)	Toluene (µg/m³)	m-&p-Xylenes (µg/m³)	o-Xylene (µg/m³)	Total Xylenes (µg/m³)		
Commercial Land Use Samples					RWQCB Commercial/Industrial ESL	1,400	4,100	20,000	41,000	120,000	5,100	-	-	-	-	8,200	130,000	200,000	280	-	580,000	1,500	7,400	-	230,000	-	-	58,000		
ASV-01	10/10/2003	5 ft	STL - LA	TO-15	53	11,000	<23	<23	<23	<23	na	na	na	na	<89	<47	<31	440	U	18	170	<84	68	34	31	440	120	35	155	
ASV-02	10/10/2003	5 ft	STL - LA	TO-15	<14	110	<9.1	<7.9	<7.9	<8.1	na	na	na	na	<31	<16	<11	440		8.3	52	54	U	<9.8	17	12	95	61	17	78
Residential Land Use Samples					RWQCB Residential ESL	410	1,200	7,300	15,000	42,000	1,500	-	-	-	-	2,400	46,000	73,000	84	-	2,400	460	2,200	-	83,000	-	-	21,000		
ASV-03	10/10/2003	5 ft	STL - LA	TO-15	<27	250	29	<16	<16	<16	na	na	na	na	<62	<33	<22	460	U	18	130	63	U	<19	79	21	200	290	96	386
ASV-04	10/17/2003	5 ft	ATL	TO-15	<5.6	8.5	<3.3	<13	<3.3	<3.4	na	na	4.7	U	na	<10	<2.9	81	4.1	33	22	U	<4.1	15	<16	15	54	18	72	
ASV-05	10/17/2003	5 ft	ATL	TO-15	39	6,800	<14	<55	37	<14	32	32	<12	21	59	<12	<19	<200	U	16	88	51	U	<17	16	<68	25	68	29	97
ASV-06	10/17/2003	5 ft	ATL	TO-15	<250	<200	<140	<580	850	<150	140	200	<120	<150	<450	140	U	56,000	<340	<120	<340	<430	<180	<160	<720	<140	230	<160	<390	
ASV-07	10/17/2003	5 ft	ATL	TO-15	<16	5,000	700	110	60	15	53	20	15	U	14	<30	<8.2	<13	340	20	150	76	U	<12	<10	<720	20	11	<160	<171
ASV-07(d)	10/17/2003	5 ft	ATL	TO-15	<16	5,000	710	110	61	14	54	20	15	U	16	<30	<8.2	<13	340	19	150	80	U	<12	<10	<47	20	10	<10	<20
ASV-08	10/17/2003	5 ft	ATL	TO-15	13	5.5	<3.2	<13	<3.2	<3.3	24	18	18	U	11	25	<2.8	<4.5	160	9.4	100	33	U	<4	7	<16	12	30	14	44
ASV-09	10/21/2003	5 ft	ATL	TO-15	<5.8	<4.6	<3.4	<14	<3.4	<3.4	26	25	<2.9	21	<11	<3	<4.6	280	27	87	82	U	<4.2	38	32	89	130	49	179	
ASV-10	10/21/2003	5 ft	ATL	TO-15	<5.3	<4.2	<3.1	<12	<3.1	<3.2	11	12	<2.7	6.1	<8.9	<2.7	<4.3	110	8.2	120	30	U	<3.8	25	<15	19	100	56	156	
ASV-11	10/21/2003	5 ft	ATL	TO-15	<170	* 5,600 *	400	* <400 *	<100	* <100 *	<56	* <89 *	150	U	<100	* <310 *	<88	* <140 *	<450	U	<81	* 12,000 *	<300	* <120 *	<110	* <500 *	<95	* <110	* <110	* <220 *
ASV-12	10/21/2003	5 ft	ATL	TO-15	<6.6	7.6	<3.8	<15	<3.8	<3.9	8.4	95	6	U	11	14	<3.4	<5.3	320	7.9	68	87	U	4.7	110	<19	18	500	260	760
ASV-12(d)	10/21/2003	5 ft	ATL	TO-15	<6.8	6.9	<3.9	<16	<3.9	<4.0	7.8	100	6.7	U	10	<12	<3.5	<5.4	320	8.5	70	85	U	<4.9	100	<20	16	500	250	750
AA-01	10/21/2003	ambient air	ATL	TO-15	<5.8	<4.6	<3.4	<14	<3.4	<3.4	<1.9	<3	<2.9	<3.5	<11	<3	<4.6	<15	U	<2.7	9.3	<10	<4.2	<3.7	<17	4.4	<3.7	<3.7	<7.4	

Notes:
(µg/m³) = micrograms per cubic meter
STL - LA = Severn Trent Laboratory, Los Angeles
ATL = Air Toxics, Ltd.
ESL = Environmental Screening Level for evaluation of potential indoor air impacts (RWQCB, 2003)
Butane was used for detecting leaks within the sampling system.
U = Qualified as non-detect. Common laboratory contaminants at concentrations less than 10 times the practical quantitation limit.
na = Not Analyzed
(d) = duplicate sample
* Butane gas was used for leak checking; elevated concentration of butane indicates possible leak during sample collection. Results may be considered estimates.
Abbreviation: Chemical:
PCE = tetrachloroethene
TCE = trichloroethene
c-1,2-DCE = cis-1,2-dichloroethene
t-1,2-DCE = trans-1,2-dichloroethene
1,1-DCE = 1,1-dichloroethene
1,1-DCA = 1,1-dichloroethane
MC = methylene chloride
1,1,1-TCA = 1,1,1-trichloroethene
CDS = carbon disulfide