



2013 North American Proficiency Testing Program
2nd Quarter Report - July 9, 2013

Laboratory ID
general

Environmental Soil Analyses	Units	n	Soil 2013-106			Soil 2013-107			Soil 2013-108			Soil 2013-109			Soil 2013-110		
			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		0.000	0.000		0.000	0.000		0.700	0.700		0.000	0.000	
Al	mg/kg	8	15200	1970		14000	560		19100	1040		16100	1290		11500	707	
As	mg/kg	7	6.00	0.460		3.60	0.400		2.80	0.840		15.6	1.48		2.99	0.490	
Ba	mg/kg	5	140	8.00		79.7	7.40		293	10.4		130	9.90		97.3	5.70	
Be	mg/kg	3	0.800	0.000		0.800	0.000		0.700	0.000		0.800	0.100		0.400	0.000	
Bi	mg/kg																
B	mg/kg	6	5.52	2.55		3.18	1.18		4.10	1.07		10.1	0.210		4.40	1.28	
Ca	mg/kg	7	1870	116		2500	94.0		4860	141		83400	21800		3870	449	
Cd	mg/kg	8	0.185	0.175		0.140	0.095		0.265	0.128		7.72	0.955		0.430	0.345	
Co	mg/kg	8	10.6	0.595		6.77	0.360		11.8	0.650		5.77	1.05		11.0	1.55	
Cr	mg/kg	9	16.0	2.20		15.9	2.34		16.2	1.51		124	6.20		14.2	0.710	
Cu	mg/kg	9	10.7	0.710		9.80	0.800		14.6	1.60		44.6	3.40		17.0	2.00	
Fe	mg/kg	8	17000	1220		13800	812		20500	1720		18000	1213		21300	1662	
K	mg/kg	7	1530	230		1320	123		2900	238		3700	84.9		2310	188	
Li	mg/kg	1	8.00	0.000		11.0	0.000		12.0	0.000		5.00	0.000		9.00	0.000	
Mg	mg/kg	7	1390	91.0		2000	7.00		3290	111		3630	177		3940	96.0	
Mn	mg/kg	8	1140	41.1		249	15.2		1000	64.5		190	16.3		400	26.6	
Mo	mg/kg	4	1.51	0.660		2.62	2.06		0.92	0.735		24.2	3.80		2.23	1.61	
Na	mg/kg	4	44.8	15.7		58.6	21.6		124	16.4		186	3.15		213	17.7	
Ni	mg/kg	9	16.3	1.50		10.2	0.920		16.4	1.12		123	17.1		12.5	1.20	
P	mg/kg	8	441	20.0		626	22.9		771	34.6		10000	538		899	53.0	
Pb	mg/kg	8	18.3	2.47		16.8	2.69		13.5	4.47		8.32	3.10		10.8	2.98	
S	mg/kg	6	141	12.4		260	8.75		214	3.85		319	13.9		123	6.01	
Sb	mg/kg											0.500	0.000				
Se	mg/kg	3	0.600	0.250		0.400	0.050		0.730	0.650		4.32	0.720		1.26	1.15	
Sn	mg/kg																
Sr	mg/kg	4	8.45	1.22		7.40	1.22		48.4	4.85		305	28.2		23.8	2.30	
V	mg/kg	4	28.9	4.15		25.5	3.25		38.8	3.35		255	35.2		45.4	4.15	
Zn	mg/kg	9	41.7	2.70		46.0	2.30		62.0	2.00		179	12.2		76.4	3.40	
Hg (US-EPA 7470 or 7471)	mg/kg	3	0.019	0.009		0.031	0.001		0.032	0.012		0.051	0.001		0.511	0.490	

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.