



2012 North American Proficiency Testing Program
1st Quarter Report - April 9, 2012

Laboratory ID
general

Environmental Soil Analyses	Units	n	Soil 2012-101			Soil 2012-102			Soil 2012-103			Soil 2012-104			Soil 2012-105		
			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	2	1.15	0.850		0.400	0.000		0.300	0.000		0.100	0.100		0.500	0.000	
Al	mg/kg	12	19700	2050		9750	1870		4790	704		17600	2290		11800	2640	
As	mg/kg	9	12.6	1.70		8.94	1.22		1.98	0.304		2.60	0.401		2.60	1.33	
Ba	mg/kg	9	178	12.5		26.0	3.80		57.3	12.2		173	6.00		149	14.0	
Be	mg/kg	5	1.40	0.350		0.900	0.400		0.650	0.400		0.500	0.500		0.650	0.415	
Bi	mg/kg																
B	mg/kg	9	14.0	2.40		20.7	3.79		3.70	0.150		12.4	2.16		8.49	2.90	
Ca	mg/kg	11	78000	4670		896	296		7400	449		3700	346		1740	139	
Cd	mg/kg	12	6.77	0.945		0.551	0.096		0.269	0.019		0.524	0.083		0.324	0.259	
Co	mg/kg	11	5.25	1.25		2.15	0.380		2.69	0.605		10.8	0.700		5.68	0.850	
Cr	mg/kg	13	167	22.0		68.4	6.40		5.70	0.683		16.3	3.27		13.3	3.10	
Cu	mg/kg	13	60.7	7.30		6.90	1.33		6.00	1.07		18.0	3.00		7.70	1.23	
Fe	mg/kg	12	18500	909		30900	3500		5730	918		23200	3740		11100	2330	
K	mg/kg	11	4120	371		2150	342		1360	160		3200	190		2970	422	
Li	mg/kg	3	6.40	0.400		6.00	2.80		5.00	2.37		12.0	1.53		13.0	2.18	
Mg	mg/kg	11	7180	345		1420	321		1360	274		3800	564		3210	546	
Mn	mg/kg	12	226	23.5		81.7	11.7		121	13.7		546	23.5		449	10.5	
Mo	mg/kg	9	20.2	3.58		4.90	4.90		3.00	3.00		6.50	6.50		4.40	4.40	
Na	mg/kg	9	257	47.0		55.8	40.9		76.6	9.27		290	32.8		50.8	15.2	
Ni	mg/kg	13	140	12.7		6.60	0.638		4.90	0.561		13.0	2.20		11.6	1.98	
P	mg/kg	12	15500	1380		946	105		381	42.0		756	84.1		243	50.7	
Pb	mg/kg	12	11.7	2.35		22.4	3.04		6.90	1.20		10.0	1.70		12.5	5.05	
S	mg/kg	10	381	54.4		88.5	13.0		111	15.0		109	9.00		136	18.0	
Sb	mg/kg	4	14.7	13.4		0.600	0.600		1.60	1.60		0.600	0.600		0.600	0.600	
Se	mg/kg	6	6.43	0.981		0.585	0.359		0.241	0.166		0.060	0.060		0.240	0.240	
Sn	mg/kg	1	9.40	0.000		5.40	0.000		3.40	0.000		7.40	0.000		4.60	0.000	
Sr	mg/kg	9	252	32.0		5.88	1.12		33.1	5.44		31.0	5.70		14.7	1.30	
V	mg/kg	8	267	37.1		59.5	6.55		13.3	3.10		46.4	4.13		24.2	3.46	
Zn	mg/kg	13	238	12.0		51.0	8.80		24.3	4.12		52.0	9.40		29.5	4.85	
Hg (US-EPA 7470 or 7471)	mg/kg	3	0.070	0.021		0.100	0.040		0.054	0.046		0.020	0.003		0.020	0.005	

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