



2012 North American Proficiency Testing Program  
4th Quarter Report - January 22, 2013

Laboratory ID  
general

Environmental Soil Analyses	Units	n	Soil 2012-116			Soil 2012-117			Soil 2012-118			Soil 2012-119			Soil 2012-210		
			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	1	0.00	0.000		0.050	0.050		0.050	0.050		0.000	0.000		0.100	0.100	
Al	mg/kg	10	13000	1780		20600	2300		13700	1110		3220	405		17400	1490	
As	mg/kg	7	8.72	2.82		2.85	0.740		5.56	1.66		1.32	0.420		2.72	0.480	
Ba	mg/kg	8	91.7	6.63		121	10.0		147	10.6		33.5	3.65		173	12.5	
Be	mg/kg	5	0.600	0.200		0.365	0.085		0.550	0.090		0.150	0.050		0.500	0.005	
Bi	mg/kg																
B	mg/kg	5	4.20	1.79		6.50	2.20		5.20	2.17		2.09	0.390		6.56	3.02	
Ca	mg/kg	10	2900	200		6170	259		2440	140		614	124		3850	252	
Cd	mg/kg	8	0.230	0.049		0.427	0.095		0.295	0.034		0.190	0.110		0.365	0.047	
Co	mg/kg	9	10.0	0.630		16.1	0.900		9.10	0.600		1.82	0.180		12.1	1.70	
Cr	mg/kg	10	16.3	2.07		23.2	4.10		18.1	3.44		4.79	0.747		17.7	1.14	
Cu	mg/kg	9	8.29	0.750		21.8	3.20		9.79	0.800		4.28	0.450		17.1	1.60	
Fe	mg/kg	10	17100	809		27800	3260		16100	914		4300	861		25400	2280	
K	mg/kg	10	801	103		740	51.0		1500	126		379	91.2		3480	154	
Li	mg/kg	2	9.97	3.97		9.72	2.72		9.91	2.91		2.03	1.03		13.9	2.91	
Mg	mg/kg	10	1060	110		5400	457		2610	134		577	144		3930	181	
Mn	mg/kg	10	856	43.7		537	44.5		948	53.1		359	24.8		587	25.5	
Mo	mg/kg	5	0.977	0.423		0.885	0.600		0.832	0.370		0.505	0.115		0.521	0.180	
Na	mg/kg	7	42.4	13.0		705	69.4		43.1	18.7		16.2	5.89		314	11.0	
Ni	mg/kg	9	11.2	1.34		30.6	2.87		13.6	1.20		3.56	0.465		13.4	1.85	
P	mg/kg	9	439	26.0		734	37.0		622	40.0		242	8.63		755	22.0	
Pb	mg/kg	9	15.9	1.90		6.23	2.09		16.5	3.45		4.91	0.772		12.0	3.00	
S	mg/kg	7	155	5.00		49.6	9.85		215	12.5		52.5	11.5		108	15.7	
Sb	mg/kg											3.63	0.000				
Se	mg/kg	3	0.400	0.000		1.32	1.29		0.400	0.030		1.89	1.88		1.19	1.18	
Sn	mg/kg																
Sr	mg/kg	5	9.7	0.700		115.04	2.47		14.0	1.10		3.13	0.230		33.6	1.59	
V	mg/kg	7	27.9	3.10		76.1	21.2		31.2	6.61		6.72	4.98		46.1	15.9	
Zn	mg/kg	10	34.8	8.00		53.9	9.30		55.5	7.15		16.6	2.37		60.9	4.72	
Hg (US-EPA 7470 or 7471)	mg/kg	2	0.065	0.035		0.060	0.040		0.165	0.135		0.000	0.000		0.210	0.190	

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.