TABLE B-10
PREVALENCE OF DETECTED CHEMIALS IN SOIL - MAINTENANCE SHED AREA
CASMALIA RESOURCES SUPERFUND SITE REMEDIAL INVESTIGATION

		All Depth Ranges					0 to 6 Inches					0 to 5 Feet					0 to 10 Feet					Greater than 10 Feet					Screening Levels			
Compound	CAS Number	Number of Detects	Number of Samples Collected	FOD[1]	Range of Detected Concentrations[2]	Average Detected Value	Number of Detects	Number of Samples Collected	FOD[1]	Range of Detected Concentrations[2]	Average Detected Value	Number of Detects	Number of Samples Collected	FOD[1]	Range of Detected Concentrations[2]	Average Detected Value	Number of Detects	Number of Samples Collected	FOD[1]	Range of Detected Concentrations[2]	Average Detected Value	Number of Detects	Number of Samples Collected	FOD[1]	Range of Detected Concentrations[2]	Average Detected Value	Industrial PRG	Industrial PRG (CA)	Lowest Ecological Screening Level	UTL[3]
Metals (mg/kg)																														
Aluminum	7429-90-5	47	47	100%	430 - 17000	9258.085	15	15	100%	2400 - 14000	9773.333	26	26	100%	430 - 14000	9424.231	39	39	100%	430 - 17000	9516.154	8	8	100%	7000 - 10000	8000	100000			18000
Antimony	7440-36-0	1	47	2%	1.7 - 1.7	1.700	1	15	7%	1.7 - 1.7	1.700	1	26	4%	1.7 - 1.7	1.700	1	39	3%	1.7 - 1.7	1.7	0	8	0%	- 0		408.799		0.27	4
Arsenic	7440-38-2	46	47	98%	0.65 - 37	6.438	15	15	100%	2.1 - 18	4.273	25	26	96%	1.4 - 18	4.160	38	39	97%	0.65 - 28	5.372	8	8	100%	2.6 - 37	11.5	1.590407549	0.251396321	18	22
Barium	7440-39-3	47	47	100%	19 - 1300	141.915	15	15	100%	32 - 1300	279.267	26	26	100%	19 - 1300	196.077	39	39	100%	19 - 1300	160.9744	8	8	100%	29 - 100	49	66577.34934	5400	330	174
Beryllium	7440-41-7	46	47	98%	0.17 - 0.64	0.397	15	15	100%	0.17 - 0.54	0.406	25	26	96%	0.17 - 0.55	0.404	38	39	97%	0.17 - 0.64	0.403	8	8	100%	0.3 - 0.46	0.366	1940.690344		10	0.91
Cadmium	7440-43-9	46	47	98%	0.22 - 22	2.386	14	15	93%	0.43 - 11	2.451	25	26	96%	0.27 - 11	1.872	38	39	97%	0.22 - 11	1.922	8	8	100%	0.62 - 22	4.59	451.4132238		0.36	3.2
Calcium	7440-70-2	46	47	98%	2200 - 32000	8041.304	15	15	100%	3100 - 16000	7080	25	26	96%	2900 - 32000	7920	38	39	97%	2200 - 32000	7813.158	8	8	100%	6100 - 21000	9125				
Chromium	7440-47-3	47	47	100%	1.3 - 300	40.179	15	15	100%	9.1 - 300	55.54	26	26	100%	1.3 - 300	40.63076923	39	39	100%	1.3 - 300	39.292	8	8	100%	19 - 120	44.5	448.3169314		0.4	47
Cobalt	7440-48-4	47	47	100%	1.2 - 27	4.940	15	15	100%	1.2 - 7.4	4.42	26	26	100%	1.2 - 7.4	4.003846154	39	39	100%	1.2 - 13	4.515	8	8	100%	1.8 - 27	7.0125	1921.352617		13	20
Copper	7440-50-8	47	47	100%	7.8 - 170	18.721	15	15	100%	9.6 - 170	32.44	26	26	100%	7.8 - 170	23.08076923	39	39	100%	7.8 - 170	19.690	8	8	100%	11 - 17	14	40876.65792		28	19
Iron	7439-89-6	46	47	98%	620 - 33000	17937.3913	14	15	93%	4600 - 22000	15821.42857	25	26	96%	620 - 27000	16284.8	38	39	97%	620 - 27000	17161.05263	8	8	100%	14000 - 33000	21625	100000			25000
Lead	7439-92-1	7	47	15%	9.9 - 970	174.986	5	15	33%	9.9 - 970	210.580	5	26	19%	9.9 - 970	210.580	7	39	18%	9.9 - 970	174.986	0	8	0%	- 0		800		11	11.9
Magnesium	7439-95-4	47	47	100%	1000 - 4500	3534.043	15	15	100%	1000 - 4300	3533.333	26	26	100%	1000 - 4300	3507.692	39	39	100%	1000 - 4500	3541.026	8	8	100%	2900 - 4000	3500				5500
Manganese	7439-96-5	47	47	100%	32 - 590	145.957	15	15	100%	37 - 290	130.4	26	26	100%	37 - 350	132.4230769	39	39	100%	32 - 370	136.051	8	8	100%	73 - 590	194.25	19458.10708			330
Mercury	7439-97-6	10	47	21%	0.025 - 0.22	0.065	7	15	47%	0.032 - 0.22	0.080	8	26	31%	0.032 - 0.22	0.075	9	39	23%	0.026 - 0.22	0.070	1	8	13%	0.025 - 0.025	0.025	306.599812		0.1	0.026
Molybdenum	7439-98-7	21	47	45%	2.1 - 5.4	3.119	5	15	33%	2.1 - 4.3	2.960	8	26	31%	2.1 - 4.3	2.850	15	39	38%	2.1 - 4.3	2.893	6	8	75%	2.5 - 5.4	3.683	5109.947776		2	10
Nickel	7440-02-0	47	47	100%	10 - 86	32.383	15	15	100%	14 - 86	33.867	26	26	100%	10 - 86	31.000	39	39	100%	10 - 86	30.974	8	8	100%	17 - 69	39.25	20439.16445		30	49
Potassium	7440-09-7	47	47	100%	590 - 2400	1766.382979	15	15	100%	590 - 2200	1646.667	26	26	100%	590 - 2200	1616.154	39	39	100%	590 - 2300	1700.513	8	8	100%	1800 - 2400	2087.5				
Silver	7440-22-4	1	47	2%	1.3 - 1.3	1.300	0	15	0%	-		1	26	4%	1.3 - 1.3	1.3	1	39	3%	1.3 - 1.3	1.3	0	8	0%	- 0		5109.947776		4.2	
Sodium	7440-23-5	47	47	100%	180 - 2900	1341.702	15	15	100%	180 - 2900	1105.333	26	26	100%	180 - 2900	1210.000	39	39	100%	180 - 2900	1304.102564	8	8	100%	1100 - 1800	1525				
Thallium	7440-28-0	41	47	87%	0.23 - 2	0.524	10	15	67%	0.25 - 1.9	0.485	20	26	77%	0.23 - 1.9	0.404	33	39	85%	0.23 - 1.9	0.463	8	8	100%	0.29 - 2	0.775	67.4519909		1	0.64
Tin	7440-31-5	39	47	83%	28 - 62	43.051	12	15	80%	31 - 56	43.333	21	26	81%	28 - 56	42.476	33	39	85%	28 - 62	43	6	8	75%	31 - 57	43.33333333	100000		50	65
Vanadium	7440-62-2	46	47	98%	12 - 36	22.196	15	15	100%	12 - 36	24.333	25	26	96%	12 - 36	22.600	38	39	97%	12 - 36	22.132	8	8	100%	17 - 29	22.5	1021.997911		2	81
Zinc	7440-66-6	47	47	100%	10 - 350	61.447	15	15	100%	17 - 350	76.933	26	26	100%	10 - 350	61.000	39	39	100%	10 - 350	63.154	8	8	100%	34 - 72	53.125	100000		50	104
BTEX (mg/kg)																														
Benzene (BTEX)	71-43-2	6	32	19%	0.00035 - 0.0014	0.001	2	9	22%	0.00076 - 0.0014	0.001	4	17	24%	0.00035 - 0.0014	0.001	5	27	19%	0.00035 - 0.0014	0.001	1	5	20%	0.00056 - 0.00056	0.001	1.409401928			
Toluene (BTEX)	108-88-3	1	32	3%	0.0041 - 0.0041	0.004	1	9	11%	0.0041 - 0.0041	0.004	1	17	6%	0.0041 - 0.0041	0.004	1	27	4%	0.0041 - 0.0041	0.004	0	5	0%	- 0		520		200	
VOCs (mg/kg)																														
1,2,4-Trimethylbenzene	95-63-6	1	43	2%	0.0067 - 0.0067	0.007	0	14	0%	-		1	24	4%	0.0067 - 0.0067	0.0067	1	36	3%	0.0067 - 0.0067	0.007	0	7	0%	- 0		170.2715462			
2-Hexanone	591-78-6	1	43	2%	0.0071 - 0.0071	0.007	1	14	7%	0.0071 - 0.0071	0.007	1	24	4%	0.0071 - 0.0071	0.007	1	36	3%	0.0071 - 0.0071	0.007	0	7	0%	- 0					
Benzene	71-43-2	1	43	2%	0.0016 - 0.0016	1.600E-03	1	14	7%	0.0016 - 0.0016	0.002	1	24	4%	0.0016 - 0.0016	0.002	1	36	3%	0.0016 - 0.0016	0.002	0	7	0%	- 0		1.409401928			
Bromomethane	74-83-9	2	43	5%	0.0013 - 0.0021	0.0017	2	14	14%	0.0013 - 0.0021	0.002	2	24	8%	0.0013 - 0.0021	0.002	2	36	6%	0.0013 - 0.0021	0.002	0	7	0%	- 0		13.07779675			
Carbon disulfide	75-15-0	7	43	16%	0.0053 - 0.043	0.018	6	14	43%	0.0054 - 0.043	0.020	6	24	25%	0.0054 - 0.043	0.020	7	36	19%	0.0053 - 0.043	0.018	0	7	0%	- 0		720			
Chlorotrifluoroethene	79-38-9	2	43	5%	0.022 - 0.023	0.023	0	14	0%	-		0	24	0%	-		1	36	3%	0.022 - 0.022	0.022	1	7	14%	0.023 - 0.023	0.023				
Ethylbenzene	100-41-4	1	43	2%	0.0029 - 0.0029	2.900E-03	1	14	7%	0.0029 - 0.0029	0.003	1	24	4%	0.0029 - 0.0029	0.003	1	36	3%	0.0029 - 0.0029	0.003	0	7	0%	- 0		395			
Freon 113 (1,1,2-trichloro-1,2,2-trifluo	76-13-1	18	43	42%	0.0013 - 0.063	0.011	3	14	21%	0.0013 - 0.0037	0.003	7	24	29%	0.0013 - 0.0066	0.003	14	36	39%	0.0013 - 0.063	0.010	4	7	57%	0.0051 - 0.044	0	5600			
Methyl iodide	74-88-4	1	43	2%	0.013 - 0.013	0.013	1	14	7%	0.013 - 0.013	0.013	1	24	4%	0.013 - 0.013	0.013	1	36	3%	0.013 - 0.013	0.013	0	7	0%	- 0					
Nonanal	124-19-6	1	43	2%	0.045 - 0.045	0.045	1	14	7%	0.045 - 0.045	0.045	1	24	4%	0.045 - 0.045	0.045	1	36	3%	0.045 - 0.045	0.045	0	7	0%	- 0					
o-Xylene	95-47-6	1	43	2%	0.0033 - 0.0033	3.300E-03	0	14	0%	-		1	24	4%	0.0033 - 0.0033	0.0033	1	36	3%	0.0033 - 0.0033	0.003	0	7	0%	- 0					
Propanal	123-38-6	3	43	7%	0.036 - 1.3	0.465	2	14	14%	0.059 - 1.3	0.680	2	24	8%	0.059 - 1.3	0.680	3	36	8%	0.036 - 1.3	0.465	0	7	0%	- 0					
Tetrachloroethylene	127-18-4	3	43	7%	0.0018 - 0.006	0.003	2	14	14%	0.0018 - 0.0025	0.002	3	24	13%	0.0018 - 0.006	0.003	3	36	8%	0.0018 - 0.006	0.003	0	7	0%	- 0		1.308620966			
Toluene	108-88-3	2	43	5%	0.0023 - 0.0045	0.003	2	14	14%	0.0023 - 0.0045	0.003	2	24	8%	0.0023 - 0.0045	0.003	2	36	6%	0.0023 - 0.0045	0.003	0	7	0%	- 0		520		200	
Total Xylenes	1330-20-7	1	43	2%	0.0033 - 0.0033	3.300E-03	0	14	0%	-		1	24	4%	0.0033 - 0.0033	0.0033	1	36	3%	0.0033 - 0.0033	0.003	0	7	0%	- 0		420			
SVOCs (mg/kg)																														
2-Methylnaphthalene	91-57-6	1	47	2%	0.31 - 0.31	0.310	0	15	0%	-		1	26	4%	0.31 - 0.31	0.31	1	39	3%	0.31 - 0.31	0.31	0	8	0%	- 0					
Benzoic acid	65-85-0	3	47	6%	0.28 - 0.41	0.327	3	15	20%	0.28 - 0.41	0.327	3	26	12%	0.28 - 0.41	0.327	3	39	8%	0.28 - 0.41	0.327	0	8	0%	- 0		100000			
Bis(2-ethylhexyl)phthalate	117-81-7	7	47	15%	0.09 - 0.47	0.221571429	4	15	27%	0.09 - 0.47	0.243	5	26	19%	0.09 - 0.47	0.269	6	39	15%	0.09 - 0.47	0.240	1	8	13%	0.11 - 0.11	0.110	123.1212582			
Diethylphthalate	84-66-2	2	47	4%	0.22 - 0.25	0.235	0	15	0%	-		0	26	0%	-		2	39	5%	0.22 - 0.25	0.235	0	8	0%	- 0		100000		100	
Di-n-octylphthalate	117-84-0	1	47	2%	0.29 - 0.29	0.290	0	15	0%	-		1	26	4%	0.29 - 0.29	0.29	1	39	3%	0.29 - 0.29	0.29	0	8	0%	- 0		24624.25163			
Phenanthrene	85-01-8	1	47	2%	0.49 - 0.49	0.490	1	15	7%	0.49 - 0.49	0.490	1	26	4%	0.49 - 0.49	0.490	1	39	3%	0.49 - 0.49	0.49	0	8	0%	- 0					
PAHs (mg/kg)																														
Acenaphthene	83-32-9	2	47	4%	0.0029 - 0.0049	0.004	0	15	0%	-		1	26	4%	0.0049 - 0.0049	0.0049	2	39	5%	0.0029 - 0.0049	0.004	0	8	0%	- 0		29219.32727		20	
Acenaphthylene	208-96-8	3	47	6%	0.0017 - 0.0019	0.002	0	15	0%	-		2	26	8%	0.0017 - 0.0019	0.0018	3	39	8%	0.0017 - 0.0019	0.002	0	8	0%	- 0					
Anthracene	120-12-7	1	47	2%	0.0041 - 0.0041	4.100E-03	1	15	7%	0.0041 - 0.0041	0.004	1	26	4%	0.0041 - 0.0041	0.004	1	39	3%	0.0041 - 0.0041	0.004	0	8	0%	- 0		100000			
Benzo(a)anthracene	56-55-3	2	47	4%	0.0037 - 0.0077	0.006	1	15	7%	0.0077 - 0.0077	0.008	2	26	8%	0.0037 - 0.0077	0.006	2	39	5%	0.0037 - 0.0077	0.006	0	8	0%	- 0		2.109622922			
Benzo(a)pyrene	50-32-8	4	47	9%	0.0067 - 0.019	0.012	4	15	27%	0.0067 - 0.019	0.012	4	26	15%	0.0067 - 0.019	0.012	4	39	10%	0.0067 - 0.019	0.012	0	8	0%	- 0		0.210962292			
Benzo(b)fluoranthene	205-99-2	4	47	9%	0.0057 - 0.0076	0.006	3	15	20%	0.0057 - 0.006	0.006	4	26	15%	0.0057 - 0.0076	0.006	4	39	10%	0.0057 - 0.0076	0.006	0	8	0%	- 0		2.109622922			
Benzo(g,h,i)perylene	191-24-2	1	47	2%	0.098 - 0.098	0.098	0	15	0%	-		0	26	0%	-		1	39	3%	0.098 - 0.098	0.098	0	8	0%	- 0					
Benzo(k)fluoranthene	207-08-9	4	47	9%	0.0042 - 0.018	0.008	4	15	27%	0.0042 - 0.018	0.008	4	26	15%	0.0042 - 0.018	0.008	4	39	10%	0.0042 - 0.018	0.008	0	8	0%	- 0		21.09622922	1.283424799		
Chrysene	218-01-9	11	47	23%	0.0018 - 0.018	0.007	7	15	47%	0.0018 - 0.018	0.007	9	26	35%	0.0018 - 0.018	0.007	11	39	28%	0.0018 - 0.018	0.007	0	8	0%	- 0		210.9622922	12.83424799		
Dibenzo(a,h)anthracene	53-70-3	1	47	2%	0.0079 - 0.0079	0.008	1	15	7%	0.0079 - 0.0079	0.008	1	26	4%	0.0079 - 0.0079	0.008	1	39	3%	0.0079 - 0.0079	0.008	0	8	0%	- 0		0.210962292			
Fluoranthene	206-44-0	9	47	19%	0.0027 - 0.012	0.007	5	15	33%	0.0027 - 0.011	0.006	7	26	27%	0.0027 - 0.012	0.007	9	39	23%	0.0027 - 0.012	0.007	0	8	0%	- 0		22000.35333			
Fluorene	86-73-7	4	47	9%	0.0024 - 0.0099	0.006	1	15	7%	0.0035 - 0.0035	0.004	3	26	12%	0.0024 - 0.0088	0.005	4	39	10%	0.0024 - 0.0099	0.006	0	8	0%	- 0		26281.43345		30	
Indeno(1,2,3-c,d)pyrene	193-39-5	1	47	2%	0.013 - 0.013	0.013	0	15	0%	-		0	26	0%	-		1	39	3%	0.013 - 0.013	0.013	0	8	0%	- 0		2.109622922			
Naphthalene	91-20-3	5	47	11%	0.0029 - 0.041	0.013	3	15	20%	0.0029 - 0.011	0.006	4	26	15%	0.0029 - 0.041	0.015	5	39	13%	0.0029 - 0.041	0.013	0	8	0%	- 0		187.6909137	4.2		
N-Nitrosodimethylamine	62-75-9	1	47	2%	0.015 - 0.015	0.015	1	15	7%	0.015 - 0.015	0.015	1	26	4%	0.015 - 0.015	0.015	1	39	3%	0.015 - 0.015	0.015	0	8	0%	- 0		0.033798114			
Pyrene	129-00-0	9	47	19%	0.0027 - 0.017	0.009	5	15	33%	0.0027 - 0.017	0.008	7	26	27%	0.0027 - 0.017	0.009	9	39	23%	0.0027 - 0.017	0.009	0	8	0%	- 0		29126.2007			
PCB (mg/kg)																														
Aroclor 1260	11096-82-5	1	1	100%	0.55 - 0.55	0.55	1	1	100%	0.55 - 0.55	0.55	1	1	100%	0.55 - 0.55	0.55	1	1	100%	0.55 - 0.55	0.55				-		0.74			
Pesticides (mg/kg)																														
4,4'-DDD	72-54-8	1	1	100%	0.018 - 0.018	0.018	1	1	100%	0.018 - 0.018	0.018	1	1	100%	0.018 - 0.018	0.018	1	1	100%	0.018 - 0.018	0.018				-		9.951436525			
4,4'-DDE	72-55-9	1	1	100%	0.01 - 0.01	0.01	1	1	100%	0.01 - 0.01	0.01	1	1	100%	0.01 - 0.01	0.01	1	1	100%	0.01 - 0.01	0.01				-		7.024543429			
4,4'-DDT	50-29-3	1	1	100%	0.081 - 0.081	0.081	1	1	100%	0.081 - 0.081	0.081	1	1	100%	0.081 - 0.081	0.081	1	1	100%	0.081 - 0.081	0.081				-		7.02454474			
Chlordane, gamma	12789-03-6	1	1	100%	0.016 - 0.016	0.016	1	1	100%	0.016 - 0.016	0.016	1	1	100%	0.016 - 0.016	0.016	1	1	100%	0.016 - 0.016	0.016				-		6.5			
Endosulfan I	959-98-8	1	1	100%	0.004 - 0.004	0.004	1	1	100%	0.004 - 0.004	0.004	1	1	100%	0.004 - 0.004	0.004	1	1	100%	0.004 - 0.004	0.004				-		3700			
Endrin ketone	53494-70-5	1	1	100%	0.007 - 0.007	0.007	1	1	100%	0.007 - 0.007	0.007	1	1	100%	0.007 - 0.007	0.007	1	1	100%	0.007 - 0.007	0.007				-					
Heptachlor epoxide	1024-57-3	1	1	100%	0.026 - 0.026	0.026	1	1	100%	0.026 - 0.026	0.026	1	1	100%	0.026 - 0.026	0.026	1	1	100%	0.026 - 0.026	0.026				-		0.18941732			
Hexachlorobenzene	118-74-1	1	1	100%	0.0063 - 0.0063	0.006	1	1	100%	0.0063 - 0.0063	0.006	1	1	100%	0.0063 - 0.0063	0.006	1	1	100%	0.0063 - 0.0063	0.006				-		1.077310393			
Methoxychlor	72-43-5	1	1	100%	0.017 - 0.017	0.017	1	1	100%	0.017 - 0.017	0.017	1	1	100%	0.017 - 0.017	0.017	1	1	100%	0.017 - 0.017	0.017				-		3078.031454			
Mirex	2385-85-5	1	1	100%	0.019 - 0.019	0.019	1	1	100%	0.019 - 0.019	0.019	1	1	100%	0.019 - 0.019	0.019	1	1	100%	0.019 - 0.019	0.019				-		0.957609786			
Poor-Purge Organics (mg/kg)																														
Acetone	67-64-1	1	1	100%	0.061 - 0.061	0.061	1	1	100%	0.061 - 0.061	0.061	1	1	100%	0.061 - 0.061	0.061	1	1	100%	0.061 - 0.061	0.061				-		54320.98608			
Total Petroleum Hydrocarbons (mg/kg)																														
TPH as Diesel	68334-30-5	19	42	45%	8.5 - 2400	607.184	13	13	100%	18 - 2400	782.077	17	23	74%	8.5 - 2400	656.853	18	35	51%	8.5 - 2400	628.139	1	7	14%	230 - 230	230.000				
TPH as Gasoline	86290-81-5	2	10	20%	0.045 - 0.37	0.208	1	4	25%	0.045 - 0.045	0.045	2	6	33%	0.045 - 0.37	0.208	2	8	25%	0.045 - 0.37	0.208	0	2	0%	- 0					
TPH as Motor Oil	URS-OIL	28	42	67%	3.6 - 4900	836.489	13	13	100%	36 - 4900	1574	18	23	78%	3.9 - 4900	1249.205556	23	35	66%	3.6 - 4900	993.630	5	7	71%	3.7 - 550	113.640				
Dioxins and Furans (pg/g)																														
1,2,3,4,6,7,8-HpCDD	35822-46-9	6	6	100%	0.873 - 43.552	9.043	2	2	100%	2.905 - 43.552	23.229	4	4	100%	1.515 - 43.552	12.440	6	6	100%	0.873 - 43.552	9.043				-					
1,2,3,4,6,7,8-HpCDF	67562-39-4	5	6	83%	0.242 - 38.579	8.1204	1	2	50%	38.579 - 38.579	38.579	3	4	75%	0.379 - 38.579	13.136	5	6	83%	0.242 - 38.579	8.120				-					
1,2,3,4,7,8,9-HpCDF	55673-89-7	1	6	17%	3.613 - 3.613	3.613	1	2	50%	3.613 - 3.613	3.613	1	4	25%	3.613 - 3.613	3.613	1	6	17%	3.613 - 3.613	3.613				-					
1,2,3,4,7,8-HxCDD	39227-28-6	1	6	17%	2.124 - 2.124	2.124	1	2	50%	2.124 - 2.124	2.124	1	4	25%	2.124 - 2.124	2.124	1	6	17%	2.124 - 2.124	2.124				-					
1,2,3,4,7,8-HxCDF	70648-26-9	2	6	33%	0.263 - 33.989	17.126	1	2	50%	33.989 - 33.989	33.989	2	4	50%	0.263 - 33.989	17.126	2	6	33%	0.263 - 33.989	17.126				-					
1,2,3,6,7,8-HxCDD	57653-85-7	1	6	17%	4.55 - 4.55	4.550	1	2	50%	4.55 - 4.55	4.55	1	4	25%	4.55 - 4.55	4.55	1	6	17%	4.55 - 4.55	4.55				-					
1,2,3,6,7,8-HxCDF	57117-44-9	1	6	17%	18.994 - 18.994	18.994	1	2	50%	18.994 - 18.994	18.994	1	4	25%	18.994 - 18.994	18.994	1	6	17%	18.994 - 18.994	18.994				-					
1,2,3,7,8,9-HxCDD	19408-74-3	1	6	17%	6.068 - 6.068	6.068	1	2	50%	6.068 - 6.068	6.068	1	4	25%	6.068 - 6.068	6.068	1	6	17%	6.068 - 6.068	6.068				-					
1,2,3,7,8-PeCDD	40321-76-4	1	6	17%	3.111 - 3.111	3.111	1	2	50%	3.111 - 3.111	3.111	1	4	25%	3.111 - 3.111	3.111	1	6	17%	3.111 - 3.111	3.111				-					
1,2,3,7,8-PeCDF	57117-41-6	1	6	17%	7.622 - 7.622	7.622	1	2	50%	7.622 - 7.622	7.622	1	4	25%	7.622 - 7.622	7.622	1	6	17%	7.622 - 7.622	7.622				-					
2,3,4,6,7,8-HxCDF	60851-34-5	1	6	17%	22.431 - 22.431	22.431	1	2	50%	22.431 - 22.431	22.431	1	4	25%	22.431 - 22.431	22.431	1	6	17%	22.431 - 22.431	22.431				-					
2,3,4,7,8-PeCDF	57117-31-4	1	6	17%	13.042 - 13.042	13.042	1	2	50%	13.042 - 13.042	13.042	1	4	25%	13.042 - 13.042	13.042	1	6	17%	13.042 - 13.042	13.042				-					
2,3,7,8-TCDD	1746-01-6	1	6	17%	1.355 - 1.355	1.355	1	2	50%	1.355 - 1.355	1.355	1	4	25%	1.355 - 1.355	1.355	1	6	17%	1.355 - 1.355	1.355				-		15.92229844			
2,3,7,8-TCDF	51207-31-9	1	6	17%	6.802 - 6.802	6.802	1	2	50%	6.802 - 6.802	6.802	1	4	25%	6.802 - 6.802	6.802	1	6	17%	6.802 - 6.802	6.802				-					
Avian Dioxin TEQ	URS-TEQ-04	6	6	100%	0.0044535 - 33.8681108	5.656	2	2	100%	0.0060569 - 33.8681108	16.937	4	4	100%	0.0060569 - 33.8681108	8.479	6	6	100%	0.0044535 - 33.8681108	5.655680683				-					16
Fish Dioxin TEQ	URS-TEQ-06	6	6	100%	0.002905 - 20.883252	3.490	2	2	100%	0.002905 - 20.883252	10.4430785	4	4	100%	0.002905 - 20.883252	5.2310095	6	6	100%	0.002905 - 20.883252	3.490080833				-					
Mammal Dioxin TEQ	URS-TEQ-02	6	6	100%	0.0146315 - 19.0521164	3.205	2	2	100%	0.0385057 - 19.0521164	9.54531105	4	4	100%	0.025065 - 19.0521164	4.791116325	6	6	100%	0.0146315 - 19.0521164	3.205				-		15.92229844			13
OCDD	3268-87-9	6	6	100%	9.05 - 275.874	60.123	2	2	100%	30.858 - 275.874	153.366	4	4	100%	9.05 - 275.874	81.631	6	6	100%	9.05 - 275.874	60.123				-					
OCDF	39001-02-0	4	6	67%	0.661 - 29.514	8.014	2	2	100%	0.661 - 29.514	15.0875	3	4	75%	0.661 - 29.514	10.409	4	6	67%	0.661 - 29.514	8.014				-					
Total HpCDD	37871-00-4	6	6	100%	1.693 - 89.986	17.60683333	2	2	100%	5.898 - 89.986	47.942	4	4	100%	1.786 - 89.986	25.081	6	6	100%	1.693 - 89.986	17.607				-					
Total HpCDF	38998-75-3	5	6	83%	0.242 - 63.282	13.684	1	2	50%	63.282 - 63.282	63.282	3	4	75%	0.82 - 63.282	21.81666667	5	6	83%	0.242 - 63.282	13.684				-					
Total HxCDD	34465-46-8	4	6	67%	0.533 - 57.333	14.9725	2	2	100%	0.533 - 57.333	28.933	3	4	75%	0.533 - 57.333	19.53533333	4	6	67%	0.533 - 57.333	14.973				-					
Total HxCDF	55684-94-1	5	6	83%	0.267 - 181.807	36.734	2	2	100%	0.267 - 181.807	91.037	4	4	100%	0.267 - 181.807	45.719	5	6	83%	0.267 - 181.807	36.734				-					
Total PeCDD	36088-22-9	2	6	33%	0.174 - 57.305	28.740	1	2	50%	57.305 - 57.305	57.305	2	4	50%	0.174 - 57.305	28.7395	2	6	33%	0.174 - 57.305	28.740				-					
Total PeCDF	30402-15-4	4	6	67%	0.217 - 190.389	47.800	2	2	100%	0.275 - 190.389	95.332	3	4	75%	0.275 - 190.389	63.661	4	6	67%	0.217 - 190.389	47.800				-					
Total TCDD	41903-57-5	2	6	33%	0.284 - 34.999	17.642	1	2	50%	34.999 - 34.999	34.999	2	4	50%	0.284 - 34.999	17.642	2	6	33%	0.284 - 34.999	17.6415				-					
Total TCDF	55722-27-5	1	6	17%	304.541 - 304.541	304.541	1	2	50%	304.541 - 304.541	304.541	1	4	25%	304.541 - 304.541	304.541	1	6	17%	304.541 - 304.541	304.541				-					

TABLE B-10
PREVALENCE OF DETECTED CHEMIALS IN SOIL - MAINTENANCE SHED AREA
CASMALIA RESOURCES SUPERFUND SITE REMEDIAL INVESTIGATION

		All Depth Ranges					0 to 6 Inches					0 to 5 Feet					0 to 10 Feet					Greater than 10 Feet					Screening Levels			
Compound	CAS Number	Number of Detects	Number of Samples Collected	FOD[1]	Range of Detected Concentrations[2]	Average Detected Value	Number of Detects	Number of Samples Collected	FOD[1]	Range of Detected Concentrations[2]	Average Detected Value	Number of Detects	Number of Samples Collected	FOD[1]	Range of Detected Concentrations[2]	Average Detected Value	Number of Detects	Number of Samples Collected	FOD[1]	Range of Detected Concentrations[2]	Average Detected Value	Number of Detects	Number of Samples Collected	FOD[1]	Range of Detected Concentrations[2]	Average Detected Value	Industrial PRG	Industrial PRG (CA)	Lowest Ecological Screening Level	UTL[3]
PCB Congeners (pg/g)																														
2,2',3,4,4',5,5'-HpCB-180	35065-29-3	1	/ 1	100%	43400 - 43400	43400	1	/ 1	100%	43400 - 43400	43400	1	/ 1	100%	43400 - 43400	43400	1	/ 1	100%	43400 - 43400	43400		/		-					
2,2',3,4,4',5-HpCB-170	35065-30-6	1	/ 1	100%	13200 - 13200	13200	1	/ 1	100%	13200 - 13200	13200	1	/ 1	100%	13200 - 13200	13200	1	/ 1	100%	13200 - 13200	13200		/		-					
2,3,3',4,4',5,5'-HpCB-189	39635-31-9	1	/ 1	100%	631 - 631	631	1	/ 1	100%	631 - 631	631	1	/ 1	100%	631 - 631	631	1	/ 1	100%	631 - 631	631		/		-					
2,3,3',4,4',5-HxCB-156	38380-08-4	1	/ 1	100%	1850 - 1850	1850	1	/ 1	100%	1850 - 1850	1850	1	/ 1	100%	1850 - 1850	1850	1	/ 1	100%	1850 - 1850	1850		/		-					
2,3,3',4,4',5'-HxCB-157	69782-90-7	1	/ 1	100%	314 - 314	314	1	/ 1	100%	314 - 314	314	1	/ 1	100%	314 - 314	314	1	/ 1	100%	314 - 314	314		/		-					
2,3,3',4,4'-PeCB-105	32598-14-4	1	/ 1	100%	1970 - 1970	1970	1	/ 1	100%	1970 - 1970	1970	1	/ 1	100%	1970 - 1970	1970	1	/ 1	100%	1970 - 1970	1970		/		-					
2,3',4,4',5,5'-HxCB-167	52663-72-6	1	/ 1	100%	821 - 821	821	1	/ 1	100%	821 - 821	821	1	/ 1	100%	821 - 821	821	1	/ 1	100%	821 - 821	821		/		-					
2,3,4,4',5-PeCB-114	74472-37-0	1	/ 1	100%	15.5 - 15.5	15.5	1	/ 1	100%	15.5 - 15.5	15.5	1	/ 1	100%	15.5 - 15.5	15.5	1	/ 1	100%	15.5 - 15.5	15.5		/		-					
2,3',4,4',5-PeCB-118	31508-00-6	1	/ 1	100%	911 - 911	911	1	/ 1	100%	911 - 911	911	1	/ 1	100%	911 - 911	911	1	/ 1	100%	911 - 911	911		/		-					
2',3,4,4',5-PeCB-123	65510-44-3	1	/ 1	100%	69.4 - 69.4	69.4	1	/ 1	100%	69.4 - 69.4	69.4	1	/ 1	100%	69.4 - 69.4	69.4	1	/ 1	100%	69.4 - 69.4	69.4		/		-					
3,3',4,4',5,5'-HxCB-169	32774-16-6	1	/ 1	100%	7.76 - 7.76	7.76	1	/ 1	100%	7.76 - 7.76	7.76	1	/ 1	100%	7.76 - 7.76	7.76	1	/ 1	100%	7.76 - 7.76	7.76		/		-					
3,3',4,4',5-PeCB-126	57465-28-8	1	/ 1	100%	69.5 - 69.5	69.5	1	/ 1	100%	69.5 - 69.5	69.5	1	/ 1	100%	69.5 - 69.5	69.5	1	/ 1	100%	69.5 - 69.5	69.5		/		-					
3,3',4,4'-TeCB-77	32598-13-3	1	/ 1	100%	261 - 261	261	1	/ 1	100%	261 - 261	261	1	/ 1	100%	261 - 261	261	1	/ 1	100%	261 - 261	261		/		-					
3,4,4',5-TeCB-81	70362-50-4	1	/ 1	100%	54.6 - 54.6	54.6	1	/ 1	100%	54.6 - 54.6	54.6	1	/ 1	100%	54.6 - 54.6	54.6	1	/ 1	100%	54.6 - 54.6	54.6		/		-					
Avian PCBC TEQ	URS-TEQ-05	1	/ 1	100%	25.907034 - 25.907034	25.907034	1	/ 1	100%	25.907034 - 25.907034	25.907034	1	/ 1	100%	25.907034 - 25.907034	25.907034	1	/ 1	100%	25.907034 - 25.907034	25.907034		/		-					
Fish PCBC TEQ	URS-TEQ-07	1	/ 1	100%	0.401288 - 0.401288	0.401288	1	/ 1	100%	0.401288 - 0.401288	0.401288	1	/ 1	100%	0.401288 - 0.401288	0.401288	1	/ 1	100%	0.401288 - 0.401288	0.401288		/		-					
Mammal PCBC TEQ	URS-TEQ-03	1	/ 1	100%	7.422737 - 7.422737	7.422737	1	/ 1	100%	7.422737 - 7.422737	7.422737	1	/ 1	100%	7.422737 - 7.422737	7.422737	1	/ 1	100%	7.422737 - 7.422737	7.422737		/		-		15.92229844			12
Sum of PCB Congeners	URS-SUM-PCBC	1	/ 1	100%	63574.76 - 63574.76	63574.760	1	/ 1	100%	63574.76 - 63574.76	63574.7600	1	/ 1	100%	63574.76 - 63574.76	63574.7600	1	/ 1	100%	63574.76 - 63574.76	63574.760		/		-					

Notes:
[1] FOD = Percent Frequency of Detection
[2] Minimum value detected above MDL
[3] UTL = Upper Threshold Limit
mg/kg = milligrams/kilogram
pg/g = picograms/gram