



2014 North American Proficiency Testing Program
1st Quarter Report - April 15, 2014

Laboratory ID
general

Environmental Soil Analyses	Units	n	Soil 2014-101			Soil 2014-102			Soil 2014-103			Soil 2014-104			Soil 20143-105		
			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	0.200	0.000		0.000	0.000		0.070	0.000		0.000	0.000		0.000	0.000	
Al	mg/kg	7	10200	1580		19000	976		25000	3664		24400	2810		11000	393	
As	mg/kg	7	7.00	1.21		26.6	2.40		4.11	1.85		6.41	1.10		2.60	0.400	
Ba	mg/kg	4	70.2	18.7		96.3	9.65		195	49.0		206	43.2		58.6	28.4	
Be	mg/kg	2	0.805	0.505		1.34	0.740		1.60	1.50		1.60	1.20		0.610	0.610	
Bi	mg/kg																
B	mg/kg	6	3.08	0.98		7.63	4.24		18.9	5.31		10.8	6.63		3.47	2.51	
Ca	mg/kg	6	1170	92.3		1100	111		21500	857		3510	416		2410	343	
Cd	mg/kg	7	0.180	0.140		0.481	0.276		0.627	0.293		0.420	0.420		0.180	0.180	
Co	mg/kg	7	4.93	1.33		9.58	1.30		9.48	1.06		14.4	2.02		7.42	0.800	
Cr	mg/kg	8	23.5	1.51		26.4	1.98		27.7	6.23		13.6	2.45		18.9	3.75	
Cu	mg/kg	8	12.8	2.98		15.1	1.80		24.5	1.99		17.5	4.11		6.38	2.11	
Fe	mg/kg	7	10600	594		17000	583		21600	1920		24300	2720		15600	1490	
K	mg/kg	6	737	100		919	98.0		8860	188		2710	419		2950	288	
Li	mg/kg	1	86.3	0.000		108	0.000		250	0.000		276	0.000		90.5	0.000	
Mg	mg/kg	6	467	91.0		1620	54.5		8530	535		3050	325		3780	158	
Mn	mg/kg	7	579	49.8		421	24.8		671	12.0		521	26.0		248	31.9	
Mo	mg/kg	5	0.990	0.730		1.29	0.315		1.11	0.390		2.13	1.22		1.70	0.720	
Na	mg/kg	6	38.2	24.8		68.4	27.8		193	55.7		219	55.0		200	69.6	
Ni	mg/kg	8	5.76	1.34		13.7	2.03		18.3	1.38		9.57	1.21		15.0	0.420	
P	mg/kg	7	307	3.80		853	22.5		1120	21.00		967	28.0		545	14.0	
Pb	mg/kg	6	25.4	4.81		142	37.6		25.2	7.42		23.0	6.65		6.21	2.64	
S	mg/kg	5	127	6.00		162	9.00		207	2.00		227	3.40		78.0	6.70	
Sb	mg/kg	1	1.80	0.000		2.00	0.000		5.00	0.000		3.50	0.000		2.70	0.000	
Se	mg/kg	3	0.267	0.115		0.416	0.071		0.131	0.021		0.220	0.124		0.160	0.109	
Sn	mg/kg																
Sr	mg/kg	3	7.00	0.300		10.5	1.02		60.0	24.3		34.1	4.70		13.3	3.40	
V	mg/kg	3	34.3	2.10		38.8	6.20		44.8	8.50		42.8	6.30		25.3	7.90	
Zn	mg/kg	8	20.0	8.18		43.0	4.25		76.8	12.2		71.7	8.15		32.2	6.03	
Hg (US-EPA 7470 or 7471)	mg/kg	2	0.011	0.011		0.066	0.034		0.011	0.011		0.010	0.010		0.009	0.009	

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.