



2010 North American Proficiency Testing Program
3rd Quarter Report - October 15, 2010

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				0.00	0.00		0.000	0.000		0.000	0.000		0.000	0.000	
Al	mg/kg	11	3420	1254		14710	2282		22630	2317		6860	634		5768	599	
As	mg/kg	8	1.25	0.381		3.20	1.30		6.36	2.00		1.70	0.17		1.30	0.12	
Ba	mg/kg	8	20.0	2.32		65	6.9		217.5	17.75		21.6	2.33		44	3.61	
Be	mg/kg	3	0.100	0.008		0.461	0.139		0.790	0.029		0.074	0.026		0.16	0.04	
Bi	mg/kg	0															
B	mg/kg	6	3.22	2.321		8.80	1.81		8.95	3.67		5.68	4.30		4.1	2.80	
Ca	mg/kg	10	602	56.4		16545	629		5820	196		1293	165		942	1826	
Cd	mg/kg	7	0.100	0.031		0.333	0.206		0.550	0.530		0.200	0.200		0.200	0.177	
Co	mg/kg	7	0.359	0.115		3.60	0.71		8.76	0.52		1.98	0.580		2.67	0.390	
Cr	mg/kg	12	7.22	1.30		10.8	2.19		22.4	3.97		8.28	1.20		8.0	1.00	
Cu	mg/kg	10	2.02	0.846		11.0	2.80		17.00	3.73		4.00	0.50		9.1	1.87	
Fe	mg/kg	11	3406	329		10990	1999		19381	1395		9284	738		6271	609	
K	mg/kg	10	523	45.6		4961	360		3314	349.0		476	60.5		591	127	
Li	mg/kg	2	10.01	9.170		4.82	2.04		10.20	5.31		2.64	0.650		2.7	1.00	
Mg	mg/kg	10	200	27.6		3649	255		4077	475		1171	110		983	81	
Mn	mg/kg	11	41.1	3.50		240	17.0		431	19.0		162	16.9		407	8.0	
Mo	mg/kg	5	0.500	0.175		0.450	0.250		1.200	0.800		1.250	1.150		0.600	0.350	
Na	mg/kg	9	55.3	11.0		150.0	14.0		77	23		80.0	17.7		30	8.6	
Ni	mg/kg	10	1.27	0.515		9.0	1.87		19.20	3.06		4.00	1.18		4.8	0.781	
P	mg/kg	11	151	8.0		358	25.0		410	10.0		694	16.7		490	48.2	
Pb	mg/kg	11	4.70	0.640		8.0	2.87		16.90	4.352		6.86	1.740		7.0	1.12	
S	mg/kg	10	172	7.04		271	10.5		216	12.8		200	14.4		123	155	
Sb	mg/kg	1	0.000	0.000		0.000	7.350		0.000	0.000		0.00	0.00		0.00	0.00	
Se	mg/kg	4	0.506	0.486		0.820	0.710		1.054	0.844		0.266	0.246		0.115	0.100	
Sn	mg/kg	2	3.50	3.00		3.30	3.30		3.45	3.45		3.30	3.20		2.900	2.70	
Sr	mg/kg	6	2.90	0.46		65.0	2.20		37.90	3.00		3.8	3.95		5.7	2.38	
V	mg/kg	6	9.40	1.68		10.9	6.60		29.8	14.36		14.7	3.94		10.0	3.24	
Zn	mg/kg	12	12.9	1.80		43.0	3.45		57.3	3.75		26.7	1.31		32	2.40	
Hg (US-EPA 7470)	mg/kg	3	0.020	0.006		0.020	0.002		0.040	0.020		0.040	0.024		0.040	0.024	

1 - Values flagged exceed Warning Limits *** 2.5 x MAD (Median Absolute Deviation) and Control Limits *** 4 x MAD. " < " and " ND " values not recorded.
2 - Limits not compared to lab data for methods with < 7 labs reporting.