



2017 North American Proficiency Testing Program

Quarter Report - April 14, 2017

Laboratory ID
general

Environmental Soil Analyses	Units	n	Soil 2017-101			Soil 2017-102			Soil 2017-103			Soil 2017-104			Soil 2017-105		
			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	19600	5110		3840	959		17600	1290		18100	4660		1910	708	
As	mg/kg	7	15.1	2.74		1.55	0.510		7.25	1.33		3.13	0.69		0.450	0.250	
Ba	mg/kg	4	76.3	0.700		59.3	0.750		43.7	0.700		156	3.00		24.6	0.550	
Be	mg/kg	3	0.900	0.000		0.100	0.000		0.400	0.000		0.500	0.000				
Bi	mg/kg																
B	mg/kg	3	12.6	5.11		9.10	2.87		6.24	4.16		17.1	1.72		4.70	1.93	
Ca	mg/kg	6	2440	171		3200	130		1800	79.4		13800	296		1640	61.5	
Cd	mg/kg	7	0.504	0.266		0.250	0.106		0.461	0.170		0.620	0.200		0.178	0.028	
Co	mg/kg	6	16.3	1.02		2.59	0.383		6.07	0.635		9.00	0.940		0.550	0.138	
Cr	mg/kg	8	37.6	3.12		7.55	0.909		27.2	5.65		45.4	5.62		2.15	0.750	
Cu	mg/kg	8	15.0	2.20		3.67	0.400		11.8	1.50		23.7	3.30		1.31	0.350	
Fe	mg/kg	6	28200	1930		5760	517		18200	698		21000	1580		1620	372	
K	mg/kg	6	1910	957		1080	227		1150	155		6140	1200		1030	470	
Li	mg/kg	3	17.0	0.000		2.30	0.00		18.0	0.000		14.0	0.000		0.400	0.000	
Mg	mg/kg	6	2040	348		1440	84.1		2840	59.2		8980	288		527	89.8	
Mn	mg/kg	6	1120	60.1		453	30.6		439	13.1		590	42.6		87.3	1.78	
Mo	mg/kg	4	3.64	0.819		0.200	0.070		0.638	0.280		0.600	0.355		0.175	0.034	
Na	mg/kg	4	80.4	41.6		55.0	25.0		69.6	14.8		160	28.6		15.0	7.99	
Ni	mg/kg	8	19.2	2.40		5.99	0.700		14.6	1.45		26.8	2.86		1.36	0.540	
P	mg/kg	7	570	29.9		333	23.0		1240	55.5		1250	64.0		115	5.19	
Pb	mg/kg	7	33.0	6.80		4.33	0.970		14.4	4.56		10.7	2.30		1.18	0.624	
S	mg/kg	4	230	37.0		200	30.7		308	18.0		444	52.3		70.0	11.3	
Sb	mg/kg	1															
Se	mg/kg	3	0.476	0.466		0.276	0.005		0.410	0.400		0.201	0.191		0.077	0.067	
Sn	mg/kg																
Sr	mg/kg	4	5.46	0.340		10.0	1.00		4.94	0.065		21.8	1.45		6.18	0.220	
V	mg/kg	4	27.6	0.000		7.80	0.000		22.0	0.000		17.0	0.0		1.00	0.000	
Zn	mg/kg	8	46.8	4.15		21.2	1.65		50.2	2.40		63.9	4.00		5.00	1.60	
Hg (US-EPA 7470 or	mg/kg	1	0.020	0.000		0.020	0.000		0.020	0.000		0.020	0.000		0.020	0.000	

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.