

Environmental	Soil 2019-106					Soil 2019-107			Soil 2019-108			Soil 2019-109			Soil 2019-110		
Soil Analyses	Units	#	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
Metals																	
Ag	mg/kg																
Al	mg/kg	5	6,850	1,600		16,900	5,940		18,800	1,580		10,500	646		13,600	2,440	
As	mg/kg	4	3.39	0.174		3.44	0.665		2.88	0.850		7.38	1.11		7.46	0.980	
Ba	mg/kg	3	21.8	0.500		164	4.60		147	4.00		186	10.0		98.0	8.80	
Be	mg/kg	1	0.016	0.000		0.144	0.000		0.018	0.000		0.082	0.000		0.058	0.000	
Bi	mg/kg																
B	mg/kg	2	1.30	0.560		6.32	1.35		2.82	0.475		3.34	1.64		3.79	0.008	
Ca	mg/kg	4	693	56.3		9,370	572		4,660	478		2,890	112		1,480	56.8	
Cd	mg/kg	3	0.103	0.013		0.676	0.055		0.430	0.232		0.504	0.120		0.351	0.135	
Co	mg/kg	4	0.950	0.164		6.48	0.305		10.5	0.960		8.07	0.835		8.78	0.808	
Cr	mg/kg	6	4.97	0.630		21.7	1.95		29.4	3.00		16.3	3.10		17.4	3.14	
Cu	mg/kg	5	9.30	4.00		22.2	0.965		17.4	1.98		17.8	0.900		13.5	2.27	
Fe	mg/kg	4	2,880	272		15,100	1,730		22,700	1,880		15,200	854		16,800	1,070	
K	mg/kg	4	343	44.4		2,900	804		5,700	176		1,680	44.0		1,410	310	
Li	mg/kg	1	0.695	0.000		9.13	0.000		18.1	0.000		2.58	0.000		5.39	0.000	
Mg	mg/kg	4	298	28.1		5,270	664		7,100	242		2,120	112		1,800	161	
Mn	mg/kg	4	28.6	5.69		398	42.5		380	9.74		748	28.7		656	29.0	
Mo	mg/kg	3	0.690	0.150		0.510	0.160		0.571	0.164		0.435	0.306		0.486	0.180	
Na	mg/kg	4	24.1	9.26		118	14.9		300	19.5		79.6	23.8		65.8	22.9	
Ni	mg/kg	5	2.13	1.08		15.0	1.48		25.9	0.850		14.8	0.540		12.9	0.865	
P	mg/kg	5	176	18.0		1,420	45.0		600	20.5		412	3.00		593	15.8	
Pb	mg/kg	5	14.2	1.34		17.8	2.21		4.57	2.07		19.0	3.45		14.7	2.34	
S	mg/kg	4	86.1	24.1		428	15.3		153	19.9		159	18.8		206	19.0	
Sb	mg/kg	1	0.872	0.000		0.102	0.000		0.942	0.000		0.783	0.000		0.970	0.000	
Se	mg/kg	2	0.212	0.182		2.64	1.32		0.020	0.019		4.05	0.999		2.48	0.920	
Sn	mg/kg																
Sr	mg/kg	3	2.92	0.487		22.4	3.42		32.1	2.80		18.8	1.96		14.2	1.22	
V	mg/kg	2	8.07	0.356		50.6	6.52		71.6	15.3		33.2	6.34		36.5	0.155	
Zn	mg/kg	6	12.3	1.15		86.9	9.72		58.4	3.98		47.8	4.95		49.0	3.88	
Hg (US-EPA 7470 or 7471)	mg/kg	1	0.012	0.000		0.045	0.000		0.010	0.000		0.031	0.000		0.048	0.000	

1 - Values flagged exceed Warning Limits *** 2.5 x MAD (Median Absolute Deviation) and Control Limits **** 4 x MAD.
 2 - Limits not compared to lab data for methods with less than 7 labs reporting.