



2010 North American Proficiency Testing Program
2nd Quarter Report - July 16, 2010

Laboratory ID

Environmental Soil Analyses	Soil 2010-106			Soil 2010-107			Soil 2010-108			Soil 2010-109			Soil 2010-110				
	Units	n	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		1.53	1.53		0.000	0.000		0.000	0.000		0.300	0.000	
Al	mg/kg	10	3558	571		12970	2976		8207	812		5661	847		8482	2453	
As	mg/kg	8	1.36	0.420		9.28	3.04		3.99	0.65		2.29	1.21		4.49	1.05	
Ba	mg/kg	7	19.7	1.60		202	17.6		62.9	3.37		65.9	8.82		67	7.70	
Be	mg/kg	2	0.022	0.022		0.476	0.076		0.311	0.011		0.120	0.020		0.29	0.09	
Bi	mg/kg	0															
B	mg/kg	7	1.60	0.470		5.41	2.71		5.63	1.00		5.06	2.86		29.1	6.72	
Ca	mg/kg	9	599	79.8		2329	145		1623	344		7402	739		45642	1826	
Cd	mg/kg	7	0.100	0.100		0.240	0.240		0.460	0.240		0.310	0.110		0.440	0.290	
Co	mg/kg	7	0.200	0.138		9.10	1.30		5.04	1.06		2.68	0.410		3.20	0.332	
Cr	mg/kg	11	7.78	1.13		16.5	3.77		13.4	2.24		7.28	2.31		14.3	4.70	
Cu	mg/kg	11	2.37	0.370		14.5	1.44		8.97	1.63		6.60	2.00		14.8	1.15	
Fe	mg/kg	10	3315	363		19382	787		11711	1604		6540	870		9723	701	
K	mg/kg	9	531	42.2		1494	363		1754	79.0		1513	60.5		2864	675	
Li	mg/kg	3	1.41	0.538		8.33	2.76		7.79	3.33		2.80	0.209		10.5	2.80	
Mg	mg/kg	9	203	14.0		1872	203		2113	203		1548	107		13587	1439	
Mn	mg/kg	10	40.9	4.76		923	94.9		284	12.9		133	7.5		182	13.9	
Mo	mg/kg	5	0.159	0.159		0.709	0.709		0.773	0.773		0.680	0.680		0.800	0.800	
Na	mg/kg	8	60.0	19.9		65.9	23.2		198	113		72.4	28.0		478	34.5	
Ni	mg/kg	10	1.10	0.632		10.4	1.66		7.94	1.46		5.49	1.19		10.1	0.718	
P	mg/kg	10	151	13.3		624	25.0		623	40.3		417	16.7		1205	48.2	
Pb	mg/kg	10	4.83	0.546		19.2	2.97		7.20	0.600		5.94	0.866		8.4	2.01	
S	mg/kg	9	176	7.04		232	33.2		152	17.0		118	23.7		3874	155	
Sb	mg/kg	2	0.151	0.151		0.000	7.350		0.056	0.056		1.43	1.43		3.65	3.65	
Se	mg/kg	4	0.232	0.167		0.739	0.739		0.023	0.023		0.058	0.058		0.641	0.499	
Sn	mg/kg	2	6.00	6.00		6.00	6.00		5.80	5.80		5.50	5.50		5.000	5.00	
Sr	mg/kg	8	2.73	0.24		14.5	2.00		8.49	2.10		35.5	3.95		59.5	2.38	
V	mg/kg	6	9.11	1.24		37.9	7.02		16.4	6.35		13.0	5.17		15.1	5.74	
Zn	mg/kg	11	12.0	2.82		43.3	4.19		58.0	8.65		22.2	2.70		45	4.26	
Hg (US-EPA 7470)	mg/kg	2	0.006	0.006		0.016	0.016		0.006	0.006		0.007	0.007		0.013	0.013	

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