



2010 North American Proficiency Testing Program
4th Quarter Report - January 26, 2011

Laboratory ID
General

Environmental		Soil 2010-116			Soil 2010-117			Soil 2010-118			Soil 2010-119			Soil 2010-120			
Soil Analyses	Units	n	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		0.00	0.00		0.000	0.000		0.000	0.000		0.000	0.000	
Al	mg/kg	10	21286	3337		3380	241		15892	782		13072	1410		7129	492	
As	mg/kg	6	7.19	1.840		1.27	0.72		14.57	3.58		3.47	0.59		1.95	0.55	
Ba	mg/kg	9	298.0	33.00		21	1.1		130.0	11.21		131.0	2.35		66	2.80	
Be	mg/kg	5	0.568	0.080		0.105	0.095		1.200	0.006		0.545	0.050		0.22	0.02	
Bi	mg/kg	0															
B	mg/kg	6	66.40	12.201		3.13	2.17		5.77	0.97		11.75	1.55		5.9	2.24	
Ca	mg/kg	9	12866	303.0		591	56		2890	253		6177	263		1952	148	
Cd	mg/kg	7	0.566	0.366		0.088	0.135		0.730	0.425		0.582	0.312		0.337	0.145	
Co	mg/kg	9	9.360	1.944		0.36	0.36		27.35	2.75		4.75	1.016		3.00	0.551	
Cr	mg/kg	10	54.60	7.44		7.4	0.40		25.1	3.40		14.25	1.55		9.1	0.91	
Cu	mg/kg	10	28.20	3.830		2.2	0.48		15.90	3.38		13.20	2.10		6.8	0.95	
Fe	mg/kg	10	25375	2351		3340	430		26265	894		11322	825		7666	923	
K	mg/kg	9	3044	276.0		520	96		945	207.0		2862	439.0		736	167	
Li	mg/kg	4	33.29	9.848		2.01	10.93		10.63	8.15		11.65	8.168		4.1	2.95	
Mg	mg/kg	9	11680	920.0		196	40		968	145		4640	291		1218	167	
Mn	mg/kg	10	345.2	22.23		41	3.4		2272	129.3		438	24.5		200	22.6	
Mo	mg/kg	2	3.000	2.676		0.500	0.171		0.952	0.398		1.200	1.200		0.523	0.423	
Na	mg/kg	8	3428.6	164.2		55.8	5.9		25	13		187.0	56.4		23	17.7	
Ni	mg/kg	9	57.30	4.098		1.2	0.75		28.80	2.80		10.42	2.09		5.8	1.795	
P	mg/kg	9	524	72.6		141	25.0		1049	58.0		891	65.0		417	28.3	
Pb	mg/kg	10	10.86	4.781		4.9	1.02		25.40	5.049		11.60	3.411		10.0	1.70	
S	mg/kg	8	4975	319.00		175	12.0		325	9.8		170	18.9		235	16	
Sb	mg/kg	1		#NUM!		0.200	0.000		0.200	0.000		0.00	0.00		0.00	0.00	
Se	mg/kg	4	1.802	1.590		2.667	2.641		1.200	2.235		2.840	2.752		2.885	2.833	
Sn	mg/kg	1	0.10	0.00		0.00	0.00		0.00	0.00		0.60	0.00		0.000	0.00	
Sr	mg/kg	8	104.50	8.65		2.8	0.43		10.02	1.36		33.5	1.25		6.8	0.81	
V	mg/kg	7	57.00	18.00		10.2	2.15		36.5	5.65		13.8	9.27		14.3	4.28	
Zn	mg/kg	10	86.1	2.35		12.5	1.45		68.4	7.51		57.5	3.29		33	3.95	
Hg (US-EPA 7470)	mg/kg	3	0.013	0.013		0.007	0.007		0.060	0.020		0.012	0.012		0.112	0.088	

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.