



2009 North American Proficiency Testing Program
1st Quarter Report - April 25, 2009

Laboratory ID

Environmental Soil Analyses	Units	n	Soil 2009-101			Soil 2009-102			Soil 2009-103			Soil 2009-104			Soil 2009-105		
			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	0						0.120	0.000								
Al	mg/kg	9	20899	2958		13154	2607	19284	3490		21500	2283		15797	3427		
As	mg/kg	9	3.13	0.553		3.64	0.880	3.61	0.504		2.71	0.291		3.20	0.590		
Ba	mg/kg	6	296	27.0		121	10.0	143	10.6		130	2.5		176	5.5		
Be	mg/kg	6	0.739	0.063		0.879	0.088	1.00	0.231		0.474	0.042		0.726	0.061		
Bi	mg/kg	1	0.193	0.000		0.101	0.000	0.223	0.000		0.040	0.000		0.149	0.000		
B	mg/kg	6	8.31	5.33		3.55	1.85	19.7	3.13		4.71	4.71		9.34	2.64		
Ca	mg/kg	8	4678	348		3270	141	14400	915		6181	561		3150	241		
Cd	mg/kg	9	0.295	0.272		0.155	0.133	0.575	0.163		0.080	0.056		0.180	0.120		
Co	mg/kg	11	10.6	0.93		6.44	0.894	7.74	0.740		17.2	1.48		5.91	0.604		
Cr	mg/kg	11	16.5	2.20		18.5	4.10	21.9	5.38		26.4	2.85		13.6	2.45		
Cu	mg/kg	12	15.4	1.47		6.44	0.380	23.7	2.06		24.1	2.18		12.2	0.52		
Fe	mg/kg	9	21200	1603		12500	1469	19413	1672		30500	1568		14600	1081		
K	mg/kg	9	2853	218		489	59.3	7675	829		772	48.5		2308	325		
Li	mg/kg	3	12.0	0.94		7.14	0.56	18.2	6.02		6.90	1.75		11.7	2.38		
Mg	mg/kg	9	3575	160		1092	211	8988	713		5533	254		3706	334		
Mn	mg/kg	9	925	96.5		201	16.5	537	56.8		547	29.3		377	23.6		
Mo	mg/kg	6	0.343	0.325		0.303	0.228	0.353	0.353		0.141	0.141		0.692	0.533		
Na	mg/kg	7	162	40.9		145	25.9	228	100		741	208		69.3	9.52		
Ni	mg/kg	12	16.2	1.21		8.38	1.87	17.1	2.47		32.4	2.60		10.5	1.20		
P	mg/kg	10	859	50.5		144	16.3	1381	101		769	51.3		241	9.6		
Pb	mg/kg	12	11.2	4.45		14.5	1.23	15.1	3.18		7.53	4.31		9.94	0.900		
S	mg/kg	7	209	16.0		159	6.4	337	43.0		57.2	7.90		101	5.4		
Sb	mg/kg	0															
Se	mg/kg	4	0.207	0.162		0.445	0.133	0.167	0.102		0.224	0.194		0.080	0.020		
Sn	mg/kg	0															
Sr	mg/kg	7	49.6	1.92		28.9	1.15	42.7	3.0		98.7	3.95		24.7	0.98		
V	mg/kg	6	37.8	2.56		29.5	8.06	21.4	5.8		89.2	7.16		24.0	5.75		
Zn	mg/kg	12	72.6	6.73		24.3	5.10	89.2	6.3		55.8	4.48		41.9	3.59		
Hg (US-EPA 7470)	mg/kg	1	0.030	0.000		0.021	0.001	0.021	0.001		0.006	0.007		0.005	0.003		

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.