



2012 North American Proficiency Testing Program
2nd Quarter Report - July 31, 2012

Laboratory ID
general

Environmental Soil Analyses	Units	n	Soil 2012-106			Soil 2012-107			Soil 2012-108			Soil 2012-109			Soil 2012-110		
			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	1	0.00	0.000		0.100	0.100		0.050	0.050		0.050	0.050		0.000	0.000	
Al	mg/kg	9	9830	413		17800	2390		11000	1010		18800	1650		9790	1410	
As	mg/kg	7	2.65	0.413		3.50	0.764		2.40	0.443		5.38	1.04		3.10	0.655	
Ba	mg/kg	7	92.0	1.30		177	13.0		56.1	6.40		145	9.00		45.4	4.60	
Be	mg/kg	3	0.200	0.000		0.200	0.100		0.325	0.125		0.495	0.205		0.350	0.050	
Bi	mg/kg																
B	mg/kg	4	8.93	5.98		5.11	0.614		9.32	1.06		8.53	1.07		2.13	0.595	
Ca	mg/kg	8	2370	285		3800	342		5290	308		17200	467		1830	35.0	
Cd	mg/kg	7	0.405	0.082		0.545	0.096		0.444	0.046		0.525	0.053		0.160	0.020	
Co	mg/kg	8	5.90	0.585		12.2	1.59		6.00	0.290		11.5	1.14		3.19	0.190	
Cr	mg/kg	9	17.9	2.21		16.7	1.18		18.3	1.35		31.1	4.38		7.98	1.36	
Cu	mg/kg	9	8.40	0.550		18.7	1.05		25.5	2.20		40.9	5.00		4.43	0.560	
Fe	mg/kg	9	13200	1410		25500	3060		14500	786		24200	2000		5390	1030	
K	mg/kg	8	3410	269		3490	284		1640	184		3500	250		871	85.2	
Li	mg/kg	2	13.7	2.28		12.5	0.520		9.85	0.150		22.7	0.265		3.02	0.020	
Mg	mg/kg	8	4240	264		3940	147		4200	216		9110	372		1550	150	
Mn	mg/kg	9	233	10.8		577	23.0		427	45.1		303	17.0		157	6.25	
Mo	mg/kg	3	0.690	0.230		1.06	0.970		3.81	0.390		1.58	0.580		3.96	2.55	
Na	mg/kg	7	204	33.4		322	52.0		101	16.0		297	38.0		159	22.7	
Ni	mg/kg	9	15.8	0.960		13.6	1.64		12.8	1.35		24.5	2.41		4.29	0.240	
P	mg/kg	8	583	23.3		762	25.5		751	37.7		682	29.0		160	8.34	
Pb	mg/kg	9	4.76	0.670		10.8	1.19		10.7	1.60		26.9	1.34		7.64	1.15	
S	mg/kg	7	70.1	6.30		108	9.10		344	10.9		352	6.94		67.2	8.40	
Sb	mg/kg	2	12.3	2.72		17.9	8.39		14.5	2.32		15.3	2.58		17.2	9.56	
Se	mg/kg	3	0.229	0.189		0.158	0.142		0.435	0.080		0.694	0.015		0.215	0.065	
Sn	mg/kg	1	4.10	0.000		7.00	0.000		4.80	0.000		2.10	0.000		7.60	0.000	
Sr	mg/kg	6	14.4	2.10		34.0	3.10		8.88	0.755		66.4	3.14		18.5	1.55	
V	mg/kg	6	33.9	1.10		54.0	6.60		30.1	1.81		34.1	5.62		11.8	2.90	
Zn	mg/kg	9	39.0	1.07		55.1	3.13		48.7	3.02		75.3	5.29		18.1	2.76	
Hg (US-EPA 7470 or 7471)	mg/kg	2	0.055	0.046		0.018	0.003		0.020	0.002		0.022	0.002		0.109	0.009	

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.