



2015 North American Proficiency Testing Program  
1st Quarter Report - April 15, 2015

Laboratory ID  
general

Environmental Soil Analyses	Units	n	Soil 2015-101			Soil 2015-102			Soil 2015-103			Soil 2015-104			Soil 2015-105		
			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																
Al	mg/kg	7	21000	4340		16600	2950		21400	7680		9730	3040		6500	1660	
As	mg/kg	6	12.0	0.595		4.74	0.670		12.5	0.800		5.20	0.860		4.21	1.45	
Ba	mg/kg	3	260	32.0		124	6.00		1250	191		137	2.00		96.0	4.00	
Be	mg/kg	1	2.88	0.000		2.18	0.000		4.55	0.000		1.92	0.000		1.53	0.000	
Bi	mg/kg																
B	mg/kg	4	19.7	12.2		12.5	6.56		16.2	7.89		6.88	2.98		1.98	1.19	
Ca	mg/kg	6	4660	63.8		2740	113		46400	4780		4980	272		793	126	
Cd	mg/kg	7	0.460	0.230		0.470	0.180		2.90	0.760		0.354	0.134		0.175	0.065	
Co	mg/kg	5	15.0	0.840		9.53	0.240		20.2	2.08		7.84	0.800		9.50	0.860	
Cr	mg/kg	7	22.9	1.38		28.0	3.20		93.7	55.3		21.3	1.96		31.0	6.47	
Cu	mg/kg	7	15.2	1.26		16.0	1.98		67.8	5.52		5.52	1.38		5.32	0.870	
Fe	mg/kg	6	22600	1800		18700	1320		43400	3440		16500	1210		10800	832	
K	mg/kg	5	1620	307		1850	323		2910	188		1090	356		891	374	
Li	mg/kg	1	318	0.000		123	0.000		1510	0.000		132	0.000		93.0	0.000	
Mg	mg/kg	6	2680	209		3110	208		5180	501		834	209		457	144	
Mn	mg/kg	6	890	67.0		542	48.5		602	34.0		595	21.6		718	28.0	
Mo	mg/kg	3	0.940	0.350		0.860	0.310		8.96	4.01		1.14	0.000		1.11	0.170	
Na	mg/kg	5	104	15.8		79.6	6.50		156	24.1		42.4	12.5		49.4	4.62	
Ni	mg/kg	6	13.9	1.18		19.7	0.500		146	16.8		5.20	1.95		7.56	0.590	
P	mg/kg	7	420	27.0		504	20.0		5310	283		601	21.0		231	29.7	
Pb	mg/kg	6	24.3	0.42		10.5	0.705		7.17	1.53		18.5	1.92		14.4	1.30	
S	mg/kg	5	241	20.3		189	21.0		1600	194		171	19.8		111	16.0	
Sb	mg/kg	1	5.97	0.000		4.98	0.000		13.0	0.000		4.37	0.000		3.54	0.000	
Se	mg/kg	4	0.744	0.192		0.250	0.177		1.49	1.49		0.359	0.150		0.290	0.036	
Sn	mg/kg																
Sr	mg/kg	2	36.2	8.27		26.4	5.08		147	15.6		9.62	2.95		4.15	1.83	
V	mg/kg	2	62.2	14.0		71.6	0.320		114	32.1		51.4	0.080		31.7	3.41	
Zn	mg/kg	7	49.0	2.80		42.0	2.00		180	18.6		23.7	1.70		19.4	5.34	
Hg (US-EPA 7470 or 7471)	mg/kg	2	0.028	0.008		0.036	0.006		0.043	0.013		0.021	0.001		0.018	0.002	

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.