



2015 North American Proficiency Testing Program  
3rd Quarter Report - October 15, 2015

Laboratory ID  
general

Environmental Soil Analyses	Units	n	Soil 2015-111			Soil 2015-112			Soil 2015-113			Soil 2015-114			Soil 2015-115		
			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	9	10100	1340		5000	896		11600	1050		15900	3040		18100	3950	
As	mg/kg	8	4.61	1.02		2.39	0.320		3.61	0.815		7.16	0.830		11.4	1.57	
Ba	mg/kg	3	69.5	0.390		85.2	4.17		47.5	4.71		143	3.12		216	82.7	
Be	mg/kg	2	0.605	0.395		0.455	0.245		0.595	0.205		1.24	0.460		1.32	0.585	
Bi	mg/kg																
B	mg/kg	5	5.48	0.730		6.58	1.77		4.38	1.90		6.70	3.86		8.20	5.31	
Ca	mg/kg	9	2800	306		2050	149		1840	119		1930	226		4460	207	
Cd	mg/kg	9	0.330	0.210		0.315	0.044		0.100	0.100		0.365	0.066		0.390	0.300	
Co	mg/kg	7	6.20	0.460		3.72	0.280		3.35	0.630		9.42	0.840		12.4	1.77	
Cr	mg/kg	10	13.3	2.00		10.9	2.25		9.73	1.88		19.0	3.65		25.4	3.70	
Cu	mg/kg	10	43.6	2.40		5.16	1.17		4.13	0.446		11.1	1.36		15.4	1.53	
Fe	mg/kg	9	15100	1690		7750	887		6030	1350		18300	697		22500	1460	
K	mg/kg	9	2808	144		1450	99.0		1060	136		1480	223		1520	130	
Li	mg/kg	2	42.2	28.9		51.3	48.2		25.7	21.2		94.0	83.5		147	136	
Mg	mg/kg	9	3140	217		1390	119		1720	238		1440	100		2650	369	
Mn	mg/kg	9	269	21.0		677	37.9		162	9.00		1070	15.0		801	101	
Mo	mg/kg	3	1.41	0.350		0.840	0.090		0.550	0.110		1.40	0.070		1.29	0.320	
Na	mg/kg	8	210	19.4		52.0	21.7		151	20.5		44.7	21.1		103	31.3	
Ni	mg/kg	10	9.22	0.640		10.0	0.750		4.96	0.445		15.2	1.03		12.9	1.47	
P	mg/kg	10	432	28.0		438	38.0		162	10.5		456	34.0		414	21.7	
Pb	mg/kg	9	10.3	1.34		5.20	1.13		6.64	1.07		16.1	1.43		21.3	1.61	
S	mg/kg	7	167	18.3		150	19.3		78.3	13.4		149	17.0		236	22.5	
Sb	mg/kg	1	3.30	0.000					2.40	0.000		3.60	0.000		5.10	0.000	
Se	mg/kg	3	0.511	0.133		0.492	0.022		0.462	0.035		0.570	0.129		1.01	0.488	
Sn	mg/kg																
Sr	mg/kg	3	27.1	2.64		12.9	3.73		18.4	3.70		15.8	3.13		39.5	1.04	
V	mg/kg	3	42.1	12.2		28.1	10.0		19.1	2.30		44.0	14.4		76.3	9.90	
Zn	mg/kg	10	60.1	6.70		35.9	3.12		18.8	3.59		46.7	3.61		47.4	6.42	
Hg (US-EPA 7470 or 7471)	mg/kg	1	0.041	0.000		0.032	0.000		0.029	0.000		0.034	0.000		0.039	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.