



2011 North American Proficiency Testing Program
3rd Quarter Report - November 7, 2011

Laboratory ID
general

Environmental Soil Analyses	Units	n	Soil 2010-111			Soil 2010-112			Soil 2010-113			Soil 2010-114			Soil 2010-115		
			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		0.055	0.006					0.125	0.013	
Al	mg/kg	12	8680	804		12200	1330		8050	504					17600	1450	
As	mg/kg	8	1.26	0.270		3.40	0.340		1.75	0.175					2.68	0.268	
Ba	mg/kg	9	53.4	3.50		118	7.00		85.5	6.65					132	6.00	
Be	mg/kg	5	0.050	0.005		0.660	0.095		0.160	0.016					0.760	0.210	
Bi	mg/kg																
B	mg/kg	9	2.89	0.289		3.57	0.850		3.30	0.330					16.8	1.84	
Ca	mg/kg	11	1120	238		3220	185		3510	274					13900	529	
Cd	mg/kg	9	0.100	0.010		0.150	0.015		0.450	0.270					0.540	0.127	
Co	mg/kg	10	5.05	0.570		5.26	0.440		8.94	0.045					6.88	0.530	
Cr	mg/kg	13	21.9	2.19		18.0	3.70		9.70	1.40					19.4	2.49	
Cu	mg/kg	12	10.5	1.20		5.69	1.47		10.3	0.950					22.7	3.70	
Fe	mg/kg	12	9360	1500		11200	1060		22700	2430					16700	1510	
K	mg/kg	11	1320	98.5		471	77.5		1830	133					7490	224	
Li	mg/kg	3	4.28	0.428		7.79	1.85		6.00	0.600					22.6	2.26	
Mg	mg/kg	11	1650	83.0		1040	69.3		4050	197					8780	473	
Mn	mg/kg	12	206	8.65		193	16.3		382	14.6					539	27.7	
Mo	mg/kg	5	0.258	0.026		0.480	0.048		0.453	0.045					0.620	0.149	
Na	mg/kg	9	66.5	10.6		152	14.5		215	17.8					207	11.0	
Ni	mg/kg	12	14.8	2.35		7.40	1.28		9.67	1.26					16.2	1.07	
P	mg/kg	12	162	15.8		142	17.1		937	36.7					1370	62.0	
Pb	mg/kg	10	3.35	0.725		14.3	2.27		5.97	1.28					16.7	1.67	
S	mg/kg	10	39.9	8.34		153	6.59		93.7	10.9					321	14.7	
Sb	mg/kg	2	6.25	0.625		10.1	1.01		9.87	0.987					14.8	1.48	
Se	mg/kg	3	0.030	0.003		0.640	0.064		0.195	0.020					0.470	0.047	
Sn	mg/kg	1	3.70	0.000		3.80	0.000		6.70	0.000					6.00	0.000	
Sr	mg/kg	9	6.12	1.36		27.6	3.15		19.2	3.20					37.3	3.10	
V	mg/kg	8	23.2	2.32		28.8	2.99		52.6	5.26					19.4	2.96	
Zn	mg/kg	13	28.5	2.10		22.1	2.60		53.8	3.98					85.7	4.20	
Hg (US-EPA 7470 or 7471)	mg/kg	2	0.000	0.000		0.010	0.001		0.000	0.000					0.010	0.001	

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.