



2014 North American Proficiency Testing Program
4th Quarter Report - January 18, 2015

Laboratory ID
general

Environmental Soil Analyses	Units	n	Soil 2014-116			Soil 2014-117			Soil 2014-118			Soil 2014-119			Soil 20143-120		
			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																
Al	mg/kg	8	15500	1560		14900	1330		16600	1820		20100	3060		17000	2150	
As	mg/kg	8	7.91	0.705		3.56	0.670		28.2	2.08		6.30	0.890		3.27	0.815	
Ba	mg/kg	4	181	23.0		152	12.6		92.3	5.70		148	4.00		173	12.5	
Be	mg/kg	3	0.700	0.200		0.700	0.400		0.900	0.200		0.900	0.300		0.700	0.200	
Bi	mg/kg																
B	mg/kg	7	7.10	1.70		9.90	3.24		7.46	1.97		8.30	4.30		6.10	1.70	
Ca	mg/kg	6	5480	240		13900	549		1150	89.0		2790	69.5		3100	66.0	
Cd	mg/kg	7	0.466	0.140		0.485	0.111		0.288	0.190		0.418	0.153		0.216	0.106	
Co	mg/kg	7	10.5	1.30		10.9	1.39		9.64	0.950		9.50	1.00		6.20	0.680	
Cr	mg/kg	8	21.2	3.06		40.7	7.88		21.5	1.35		19.2	3.00		14.0	2.15	
Cu	mg/kg	8	15.0	1.10		22.8	2.09		12.9	2.09		10.9	1.34		10.9	1.10	
Fe	mg/kg	7	18900	1400		19300	913		16300	1250		15500	609		13000	1880	
K	mg/kg	6	2700	205		5560	195		913	52.3		2820	431		2380	252	
Li	mg/kg	2	124	114		96.5	83.5		57.5	48.5		93.5	82.5		101	86.5	
Mg	mg/kg	6	3530	184		8870	264		1610	34.5		2690	211		3560	121	
Mn	mg/kg	7	855	44.0		595	28.0		414	33.0		397	8.80		387	13.0	
Mo	mg/kg	4	1.32	0.275		0.850	0.470		1.57	0.455		1.39	0.255		1.34	0.605	
Na	mg/kg	5	61.6	24.3		105	16.9		53.0	15.3		53.9	17.7		82.5	18.5	
Ni	mg/kg	8	20.6	1.10		28.7	3.50		12.2	2.05		13.9	0.700		10.0	1.05	
P	mg/kg	7	930	48.0		1320	104		875	48.7		392	30.0		230	22.0	
Pb	mg/kg	7	14.7	1.30		12.7	1.78		105	6.60		16.0	2.50		9.72	1.30	
S	mg/kg	5	393	21.0		426	60.0		156	13.0		217	14.0		108	8.00	
Sb	mg/kg	2	2.70	2.70		4.10	4.10		14.2	8.85		2.95	2.950		2.70	2.70	
Se	mg/kg	5	0.605	0.105		0.450	0.153		0.568	0.158		0.500	0.085		0.382	0.131	
Sn	mg/kg	1	0.000	0.000		0.000	0.000		10.9	0.000		0.000	0.000		6.20	0.000	
Sr	mg/kg	4	22.2	1.85		26.0	4.75		8.45	2.70		25.8	2.50		22.9	2.45	
V	mg/kg	3	36.1	8.30		31.4	14.7		29.4	1.40		34.1	10.3		24.3	8.40	
Zn	mg/kg	8	70.1	4.35		65.1	5.30		43.9	4.30		38.5	5.30		35.1	4.65	
Hg (US-EPA 7470 or 7471)	mg/kg	3	0.040	0.040		0.020	0.020		0.050	0.050		0.020	0.020		0.010	0.010	

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.