



2011 North American Proficiency Testing Program  
4th Quarter Report - January 25, 2012

Laboratory ID  
general

Environmental Soil Analyses	Units	n	Soil 2011-116			Soil 2011-117			Soil 2011-118			Soil 2011-119			Soil 2011-120			
			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	0.000	0.000		0.050	0.005		0.000	0.000		0.000	0.000				0.000	
Al	mg/kg	10	10000	849		7900	611		14300	477		8230	727		12900	1410		
As	mg/kg	7	10.4	1.08		2.09	0.209		3.07	0.210		5.90	0.525		4.80	0.990		
Ba	mg/kg	7	72.7	6.6		91.5	3.40		132	5.00		40.4	1.75		178	9.00		
Be	mg/kg	4	0.230	0.023		0.300	0.0300		0.300	0.050		0.300	0.030		0.490	0.110		
Bi	mg/kg			0.000			0.00			0			0					0.00
B	mg/kg	5	5.12	0.512		7.65	0.765		6.05	0.605		7.37	0.880		5.58	0.558		
Ca	mg/kg	9	1030	109		3550	129		3240	212		6120	220		21200	494		
Cd	mg/kg	7	0.340	0.034		0.600	0.060		0.322	0.032		0.389	0.039		0.190	0.019		
Co	mg/kg	8	6.22	0.375		9.87	1.36		9.70	1.38		4.75	0.750		4.55	0.52		
Cr	mg/kg	10	14.3	1.55		8.60	0.900		23.4	3.40		13.1	0.650		11.8	1.23		
Cu	mg/kg	9	12.7	2.37		9.80	1.05		12.6	1.16		22.1	2.10		8.26	0.340		
Fe	mg/kg	10	13600	104		22400	1740		18800	977		11100	876		11200	1110		
K	mg/kg	9	807	54.8		1780	71.5		4780	144		997	41.4		2820	296		
Li	mg/kg	2	32.9	3.29		7.0	0.700		22.0	3.71		10.0	2.25		11.0	2.12		
Mg	mg/kg	9	2200	154		4000	208		6160	194		4080	194		3860	115		
Mn	mg/kg	10	482	54.3		365	33.8		314	17.0		348	23.5		266	19.3		
Mo	mg/kg	3	0.050	0.005		0.130	0.013		0.370	0.037		0.040	0.004		0.095	0.005		
Na	mg/kg	8	48.7	4.87		207	50.5		208	40.5		62.3	10.5		48.1	6.90		
Ni	mg/kg	9	10.5	0.650		9.84	0.300		27.9	1.48		8.98	0.595		9.70	0.310		
P	mg/kg	9	674	42.0		921	32.5		561	28.8		602	19.8		314	16.6		
Pb	mg/kg	10	11.0	1.10		6.45	0.840		5.50	0.550		11.1	1.10		8.52	1.83		
S	mg/kg	9	129	10.0		96.2	5.20		120	4.72		336	15.6		140	4.65		
Sb	mg/kg	2	0.250	0.025		0.000	0.000		0.250	0.025		0.000	0.000		0.000	0.000		
Se	mg/kg	2	7.20	0.720		1.68	0.168		8.78	0.878		4.03	0.403		0.935	0.094		
Sn	mg/kg	1	0.000	0.000		0.000	0.000		0.000	0.000		0.000	0.000					0.000
Sr	mg/kg	7	6.99	1.09		18.4	1.55		23.3	1.45		6.70	0.670		53.7	3.30		
V	mg/kg	6	33.3	3.45		51.6	7.44		44.7	1.30		25.8	5.20		21.6	2.93		
Zn	mg/kg	10	41.3	2.85		51.6	2.43		53.4	1.60		38.7	2.20		31.4	1.56		
Hg (US-EPA 7470 or 7471)	mg/kg	1	0.000	0.000		0.000	0.000		0.000	0.000		0.000	0.000					0.000

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.