



2011 North American Proficiency Testing Program  
1st Quarter Report - May 9, 2011

Laboratory ID  
General

Environmental		Soil 2011-101			Soil 2011-102			Soil 2011-103			Soil 2011-104			Soil 2011-105			
Soil Analyses	Units	n	Median	MAD	Lab <sup>1,2</sup>	Median	MAD	Lab <sup>1,2</sup>	Median	MAD	Lab <sup>1,2</sup>	Median	MAD	Lab <sup>1,2</sup>	Median	MAD	Lab <sup>1,2</sup>
Ag	mg/kg	2	0.160	0.160		0.08	0.08		0.120	0.120		0.100	0.100		0.160	0.160	
Al	mg/kg	11	16058	2468		14145	2991		7625	1230		14105	1903		15633	2781	
As	mg/kg	8	21.33	22.417		16.46	19.29		9.59	13.55		15.25	20.11		19.14	24.22	
Ba	mg/kg	9	124.6	21.20		276	174.6		96.9	19.80		70.9	18.00		155	14.35	
Be	mg/kg	5	0.826	0.221		0.506	0.205		0.167	0.117		0.342	0.171		0.59	0.20	
Bi	mg/kg																
B	mg/kg	8	11.18	5.170		15.45	5.08		6.61	4.27		7.06	3.75		8.1	3.22	
Ca	mg/kg	10	6102	450.6		29510	5901		3425	333		1911	156		2400	163	
Cd	mg/kg	7	2.244	2.503		1.952	2.088		2.415	2.937		1.669	1.949		1.854	1.949	
Co	mg/kg	11	14.533	2.890		6.59	0.96		10.65	3.39		5.68	1.080		9.42	2.158	
Cr	mg/kg	12	30.11	5.27		19.3	4.38		9.8	1.94		20.71	3.22		16.4	3.31	
Cu	mg/kg	12	38.49	6.983		16.8	4.50		11.38	4.53		11.53	3.73		13.0	3.23	
Fe	mg/kg	11	22597	1711		15475	1996		21492	4039		16128	901		15543	1941	
K	mg/kg	10	1335	228.3		3745	475		1756	217.4		829	159.6		2853	381	
Li	mg/kg	3	13.54	6.749		19.69	4.15		5.72	1.48		8.28	2.082		9.7	2.90	
Mg	mg/kg	10	2075	222.1		8778	1932		3835	312		1714	97		3054	376	
Mn	mg/kg	11	1098.7	77.96		347	16.4		386	25.4		157	5.2		409	38.4	
Mo	mg/kg	6	3.730	3.360		2.715	2.326		1.667	1.851		9.806	12.256		2.305	2.294	
Na	mg/kg	9	82.9	27.0		745.7	68.5		223	81		55.7	25.4		69	24.9	
Ni	mg/kg	12	16.97	4.571		17.8	2.23		8.88	1.96		9.65	1.81		14.0	1.745	
P	mg/kg	11	1742	107.9		690	31.4		910	36.3		626	33.8		346	35.3	
Pb	mg/kg	12	35.22	8.884		17.1	5.24		9.86	6.328		17.91	6.278		19.0	6.02	
S	mg/kg	9	326	20.18		1004	43.4		97	11.3		176	8.8		204	7	
Sb	mg/kg	1	0.000	0.000		0.000	0.000		0.000	0.000		0.10	0.00		0.00	0.00	
Se	mg/kg	4	0.820	0.775		0.531	0.507		0.440	0.546		0.440	0.434		0.521	0.472	
Sn	mg/kg	1	0.00	0.00		0.00	0.00		0.00	0.00		0.60	0.00		0.000	0.00	
Sr	mg/kg	8	21.76	3.63		133.3	7.43		17.94	3.30		5.6	0.97		26.4	2.88	
V	mg/kg	7	32.17	4.82		25.2	7.94		161.2	198.72		27.3	3.71		26.9	9.61	
Zn	mg/kg	12	78.9	11.35		58.2	9.24		45.5	12.45		32.3	5.94		50	8.77	
Hg (US-EPA 7470)	mg/kg	3	0.090	0.073		0.083	0.078		0.200	0.000		0.050	0.033		0.110	0.090	

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.