

Environmental	Soil 2019-116			Soil 2019-117			Soil 2019-118			Soil 2019-119			Soil 2019-120				
Soil Analyses	Units	n	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	1	0.063	0.000		0.018	0.000		0.032	0.000		0.054	0.000		0.046	0.000	
Al	mg/kg	5	15,000	1,470		11,500	763		6,350	1,470		3,020	330		11,700	1,600	
As	mg/kg	5	3.71	1.71		7.81	1.69		3.32	0.930		1.30	0.270		10.8	1.33	
Ba	mg/kg	2	202	5.95		96.9	2.84		135	20.8		34.2	1.06		86.9	3.00	
Be	mg/kg	1	0.052	0.000		0.051	0.000		0.060	0.000		0.007	0.000		0.068	0.000	
Bi	mg/kg																
B	mg/kg	3	14.8	1.57		3.65	0.810		10.3	1.55		2.89	1.54		2.75	0.630	
Ca	mg/kg	4	32,700	1,990		1,340	56.5		4,250	364		633	18.8		987	67.5	
Cd	mg/kg	5	0.400	0.224		0.320	0.201		0.780	0.320		0.100	0.100		0.350	0.349	
Co	mg/kg	4	8.53	1.19		9.58	0.395		5.75	1.07		1.53	0.320		11.3	0.845	
Cr	mg/kg	5	13.3	4.27		14.3	2.28		15.6	1.06		4.54	0.540		16.5	1.43	
Cu	mg/kg	6	16.8	3.15		12.6	1.65		11.1	1.15		4.58	2.50		12.0	0.515	
Fe	mg/kg	4	18,000	2,180		15,700	580		9,490	1,140		3,860	580		19,100	598	
K	mg/kg	4	6,370	207		1,190	108		1,490	171		396	13.0		1,090	118	
Li	mg/kg	1	6.62	0.000		3.57	0.000		1.67	0.000		0.229	0.000		4.93	0.000	
Mg	mg/kg	4	10,100	296		1,670	147		2,090	250		540	29.7		1,340	97.5	
Mn	mg/kg	4	521	19.9		664	39.6		915	72.2		348	15.8		963	67.7	
Mo	mg/kg	4	0.505	0.261		0.630	0.270		0.570	0.186		0.200	0.120		0.848	0.530	
Na	mg/kg	3	810	44.2		96.3	8.26		134	46.0		24.2	15.4		87.4	13.3	
Ni	mg/kg	6	8.56	1.59		14.0	1.87		18.9	2.70		2.67	1.16		12.4	1.45	
P	mg/kg	5	1,160	33.8		630	14.3		513	35.0		255	12.0		725	8.90	
Pb	mg/kg	5	8.30	1.96		14.7	0.530		8.30	0.630		4.20	0.800		16.0	1.40	
S	mg/kg	3	527	6.61		216	2.63		251	4.91		64.8	14.2		158	8.08	
Sb	mg/kg	1	0.924	0.000		1.12	0.000		0.836	0.000		0.079	0.000		1.23	0.000	
Se	mg/kg	2	1.50	1.50		1.15	0.850		2.13	1.17		2.60	0.683		1.26	0.936	
Sn	mg/kg																
Sr	mg/kg	2	93.6	8.34		10.7	2.00		19.9	5.68		2.11	0.362		5.83	1.23	
V	mg/kg	2	55.2	0.018		27.5	1.43		33.8	9.94		8.79	0.388		31.5	1.56	
Zn	mg/kg	6	54.1	3.95		46.2	1.60		49.6	3.18		13.5	1.40		34.8	0.750	
Hg (US-EPA 7470 or 7471)	mg/kg	2	0.018	0.006		0.034	0.004		0.032	0.002		0.024	0.016		0.058	0.008	

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.