



2018 North American Proficiency Testing Program
 Quarter 2 Env Soil Report - Jul 23, 2018

Laboratory ID
 General

Environmental Soil Analyses	Units	n	Soil 2018-106			Soil 2018-107			Soil 2018-108			Soil 2018-109			Soil 2018-110		
			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	4	7780	1090		9690	1270		14500	2550		16000	2110		5420	1190	
As	mg/kg	4	2.48	0.350		7.60	0.420		6.35	1.26		9.35	0.460		1.46	0.160	
Ba	mg/kg	2	62.1	2.05		175	3.00		123	3.00		128	6.00		27.2	2.15	
Be	mg/kg	1	0.100	0.000		0.500	0.000		0.600	0.000		1.00	0.000		0.200	0.000	
Bi	mg/kg																
B	mg/kg	2	5.41	3.87		7.51	5.37		5.90	3.06		7.45	5.55		6.21	3.67	
Ca	mg/kg	3	2190	189		2400	48.0		2600	46.0		5300	191		1900	59.0	
Cd	mg/kg	3	0.370	0.020		0.350	0.040		0.390	0.020		0.550	0.020		0.100	0.030	
Co	mg/kg	3	4.80	0.200		9.20	0.800		8.22	0.380		13.2	0.100		1.30	0.030	
Cr	mg/kg	5	40.6	11.1		13.9	1.60		20.7	4.30		19.7	3.50		5.60	0.630	
Cu	mg/kg	5	27.6	0.450		7.95	0.450		12.4	0.790		13.5	0.500		3.92	0.250	
Fe	mg/kg	3	9960	1840		14500	1110		17400	1790		22400	399		4500	399	
K	mg/kg	3	1600	1.00		967	167		1330	230		963	263		1740	41.0	
Li	mg/kg	1	3.00	0.000		5.00	0.000		6.00	0.000		7.00	0.000		3.00	0.000	
Mg	mg/kg	3	2870	232		1730	25.0		1940	42.0		1380	82.0		900	100	
Mn	mg/kg	2	162	18.1		1300	148		564	12.1		1410	34.0		62.0	8.44	
Mo	mg/kg	3	0.231	0.169		0.640	0.269		0.080	0.079		1.15	0.412		0.060	0.059	
Na	mg/kg	2	231	74.1		81.5	39.3		72.3	36.9		101	38.1		130	30.2	
Ni	mg/kg	5	29.7	3.60		11.5	0.500		13.4	0.580		13.5	1.10		3.27	0.265	
P	mg/kg	4	257	12.5		348	9.00		491	17.7		769	27.0		555	23.5	
Pb	mg/kg	4	19.9	0.400		15.5	1.00		14.1	0.200		27.1	0.550		2.93	0.100	
S	mg/kg	2	186	39.6		189	28.9		353	34.4		383	23.3		292	31.8	
Sb	mg/kg					0.400	0.000		0.400	0.000		0.400	0.000				
Se	mg/kg	2	0.011	0.010		0.050	0.049		0.170	0.150		0.040	0.039		0.030	0.029	
Sn	mg/kg																
Sr	mg/kg	2	12.8	1.20		10.1	0.905		10.1	0.950		10.5	0.530		9.41	0.595	
V	mg/kg	1	30.8	0.000		30.9	0.000		29.9	0.000		25.2	0.000		9.30	0.000	
Zn	mg/kg	5	100	3.35		37.0	2.00		47.0	1.00		58.7	4.70		21.0	1.02	
Hg (US-EPA 7470 or	mg/kg	2	0.019	0.000		0.023	0.003		0.023	0.001		0.038	0.000		0.004	0.001	