



2017 North American Proficiency Testing Program
2nd Quarter Report - July 11, 2017

Laboratory ID
general

Environmental Soil Analyses	Units	n	Soil 2017-106			Soil 2017-107			Soil 2017-108			Soil 2017-109			Soil 2017-110		
			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}
Ag	mg/kg																
Al	mg/kg	8	19400	2160		4030	389		20500	2070		23600	5540		13800	1160	
As	mg/kg	5	4.43	0.930		1.64	0.500		4.39	0.330		3.47	0.851		6.07	1.07	
Ba	mg/kg	3	81.8	6.80		62.9	9.84		129	4.00		146	5.00		98.6	6.60	
Be	mg/kg																
Bi	mg/kg																
B	mg/kg	6	6.20	4.46		7.07	2.59		19.8	8.30		11.7	3.27		7.20	2.69	
Ca	mg/kg	5	2360	34.0		3390	45.0		24300	250		29300	965		1940	45.0	
Cd	mg/kg	6	0.595	0.325		0.210	0.023		0.735	0.255		0.560	0.250		0.325	0.185	
Co	mg/kg	6	12.7	0.380		2.55	0.168		6.86	0.327		7.40	0.600		8.32	0.344	
Cr	mg/kg	8	25.8	4.90		7.16	0.743		26.2	5.95		24.9	2.52		20.5	2.06	
Cu	mg/kg	8	22.3	3.52		3.10	0.500		16.9	2.86		15.9	2.86		9.68	2.15	
Fe	mg/kg	6	26300	1730		5830	859		17800	2110		19700	887		15500	1300	
K	mg/kg	5	2110	445		1220	248		6300	1440		7240	2050		1600	808	
Li	mg/kg	1	201	0.000		43.6	0.000		171	0.000		186	0.000		124	0.000	
Mg	mg/kg	5	4710	19.0		1560	148		9470	1080		9440	1170		1730	290	
Mn	mg/kg	6	721	29.0		469	26.5		334	19.4		493	17.3		708	55.4	
Mo	mg/kg	5	1.10	0.660		0.210	0.083		1.30	0.550		0.694	0.429		0.766	0.508	
Na	mg/kg	4	86.9	13.7		56.9	15.2		246	58.9		133	27.6		104	11.3	
Ni	mg/kg	8	21.5	2.12		6.25	0.570		16.9	1.87		16.9	1.20		12.6	1.35	
P	mg/kg	7	1560	37.0		351	8.15		948	47.3		713	13.2		505	32.8	
Pb	mg/kg	7	17.8	2.25		4.00	0.300		11.0	1.90		15.3	1.70		12.3	0.600	
S	mg/kg	4	225	10.0		231	7.95		538	18.9		342	10.6		158	5.97	
Sb	mg/kg	2	0.855	0.555		0.000	0.000		0.700	0.100		0.500	0.100		0.710	0.310	
Se	mg/kg	4	0.795	0.495		0.750	0.600		0.795	0.205		1.30	1.30		1.20	1.00	
Sn	mg/kg		0.000	0.000		0.000	0.000		0.000	0.000		0.000	0.000		0.000	0.000	
Sr	mg/kg	3	10.0	2.43		12.0	2.84		131	1.87		48.0	1.71		12.0	2.83	
V	mg/kg	3	35.2	6.55		21.6	3.56		52.2	15.9		38.6	15.9		37.8	3.55	
Zn	mg/kg	8	97.7	7.50		24.7	2.71		72.1	6.50		60.9	7.51		42.8	2.91	
Hg (US-EPA 7470 or	mg/kg	2	0.024	0.023		0.016	0.015		0.014	0.013		0.016	0.015		0.022	0.021	

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