



2017 North American Proficiency Testing Program  
4th Quarter Report - January 8, 2018

Laboratory ID  
General

Environmental		Soil 2017-116			Soil 2017-117			Soil 2017-118			Soil 2017-119			Soil 2017-120			
Soil Analyses	Units	n	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	14700	1870		15800	3570		14900	3670		3700	735		26500	2960	
As	mg/kg	7	4.20	0.94		4.80	0.915		6.91	1.38		1.86	0.065		6.18	1.47	
Ba	mg/kg	3	203	9.29		222	4.00		169	4.00		62.4	3.31		60.0	3.00	
Be	mg/kg	2	0.534	0.267		0.510	0.291		0.411	0.289		0.368	0.332		0.163	0.038	
Bi	mg/kg																
B	mg/kg	5	20.0	11.5		11.0	10.5		4.35	4.04		10.4	6.37		5.00	3.65	
Ca	mg/kg	6	25818	1800		34100	3050		5440	291		3150	380		662	220	
Cd	mg/kg	6	0.580	0.075		0.387	0.030		0.342	0.020		0.160	0.070		0.215	0.054	
Co	mg/kg	6	6.33	0.170		7.43	0.180		9.04	0.927		2.56	0.189		13.9	1.32	
Cr	mg/kg	8	13.1	2.43		17.8	3.86		19.8	3.32		6.80	0.875		42.5	2.86	
Cu	mg/kg	7	19.2	4.68		11.0	4.50		9.42	5.08		2.37	0.462		6.24	2.44	
Fe	mg/kg	6	13400	1130		15700	2170		16300	1770		5410	776		27300	6610	
K	mg/kg	6	6540	590		4550	1030		2000	509		988	160		1660	722	
Li	mg/kg	2	17.0	2.00		19.6	3.57		9.81	1.81		17.4	14.6		23.3	21.3	
Mg	mg/kg	6	5110	355		11300	1480		3200	449		1450	177		5030	798	
Mn	mg/kg	5	540	67.2		464	59.8		693	53.7		456	24.1		525	23.6	
Mo	mg/kg	5	0.714	0.336		0.485	0.170		0.691	0.209		0.178	0.099		0.290	0.190	
Na	mg/kg	5	229	38.8		1330.0	174		94.5	36.6		34.9	12.7		111	18.8	
Ni	mg/kg	8	11.4	1.33		16.5	2.25		18.8	1.29		6.20	0.540		27.3	2.90	
P	mg/kg	7	2580	202		710	59.6		490	19.0		360	32.5		442	46.0	
Pb	mg/kg	7	24.5	3.28		14.8	2.76		13.4	1.20		4.39	0.787		13.8	2.45	
S	mg/kg	5	900	101		458	52.6		234	1.80		222	12.4		195	17.4	
Sb	mg/kg	2	0.458	0.158		0.405	0.096		0.796	0.296		0.311	0.011		0.809	0.000	
Se	mg/kg	5	0.300	0.299		0.010	0.009		0.255	0.250		0.245	0.240		0.010	0.009	
Sn	mg/kg	1	1.40	0.000													
Sr	mg/kg	3	103	13.1		96.0	5.09		25.0	0.080		9.43	2.58		6.63	2.86	
V	mg/kg	2	15.8	0.420		24.3	0.805		33.7	0.220		29.7	16.2		32.4	18.1	
Zn	mg/kg	8	138	27.5		51.7	12.1		50.3	9.46		21.9	2.66		54.5	11.4	
Hg (US-EPA 7470 or	mg/kg	1	0.025	0.000		0.010	0.000		0.017	0.000		0.015	0.000		0.043	0.000	