



2016 North American Proficiency Testing Program
1st Quarter Report - April 11, 2016

Laboratory ID
general

Environmental Soil Analyses	Units	n	Soil 2016-101			Soil 2016-102			Soil 2016-103			Soil 2016-104			Soil 2016-105		
			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																
Al	mg/kg	7	21200	251		17600	3630		30900	5880		26000	1350		20100	1550	
As	mg/kg	7	11.0	2.36		6.84	0.844		16.6	3.94		6.27	1.56		7.57	2.51	
Ba	mg/kg	4	49.9	4.15		197	8.50		177	16.0		54.2	0.800		152	10.5	
Be	mg/kg	3	0.800	0.200		0.800	0.200		1.20	0.200		0.700	0.100		0.400	0.100	
Bi	mg/kg																
B	mg/kg	3	3.59	2.34		6.03	2.25		8.95	1.65		6.29	4.35		10.9	4.75	
Ca	mg/kg	6	2850	308		4770	205		44800	3130		415	217		3570	171	
Cd	mg/kg	7	0.390	0.230		0.510	0.133		0.387	0.178		0.310	0.298		0.270	0.270	
Co	mg/kg	6	13.4	1.06		8.71	0.775		8.88	0.715		14.1	1.30		20.0	1.88	
Cr	mg/kg	8	36.4	1.99		23.6	5.60		36.6	7.35		42.1	4.25		138	18.0	
Cu	mg/kg	8	19.3	2.82		14.2	1.76		19.7	1.75		9.70	1.63		34.8	4.65	
Fe	mg/kg	6	30000	826		19100	1550		25000	3470		30700	995		35400	1140	
K	mg/kg	6	1470	232		2940	160		6060	1520		1900	511		2520	263	
Li	mg/kg	3	40	4.50		8.50	1.50		33.6	8.60		33.1	0.100		26.7	2.70	
Mg	mg/kg	6	6440	269		3160	226		10500	518		5170	163		20900	1660	
Mn	mg/kg	6	522	27.1		1024	57.0		563	37.5		564	36.2		580	38.5	
Mo	mg/kg	4	0.894	0.280		0.960	0.135		0.720	0.240		0.752	0.305		0.365	0.145	
Na	mg/kg	4	115	40.3		61.2	30.0		237	58.8		98.5	40.2		147	31.2	
Ni	mg/kg	8	22.3	1.41		19.5	1.24		22.6	1.20		27.1	1.36		225	25.5	
P	mg/kg	7	870	51.0		982	10.4		724	44.5		433	25.5		438	26.4	
Pb	mg/kg	7	9.50	5.70		13.9	2.00		15.1	6.89		14.7	1.76		7.70	0.700	
S	mg/kg	4	239	15.4		333	18.8		214	23.2		205	3.95		107	17.6	
Sb	mg/kg	1	5.56	0.000		3.62	3.116		4.18	3.78		3.60	3.30		5.05	4.55	
Se	mg/kg	3	0.400	0.028		0.480	0.145		0.400	0.015		0.500	0.152		0.300	0.070	
Sn	mg/kg																
Sr	mg/kg	4	7.34	1.10		22.0	1.80		93.8	13.2		4.64	0.700		27.6	3.45	
V	mg/kg	4	49.0	7.70		43.8	11.9		56.4	24.3		50.1	12.6		77.7	7.65	
Zn	mg/kg	8	77.0	7.40		75.2	7.62		66.1	8.74		63.7	7.80		73.6	8.11	
Hg (US-EPA 7470 or 7471)	mg/kg	1	0.025	0.000		0.030	0.000		0.017	0.000		0.050	0.000		0.366	0.186	

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.