



2014 North American Proficiency Testing Program  
2nd Quarter Report - July 15, 2014

Laboratory ID  
general

Environmental Soil Analyses	Units	n	Soil 2014-106			Soil 2014-107			Soil 2014-108			Soil 2014-109			Soil 20143-110		
			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	1	0.140	0.000		0.170	0.000		0.350	0.000		0.300	0.000		0.180	0.000	
Al	mg/kg	10	12500	1600		7900	1480		11900	1840		12700	2610		12700	1500	
As	mg/kg	9	2.81	0.226		1.88	0.180		6.91	0.840		3.54	0.710		26.05	2.95	
Ba	mg/kg	4	136	7.87		58.7	5.70		101	8.96		104	9.94		89.0	7.30	
Be	mg/kg	3	0.640	0.240		0.120	0.120		0.460	0.160		0.610	0.570		0.880	0.180	
Bi	mg/kg																
B	mg/kg	6	19.3	6.34		2.56	1.37		4.09	1.24		6.62	1.52		4.71	1.86	
Ca	mg/kg	8	5110	286		2020	203		2630	138		2800	174		1010	84.5	
Cd	mg/kg	9	0.200	0.029		0.320	0.034		0.270	0.044		0.372	0.059		0.372	0.059	
Co	mg/kg	9	6.67	0.770		5.91	1.12		4.62	0.800		6.40	0.570		9.38	1.11	
Cr	mg/kg	11	14.1	1.27		37.4	8.36		19.2	4.40		16.0	3.04		23.1	4.02	
Cu	mg/kg	11	7.87	1.63		26.5	2.23		16.5	0.620		9.25	0.660		13.8	1.20	
Fe	mg/kg	10	12900	1780		9130	1460		9350	816		11700	1280		16300	1650	
K	mg/kg	8	2990	215		1640	107		1160	177		2690	372		1130	277	
Li	mg/kg	2	91.2	74.5		33.2	29.0		63.6	56.6		70.7	62.7		55.1	46.1	
Mg	mg/kg	8	4040	584		2730	139.0		1560	200		2390	228		1700	186	
Mn	mg/kg	9	287	12.9		158	9.34		254	11.0		326	10.6		434	24.4	
Mo	mg/kg	4	1.32	0.710		1.43	0.540		3.72	1.04		0.980	0.395		1.15	0.505	
Na	mg/kg	7	157	20.5		174	46.6		201	27.4		59.6	23.2		58.4	19.3	
Ni	mg/kg	11	13.3	0.950		33.3	5.40		15.5	1.10		10.2	1.20		13.4	1.71	
P	mg/kg	9	220	15.6		264	30.7		802	17.5		349	19.0		883	49.5	
Pb	mg/kg	10	10.3	1.19		21.0	1.78		15.7	0.854		15.0	3.22		109	17.2	
S	mg/kg	6	169	7.48		158	13.8		1120	70.2		196	10.3		172	0.735	
Sb	mg/kg	2	2.30	1.40		2.55	1.65		2.10	2.10		1.90	1.70		1.35	1.35	
Se	mg/kg	5	0.372	0.222		0.390	0.390		0.434	0.234		0.350	0.350		0.525	0.125	
Sn	mg/kg																
Sr	mg/kg	4	32.0	6.85		15.1	2.35		26.6	2.61		32.2	3.20		7.26	1.88	
V	mg/kg	3	19.1	1.52		21.7	1.63		37.7	7.77		23.1	3.20		29.2	1.89	
Zn	mg/kg	11	25.5	6.17		96.6	9.67		31.3	5.70		33.6	5.40		43.4	5.46	
Hg (US-EPA 7470 or 7471)	mg/kg	3	0.047	0.047		0.019	0.014		0.039	0.024		0.017	0.012		0.044	0.024	

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.