



2014 North American Proficiency Testing Program
3rd Quarter Report - October 16, 2014

Laboratory ID
general

Environmental Soil Analyses	Units	n	Soil 2014-111			Soil 2014-112			Soil 2014-113			Soil 2014-114			Soil 20143-115		
			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	0.000	0.000		0.000	0.000		0.000	0.000		0.000	0.000		0.000	0.000	
Al	mg/kg	9	17900	1770		14900	1060		15200	1630		17000	2060		19700	1770	
As	mg/kg	7	4.83	1.10		2.91	0.375		6.14	0.449		26.3	3.04		7.88	0.980	
Ba	mg/kg	4	129	13.9		158	30.4		125	13.0		99.5	12.6		155	13.7	
Be	mg/kg	2	1.15	0.450		1.00	0.400		1.30	0.605		1.15	0.350		1.05	0.650	
Bi	mg/kg																
B	mg/kg	5	16.2	4.91		8.20	3.31		9.60	7.87		4.60	2.80		13.7	6.53	
Ca	mg/kg	8	23000	1410		1810	99.2		4860	287		1110	60.0		3630	256	
Cd	mg/kg	8	0.795	0.093		0.280	0.035		0.710	0.124		0.365	0.051		0.869	0.178	
Co	mg/kg	8	7.11	1.020		5.96	0.725		13.5	1.13		8.96	0.545		22.5	0.575	
Cr	mg/kg	8	21.7	3.50		17.1	1.32		17.5	1.62		23.7	2.10		130	17.4	
Cu	mg/kg	9	17.2	2.90		7.77	1.59		14.4	2.55		13.7	1.25		34.0	3.49	
Fe	mg/kg	8	17900	434		14200	1420		20800	650		16900	422		34700	2030	
K	mg/kg	8	4630	837		3290	769		1070	123		970	143		2590	182	
Li	mg/kg	1	162	0		179	0.000		164	0.000		106	0.000		191	0.000	
Mg	mg/kg	8	8160	608		3470	296		1430	98.2		1730	91.7		19300	1930	
Mn	mg/kg	8	323	15.2		464	46.1		1360	75.0		427	17.6		578	28.4	
Mo	mg/kg	5	2.62	1.74		1.31	1.09		1.79	0.770		1.03	1.03		1.12	1.12	
Na	mg/kg	8	207	15.7		59.1	6.53		52.1	7.40		49.1	3.75		124	10.2	
Ni	mg/kg	9	16.5	1.26		12.9	0.600		14.7	1.11		13.2	1.19		236	9.60	
P	mg/kg	8	922	61.4		260	15.0		745	9.29		866	32.0		441	23.6	
Pb	mg/kg	8	14.8	2.44		10.5	1.90		29.2	2.85		115	14.5		9.92	2.09	
S	mg/kg	6	496	26.7		161	11.6		314	12.4		166	7.87		107	12.5	
Sb	mg/kg	2	2.95	2.95		1.90	1.30		2.00	2.00		1.90	0.800		3.60	3.60	
Se	mg/kg	4	0.634	0.165		0.429	0.189		0.630	0.000		0.500	0.252		0.405	0.075	
Sn	mg/kg	1	7.80	0.000		4.60	0.000		6.50	0.000		4.40	0.000		6.20	0.000	
Sr	mg/kg	3	111	6.30		13.2	0.200		12.7	1.90		7.90	2.55		25.3	1.50	
V	mg/kg	3	46.6	15.4		39.4	23.3		38.7	2.60		37.3	10.8		81.8	4.00	
Zn	mg/kg	9	69.0	3.90		27.6	5.40		63.2	6.21		44.8	5.20		68.9	5.44	
Hg (US-EPA 7470 or 7471)	mg/kg	2	0.062	0.038		0.011	0.011		0.015	0.015		0.063	0.038		0.114	0.086	

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.