



2011 North American Proficiency Testing Program
2nd Quarter Report - October 11, 2011

Laboratory ID
general

Environmental Soil Analyses	Units	n	Soil 2010-106			Soil 2010-107			Soil 2010-108			Soil 2010-109			Soil 2010-110		
			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	0.885	0.089		0.30	0.03		0.000	0.000		0.065	0.007		0.000	0.000	
Al	mg/kg	13	20500	1700		15200	877		11400	1090		12100	1140		8010	606	
As	mg/kg	10	9.43	1.28		5.02	0.975		4.12	0.412		6.95	1.47		1.66	0.166	
Ba	mg/kg	9	135	12.0		192	33.0		86.8	5.84		246	14.5		86.0	7.25	
Be	mg/kg	6	0.800	0.165		0.480	0.045		0.425	0.030		0.605	0.020		0.105	0.011	
Bi	mg/kg																
B	mg/kg	10	12.2	1.22		32.9	5.00		6.40	2.00		6.20	0.620		4.81	0.481	
Ca	mg/kg	12	127000	2670		18100	749		2930	172		4240	169		3300	182	
Cd	mg/kg	12	5.21	0.390		0.993	0.253		0.500	0.300		0.516	0.306		0.480	0.350	
Co	mg/kg	11	5.20	0.820		6.38	0.855		5.05	0.464		7.30	1.07		9.53	1.75	
Cr	mg/kg	13	140	22.0		16.9	3.15		14.2	2.52		14.9	1.40		9.27	1.22	
Cu	mg/kg	13	50.97	2.530		36.7	5.40		9.60	1.30		13.00	1.25		10.0	1.23	
Fe	mg/kg	13	17700	1370		16000	1120		13000	916		16000	964		23000	2000	
K	mg/kg	11	3360	153		6530	570		1240	223		2490	221		1800	136	
Li	mg/kg	3	6.99	0.090		48.0	4.80		10.1	1.01		9.42	0.942		7.83	0.783	
Mg	mg/kg	11	4300	343		12200	1110		2240	208		2400	189		3930	245	
Mn	mg/kg	13	210	17.8		468	26.0		229	27.7		809	73.0		378	17.0	
Mo	mg/kg	10	14.3	2.65		1.00	0.250		1.10	0.700		0.300	0.030		0.300	0.030	
Na	mg/kg	10	269	30.0		460	56.6		37.4	6.80		86.2	17.1		198	19.8	
Ni	mg/kg	13	126	7.50		14.8	1.53		10.6	2.35		14.5	1.79		9.63	1.10	
P	mg/kg	12	14700	835		931	81.0		420	27.0		828	52.1		932	50.1	
Pb	mg/kg	13	6.94	0.694		47.4	3.76		11.4	2.30		16.7	2.41		5.29	1.29	
S	mg/kg	11	313	23.0		321	20.1		267	23.8		269	12.5		103	16.0	
Sb	mg/kg	3	0.100	0.010		0.000	0.000		0.100	0.010		0.00	0.00		0.00	0.00	
Se	mg/kg	7	7.85	0.785		1.20	0.120		1.70	0.170		1.34	0.134		1.75	0.175	
Sn	mg/kg	1	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00		5.20	0.00	
Sr	mg/kg	9	398	26.4		126	9.40		11.0	1.47		31.0	2.00		18.3	3.80	
V	mg/kg	8	194	44.5		20.8	2.08		21.4	2.14		29.9	7.35		49.1	4.91	
Zn	mg/kg	13	193	11.0		83.6	4.70		37.6	4.53		64.7	5.10		52.1	4.80	
Hg (US-EPA 7470 or 7471)	mg/kg	4	0.085	0.008		0.028	0.003		0.021	0.002		0.022	0.003		0.005	0.001	

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.