



2012 North American Proficiency Testing Program
3rd Quarter Report - October 16, 2012

Laboratory ID
general

Environmental Soil Analyses	Units	n	Soil 2012-111			Soil 2012-112			Soil 2012-113			Soil 2012-114			Soil 2012-115		
			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	12	17400	1960		9840	1200		12500	1810		2920	310		662	145	
As	mg/kg	9	3.35	0.398		3.75	0.361		5.30	1.13		1.99	0.279		0.785	0.111	
Ba	mg/kg	9	163	17.7		223	19.0		129	20.0		28.5	3.50		7.09	1.19	
Be	mg/kg	4	0.240	0.200		0.600	0.015		0.450	0.105		0.100	0.000		0.000	0.000	
Bi	mg/kg																
B	mg/kg	9	5.94	0.956		8.10	0.945		18.5	2.72		4.91	3.34		5.52	1.00	
Ca	mg/kg	11	4030	267		34000	1170		4310	209		838	138		670	87.1	
Cd	mg/kg	11	0.710	0.153		0.496	0.081		0.787	0.157		0.120	0.025		0.140	0.031	
Co	mg/kg	11	12.4	1.50		3.39	0.480		8.20	1.20		0.914	0.146		0.450	0.096	
Cr	mg/kg	13	19.4	2.87		10.2	0.972		21.5	1.34		4.00	0.890		1.96	0.365	
Cu	mg/kg	13	18.0	1.80		7.84	0.540		14.1	1.50		5.45	1.05		3.31	0.511	
Fe	mg/kg	12	25800	2930		9900	1540		16300	1180		2420	223		829	119	
K	mg/kg	11	3280	362		3230	710		2520	347		230	46.6		106	25.0	
Li	mg/kg	3	13.4	2.41		11.6	3.61		10.1	4.11		1.33	0.330		3.55	2.92	
Mg	mg/kg	11	3790	191		5210	391		3430	545		319	60.0		209	9.00	
Mn	mg/kg	12	555	37.2		522	30.5		1430	103		53.1	6.03		72.7	13.2	
Mo	mg/kg	4	4.72	4.45		1.36	0.756		2.50	1.77		0.640	0.490		0.360	0.250	
Na	mg/kg	9	333	39.0		136	24.8		65.0	14.0		14.7	2.70		14.6	3.00	
Ni	mg/kg	13	13.6	1.26		8.20	1.15		23.7	1.34		2.50	0.400		0.970	0.180	
P	mg/kg	12	750	38.1		398	12.5		420	17.0		418	24.3		111	11.0	
Pb	mg/kg	11	10.7	2.36		8.75	1.44		10.4	1.84		9.54	1.65		2.08	0.400	
S	mg/kg	10	117	13.5		356	16.0		276	16.5		89.0	11.5		123	19.5	
Sb	mg/kg	3	3.16	3.10		13.8	7.03		12.0	8.82		2.90	2.90		0.425	0.425	
Se	mg/kg	2	0.088	0.028		0.330	0.030		0.480	0.080		0.060	0.058		0.010	0.010	
Sn	mg/kg																
Sr	mg/kg	8	36.0	3.07		110	9.00		19.4	2.56		4.35	0.680		44.2	6.04	
V	mg/kg	8	58.0	13.8		16.5	3.75		45.2	10.5		4.62	0.960		2.00	0.480	
Zn	mg/kg	13	59.8	4.94		30.4	2.80		61.0	4.89		18.6	2.00		16.7	2.59	
Hg (US-EPA 7470 or 7471)	mg/kg	3	0.020	0.002		0.010	0.004		0.040	0.007		0.007	0.003		0.196	0.004	

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.