



2013 North American Proficiency Testing Program
1st Quarter Report - April 17, 2013

Laboratory ID
general

Environmental Soil Analyses	Units	n	Soil 2013-101			Soil 2013-102			Soil 2013-103			Soil 2013-104			Soil 2013-105		
			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	0.00	0.000		0.000	0.000		0.000	0.000		0.000	0.000		0.000	0.000	
Al	mg/kg	8	19700	1980		21200	2000		15200	1320		13600	2470		16900	1880	
As	mg/kg	7	5.89	1.21		14.9	4.10		7.39	1.78		8.80	2.60		4.43	1.33	
Ba	mg/kg	5	118	14.2		218	31.1		166	24.0		288	61.0		86.0	28.8	
Be	mg/kg	4	0.650	0.090		0.800	0.095		0.600	0.100		0.500	0.195		0.600	0.150	
Bi	mg/kg																
B	mg/kg	7	6.12	2.08		13.5	2.12		5.97	1.92		7.98	4.02		11.2	3.21	
Ca	mg/kg	7	2480	162		66000	7860		2440	304		4410	486		16200	555	
Cd	mg/kg	7	0.480	0.480		7.13	0.870		0.375	0.062		0.415	0.056		0.375	0.060	
Co	mg/kg	8	13.6	1.40		6.38	0.885		10.2	1.09		7.54	0.945		3.99	0.395	
Cr	mg/kg	9	19.3	2.10		151	15.3		15.1	1.69		14.4	1.93		10.7	1.44	
Cu	mg/kg	9	20.4	1.38		50.9	3.40		10.9	1.08		12.9	1.21		10.5	1.24	
Fe	mg/kg	8	27900	1760		21700	1520		18100	864		16300	2210		12600	1700	
K	mg/kg	7	2430	658		2610	304		1460	184		3030	701		5350	815	
Li	mg/kg	2	80.9	30.6		131	119		101	81.3		162	141		60.5	45.5	
Mg	mg/kg	7	4680	415		4920	732		1490	198		2360	377		3620	469	
Mn	mg/kg	8	739	33.6		305	23.4		1130	32.4		836	46.1		247	18.1	
Mo	mg/kg	4	4.14	3.85		18.3	2.26		3.36	2.30		2.74	2.30		2.70	2.50	
Na	mg/kg	6	84.1	25.6		220	22.8		72.5	33.6		89.2	23.8		156	33.2	
Ni	mg/kg	9	19.7	1.60		149	13.0		16.0	1.00		14.3	1.80		9.92	0.920	
P	mg/kg	8	1520	153		12400	839		475	44.5		863	41.0		345	24.0	
Pb	mg/kg	8	20.6	4.79		8.67	5.06		18.7	2.63		17.9	2.25		9.61	2.62	
S	mg/kg	7	198	36.3		340	23.9		140	14.0		261	18.9		252	14.8	
Sb	mg/kg	2	0.000	0.000		0.000	0.000		0.800	0.800		0.000	0.000		0.050	0.050	
Se	mg/kg	3	0.380	0.110		5.37	1.66		0.370	0.080		0.690	0.170		3.09	1.41	
Sn	mg/kg																
Sr	mg/kg	5	15.7	4.70		244	29.4		9.79	2.84		38.0	10.6		71.3	14.6	
V	mg/kg	4	34.5	8.30		254	17.7		39.4	9.95		51.0	17.8		21.6	8.00	
Zn	mg/kg	9	96.5	7.70		220	14.8		46.7	2.08		64.0	5.20		44.2	5.09	
Hg (US-EPA 7470 or 7471)	mg/kg	3	0.040	0.033		0.083	0.037		0.031	0.012		0.038	0.022		0.034	0.016	

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.