



2015 North American Proficiency Testing Program
4th Quarter Report - January 15, 2016

Laboratory ID
general

Environmental Soil Analyses	Units	n	Soil 2015-116			Soil 2015-117			Soil 2015-118			Soil 2015-119			Soil 2015-120		
			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	1														0.100	0.000
Al	mg/kg	9	12300	950		17200	1870		19200	4210		7890	1450		22600	739	
As	mg/kg	7	9.40	0.700		2.86	0.500		11.9	1.19		0.890	0.205		8.68	1.27	
Ba	mg/kg	4	89.5	3.86		157	2.51		248	19.0		38.8	2.35		57.7	1.95	
Be	mg/kg	3	0.600	0.100		0.700	0.100		0.900	0.000		0.200	0.100		2.90	0.300	
Bi	mg/kg																
B	mg/kg	6	8.03	3.16		5.74	1.35		8.21	0.48		3.48	2.68		7.91	2.65	
Ca	mg/kg	8	7590	652		2890	135		4460	140		998	85.0		2080	139	
Cd	mg/kg	7	0.430	0.045		0.240	0.030		0.200	0.200		0.131	0.031		0.300	0.034	
Co	mg/kg	7	6.03	0.393		6.00	0.600		13.0	0.465		4.15	0.207		7.89	0.600	
Cr	mg/kg	8	16.0	2.02		14.0	1.95		20.4	3.25		25.1	4.63		24.7	1.81	
Cu	mg/kg	9	18.1	3.10		9.59	0.77		15.0	2.30		33.9	1.60		20.8	3.50	
Fe	mg/kg	8	12900	580		12800	1290		20900	1650		7540	1270		22800	1000	
K	mg/kg	8	2670	243		2430	423		1120	118		909	94.0		2260	456	
Li	mg/kg	3	11.5	1.50		14.2	3.20		11.2	4.20		3.10	0.100		38.5	2.50	
Mg	mg/kg	8	4160	201		3560	191		2560	113		1600	84.9		3280	51.0	
Mn	mg/kg	8	356	19.9		371	23.0		790	68.2		125	6.78		374	30.2	
Mo	mg/kg	4	0.860	0.220		0.835	0.320		0.990	0.395		0.583	0.083		2.75	1.07	
Na	mg/kg	6	98.7	12.3		68.5	15.1		94.0	20.2		82.7	7.50		110	14.7	
Ni	mg/kg	8	11.5	0.895		10.4	0.690		12.9	0.700		17.4	2.63		12.7	0.803	
P	mg/kg	9	760	36.0		272	11.0		400	21.0		186	10.0		1260	100	
Pb	mg/kg	7	16.5	2.40		9.20	1.08		21.0	1.89		4.19	0.580		34.7	4.50	
S	mg/kg	6	136	36.5		113	17.3		225	16.0		58.6	17.6		318	18.8	
Sb	mg/kg	2	2.91	2.41		2.31	2.01		2.98	2.08		3.50	0.000		4.48	0.000	
Se	mg/kg	2	0.705	0.195		0.660	0.240		0.900	0.370		0.685	0.215		0.700	0.110	
Sn	mg/kg																
Sr	mg/kg	4	22.1	0.899		24.3	1.05		34.4	3.40		7.56	0.266		9.25	1.01	
V	mg/kg	3	20.4	7.70		23.9	10.7		46.2	17.9		26.7	4.26		35.4	2.17	
Zn	mg/kg	9	45.7	3.00		40.0	2.60		47.0	2.60		78.9	5.80		107	2.40	
Hg (US-EPA 7470 or 7471)	mg/kg	1	0.030	0.000		0.020	0.000		0.030	0.000		0.040	0.000		0.040	0.010	

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.