

B-horizon
<63 um fraction
4-acid dissolution

North American Soil Geochemical Landscapes Project
Summary Statistics - Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation	Ag ppb 20 milled 4-acid ICP-MS&ES	Al % 0.02 milled 4-acid ICP-MS&ES	As ppm 0.2 milled 4-acid ICP-MS&ES	Au ppm 0.1 milled 4-acid ICP-MS&ES	Ba ppm 1 milled 4-acid ICP-MS&ES	Be ppm 1 milled 4-acid ICP-MS&ES	Bi ppm 0.04 milled 4-acid ICP-MS&ES	Ca % 0.02 milled 4-acid ICP-MS&ES	Cd ppm 0.02 milled 4-acid ICP-MS&ES	Ce ppm 0.02 milled 4-acid ICP-MS&ES	Co ppm 0.2 milled 4-acid ICP-MS&ES	Cr ppm 1 milled 4-acid ICP-MS&ES	Cs ppm 0.1 milled 4-acid ICP-MS&ES	Cu ppm 0.02 milled 4-acid ICP-MS&ES	Dy ppm 0.1 milled 4-acid ICP-MS&ES	Er ppm 0.1 milled 4-acid ICP-MS&ES	Eu ppm 0.1 milled 4-acid ICP-MS&ES	Fe % 0.02 milled 4-acid ICP-MS&ES	Ga ppm 0.02 milled 4-acid ICP-MS&ES
Number of Samples	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176
Values < Det. Lim.	11	0	0	176	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0
Arithmetic Mean	148	6.65	12.5	<0.1	284	1	0.28	0.18	0.24	57.37	8.7	72	4.5	14.83	2.5	1.3	0.7	4.22	17.64
Median	110	6.59	8.4	<0.1	271	1	0.22	0.13	0.22	57.11	8.2	62	4.0	13.31	2.5	1.3	0.7	4.04	16.84
Variance	24270	1.16	977.4	0.0	8441	0	0.09	0.02	0.01	252.59	19.9	1694	9.2	55.50	0.5	0.1	0.0	2.06	17.22
Standard Deviation	156	1.08	31.3	0.0	92	1	0.30	0.15	0.11	15.89	4.5	41	3.0	7.45	0.7	0.4	0.2	1.43	4.15
Skewness	4	0.16	12.3	-	1	1	5.96	2.23	2.23	0.23	1.2	5	6.8	3.81	1.0	0.5	0.5	0.38	1.27
Kurtosis	23	-0.52	158.3	-	3	0	44.60	6.44	8.52	0.47	2.2	45	66.7	26.35	1.8	0.3	0.6	0.25	2.57
Percentiles																			
Minimum Value	<20	4.07	1.0	<0.1	44	<1	<0.04	0.02	0.09	14.28	1.1	16	0.4	3.61	1.4	0.5	0.2	0.57	10.25
5th Percentile	<20	4.86	3.6	<0.1	168	1	0.11	0.05	0.12	32.42	2.7	36	2.3	7.53	1.6	0.8	0.5	2.17	12.66
10th Percentile	30	5.37	4.7	<0.1	189	1	0.13	0.07	0.14	37.15	3.9	40	2.5	9.03	1.7	0.9	0.5	2.78	13.26
15th Percentile	46	5.62	5.2	<0.1	208	1	0.14	0.07	0.15	40.18	4.8	45	2.8	9.68	1.8	1.0	0.5	2.94	13.91
25th Percentile	61	5.89	6.2	<0.1	228	1	0.16	0.09	0.18	47.16	5.9	51	3.0	10.63	2.0	1.1	0.6	3.20	14.77
35th Percentile	79	6.14	7.1	<0.1	247	1	0.18	0.10	0.19	51.89	6.4	56	3.5	11.46	2.2	1.1	0.6	3.46	15.63
50th Percentile	110	6.59	8.4	<0.1	271	1	0.22	0.13	0.22	57.11	8.2	62	4.0	13.31	2.5	1.3	0.7	4.04	16.84
65th Percentile	153	7.01	9.9	<0.1	299	2	0.26	0.19	0.24	61.97	9.8	73	4.6	15.31	2.6	1.5	0.8	4.62	18.57
70th Percentile	162	7.22	10.4	<0.1	315	2	0.28	0.21	0.26	64.84	10.1	76	4.8	16.08	2.7	1.5	0.8	4.94	19.12
75th Percentile	176	7.38	11.2	<0.1	322	2	0.29	0.22	0.27	66.87	10.9	82	5.0	17.28	2.8	1.5	0.9	5.31	19.55
80th Percentile	206	7.61	12.7	<0.1	337	2	0.31	0.26	0.30	70.36	11.5	88	5.5	18.52	2.9	1.6	0.9	5.53	20.32
90th Percentile	279	8.15	19.3	<0.1	394	2	0.42	0.38	0.38	77.92	14.3	104	6.6	21.41	3.5	1.8	1.0	5.96	22.50
95th Percentile	368	8.52	27.0	<0.1	438	2	0.54	0.48	0.45	82.41	16.9	130	7.9	25.04	3.9	1.9	1.1	6.85	24.18
98th Percentile	608	8.76	30.4	<0.1	567	3	1.16	0.66	0.56	91.96	20.9	160	9.7	31.39	4.1	2.2	1.2	7.45	29.78
99th Percentile	785	8.93	41.1	<0.1	591	3	1.68	0.72	0.60	97.89	23.1	183	12.1	35.98	4.3	2.3	1.3	7.81	31.60
Maximum Value	1343	9.12	414.3	<0.1	643	3	2.96	0.97	0.91	111.64	26.8	460	35.9	76.22	5.6	2.4	1.4	8.80	34.51

B-horizon
<63 um fraction
4-acid dissolution

North American Soil Geochemical Landscapes Project
Summary Statistics - Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation	Gd ppm 0.1 milled 4-acid ICP-MS&ES	Hf ppm 0.02 milled 4-acid ICP-MS&ES	Ho ppm 0.1 milled 4-acid ICP-MS&ES	K % 0.02 milled 4-acid ICP-MS&ES	La ppm 0.1 milled 4-acid ICP-MS&ES	Li ppm 0.1 milled 4-acid ICP-MS&ES	Lu ppm 0.1 milled 4-acid ICP-MS&ES	Mg % 0.02 milled 4-acid ICP-MS&ES	Mn ppm 2 milled 4-acid ICP-MS&ES	Mo ppm 0.05 milled 4-acid ICP-MS&ES	Na % 0.002 milled 4-acid ICP-MS&ES	Nb ppm 0.04 milled 4-acid ICP-MS&ES	Nd ppm 0.1 milled 4-acid ICP-MS&ES	Ni ppm 0.1 milled 4-acid ICP-MS&ES	P % 0.001 milled 4-acid ICP-MS&ES	Pb ppm 0.02 milled 4-acid ICP-MS&ES	Pr ppm 0.1 milled 4-acid ICP-MS&ES	Rb ppm 0.1 milled 4-acid ICP-MS&ES	S % 0.04 milled 4-acid ICP-MS&ES
Number of Samples	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176
Values < Det. Lim.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Arithmetic Mean	3.1	3.77	0.4	1.19	26.1	48.7	0.2	0.54	410	0.82	0.813	15.07	20.9	23.3	0.094	17.38	6.2	70.9	0.13
Median	3.0	3.79	0.4	1.13	26.9	48.1	0.2	0.50	320	0.63	0.781	14.79	21.1	22.4	0.073	15.79	6.4	69.9	0.13
Variance	0.8	0.83	0.0	0.17	54.1	452.4	0.0	0.06	115408	0.53	0.076	32.63	38.1	177.4	0.005	73.30	3.2	611.8	0.01
Standard Deviation	0.9	0.91	0.1	0.41	7.4	21.3	0.1	0.24	340	0.73	0.275	5.71	6.2	13.3	0.070	8.56	1.8	24.7	0.11
Skewness	1.1	0.66	0.8	0.71	-0.1	1.8	0.9	1.07	4	5.15	0.308	5.29	0.2	2.0	1.424	3.50	0.0	0.3	0.26
Kurtosis	2.0	2.57	1.0	0.62	0.3	9.9	3.1	2.21	17	39.17	-0.168	49.30	0.3	7.0	1.866	20.17	0.1	0.0	-0.60
Percentiles																			
Minimum Value	1.5	1.36	0.2	0.18	6.5	9.2	0.1	0.07	76	0.18	0.142	6.53	5.8	3.1	0.012	5.53	1.7	8.6	<0.04
5th Percentile	1.9	2.39	0.3	0.68	14.2	18.3	0.2	0.22	144	0.29	0.403	8.72	11.4	6.2	0.023	8.11	3.2	35.1	<0.04
10th Percentile	2.1	2.72	0.3	0.74	15.9	25.1	0.2	0.27	165	0.35	0.468	9.92	12.9	9.7	0.029	9.87	4.0	44.1	<0.04
15th Percentile	2.3	2.99	0.3	0.82	18.6	29.0	0.2	0.32	193	0.37	0.515	11.07	14.6	11.9	0.033	11.53	4.3	47.8	<0.04
25th Percentile	2.5	3.21	0.3	0.89	21.9	35.6	0.2	0.36	227	0.46	0.639	12.05	16.6	15.4	0.044	12.90	5.0	52.8	0.05
35th Percentile	2.8	3.43	0.4	0.96	23.6	40.9	0.2	0.43	267	0.53	0.694	13.16	18.6	19.3	0.055	13.94	5.6	59.3	0.09
50th Percentile	3.0	3.79	0.4	1.13	26.9	48.1	0.2	0.50	320	0.63	0.781	14.79	21.1	22.4	0.073	15.79	6.4	69.9	0.13
65th Percentile	3.3	4.03	0.4	1.31	28.7	53.4	0.3	0.58	390	0.78	0.903	15.98	23.0	24.9	0.098	17.62	6.8	79.8	0.17
70th Percentile	3.4	4.12	0.5	1.39	29.5	56.0	0.3	0.62	426	0.83	0.956	16.61	23.9	25.8	0.110	18.72	7.0	83.1	0.18
75th Percentile	3.5	4.19	0.5	1.46	30.8	57.8	0.3	0.67	473	0.93	0.999	17.15	24.4	27.6	0.121	20.02	7.3	86.3	0.19
80th Percentile	3.8	4.37	0.5	1.54	32.1	63.4	0.3	0.71	509	1.06	1.074	17.82	26.1	30.6	0.135	20.92	7.6	89.6	0.23
90th Percentile	4.3	4.86	0.6	1.70	34.6	71.2	0.3	0.84	705	1.27	1.185	19.67	28.5	34.9	0.208	25.24	8.6	106.6	0.29
95th Percentile	4.7	5.25	0.6	1.95	37.2	81.4	0.3	0.94	933	1.86	1.268	21.24	30.4	46.8	0.239	30.05	9.1	112.8	0.30
98th Percentile	5.5	5.68	0.7	2.31	41.1	95.0	0.4	1.14	1454	2.58	1.359	24.25	34.0	63.6	0.267	38.54	9.9	122.1	0.33
99th Percentile	5.8	6.39	0.7	2.38	44.5	97.6	0.4	1.23	1884	3.14	1.450	27.08	37.3	78.0	0.292	45.53	10.4	128.0	0.37
Maximum Value	7.0	7.90	0.9	2.52	47.4	188.7	0.6	1.60	2584	7.35	1.649	70.26	40.7	93.5	0.388	79.87	11.4	146.7	0.44

B-horizon
<63 um fraction
4-acid dissolution

North American Soil Geochemical Landscapes Project
Summary Statistics - Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation	Sb ppm 0.02 milled 4-acid ICP-MS&ES	Sc ppm 0.1 milled 4-acid ICP-MS&ES	Sm ppm 0.1 milled 4-acid ICP-MS&ES	Sn ppm 0.1 milled 4-acid ICP-MS&ES	Sr ppm 1 milled 4-acid ICP-MS&ES	Ta ppm 0.1 milled 4-acid ICP-MS&ES	Tb ppm 0.1 milled 4-acid ICP-MS&ES	Th ppm 0.1 milled 4-acid ICP-MS&ES	Ti % 0.001 milled 4-acid ICP-MS&ES	Tm ppm 0.1 milled 4-acid ICP-MS&ES	U ppm 0.1 milled 4-acid ICP-MS&ES	V ppm 1 milled 4-acid ICP-MS&ES	W ppm 0.1 milled 4-acid ICP-MS&ES	Y ppm 0.1 milled 4-acid ICP-MS&ES	Yb ppm 0.1 milled 4-acid ICP-MS&ES	Zn ppm 0.2 milled 4-acid ICP-MS&ES	Zr ppm 0.2 milled 4-acid ICP-MS&ES
Number of Samples	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176
Values < Det. Lim.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arithmetic Mean	0.56	8.8	3.5	3.4	65	1.1	0.4	8.5	0.421	0.2	2.6	86	1.4	12.4	1.6	75.6	126.4
Median	0.49	8.7	3.4	2.8	61	1.1	0.4	8.1	0.418	0.2	2.4	82	1.3	12.4	1.6	67.1	125.8
Variance	0.25	4.5	1.1	5.6	624	0.2	0.0	6.3	0.010	0.0	0.8	653	0.8	11.1	0.2	1410.8	826.1
Standard Deviation	0.50	2.1	1.0	2.4	25	0.4	0.1	2.5	0.100	0.1	0.9	26	0.9	3.3	0.4	37.6	28.7
Skewness	8.77	0.5	0.7	5.7	1	2.6	1.1	1.6	0.195	0.3	2.6	2	5.1	0.7	0.6	1.5	0.3
Kurtosis	96.25	1.1	1.2	47.6	2	13.8	2.0	5.7	0.041	0.5	11.9	6	39.1	0.9	1.7	4.0	1.0
Percentiles																	
Minimum Value	0.11	3.1	1.2	1.3	11	0.4	0.2	1.7	0.199	0.1	0.7	27	0.3	4.6	0.5	9.1	41.5
5th Percentile	0.21	5.9	2.0	1.7	36	0.5	0.3	5.5	0.248	0.1	1.7	55	0.6	7.8	1.0	27.1	81.8
10th Percentile	0.29	6.3	2.4	1.9	41	0.7	0.3	6.2	0.302	0.1	1.8	60	0.7	8.5	1.1	36.9	91.7
15th Percentile	0.33	6.7	2.5	2.0	43	0.7	0.3	6.5	0.320	0.1	1.9	63	0.9	9.1	1.1	42.8	98.6
25th Percentile	0.39	7.6	2.8	2.2	49	0.8	0.4	6.9	0.363	0.2	2.0	69	1.0	10.0	1.3	51.5	109.8
35th Percentile	0.42	7.9	3.0	2.5	53	0.9	0.4	7.3	0.394	0.2	2.2	73	1.1	10.6	1.4	58.0	118.6
50th Percentile	0.49	8.7	3.4	2.8	61	1.1	0.4	8.1	0.418	0.2	2.4	82	1.3	12.4	1.6	67.1	125.8
65th Percentile	0.57	9.3	3.8	3.3	67	1.1	0.5	8.9	0.443	0.2	2.6	91	1.5	13.3	1.7	81.9	135.6
70th Percentile	0.59	9.5	3.9	3.5	71	1.2	0.5	9.1	0.458	0.2	2.8	95	1.5	13.8	1.8	85.1	139.5
75th Percentile	0.60	9.7	4.0	3.7	77	1.2	0.5	9.4	0.480	0.2	2.9	98	1.6	14.3	1.8	93.5	142.8
80th Percentile	0.64	10.3	4.1	4.0	83	1.3	0.5	9.9	0.504	0.2	3.0	102	1.7	14.8	1.9	97.8	145.0
90th Percentile	0.75	11.5	4.9	5.4	99	1.5	0.6	10.9	0.559	0.3	3.5	117	2.1	16.3	2.0	121.0	161.4
95th Percentile	0.95	12.5	5.3	6.1	110	1.6	0.7	13.0	0.611	0.3	3.9	132	2.5	17.9	2.2	142.9	173.6
98th Percentile	1.33	14.2	6.0	9.6	142	2.0	0.8	15.5	0.640	0.3	5.3	149	3.2	20.7	2.6	165.0	193.8
99th Percentile	1.99	15.2	6.4	10.6	152	2.7	0.8	18.5	0.661	0.3	5.7	156	4.7	22.3	2.7	190.2	204.1
Maximum Value	6.29	15.6	7.6	25.8	156	3.9	1.0	20.8	0.686	0.4	8.4	233	9.3	24.4	3.4	268.7	226.9

B-horizon
<63 um fraction
4-acid dissolution

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Ag ppb 20 milled 4-acid ICP-MS&ES	Al % 0.02 milled 4-acid ICP-MS&ES	As ppm 0.2 milled 4-acid ICP-MS&ES	Au ppm 0.1 milled 4-acid ICP-MS&ES	Ba ppm 1 milled 4-acid ICP-MS&ES	Be ppm 1 milled 4-acid ICP-MS&ES	Bi ppm 0.04 milled 4-acid ICP-MS&ES	Ca % 0.02 milled 4-acid ICP-MS&ES	Cd ppm 0.02 milled 4-acid ICP-MS&ES	Ce ppm 0.02 milled 4-acid ICP-MS&ES	Co ppm 0.2 milled 4-acid ICP-MS&ES	Cr ppm 1 milled 4-acid ICP-MS&ES	Cs ppm 0.1 milled 4-acid ICP-MS&ES	Cu ppm 0.02 milled 4-acid ICP-MS&ES	Dy ppm 0.1 milled 4-acid ICP-MS&ES	Er ppm 0.1 milled 4-acid ICP-MS&ES	Eu ppm 0.1 milled 4-acid ICP-MS&ES	Fe % 0.02 milled 4-acid ICP-MS&ES	Ga ppm 0.02 milled 4-acid ICP-MS&ES
1	NB071001	115	7.22	14.6	<0.1	180	1	0.27	0.11	0.18	53.91	4.7	61	3.4	10.03	2.1	1.1	0.7	4.88	15.44
2	NB071002	81	5.37	5.3	<0.1	337	1	0.29	0.25	0.16	73.30	6.9	43	5.1	15.76	2.6	1.4	0.9	1.90	15.00
3	NB071003	241	7.29	10.2	<0.1	245	1	0.18	0.21	0.31	60.05	11.1	59	3.0	15.93	3.6	1.6	0.9	5.10	17.41
4	NB071004	67	5.76	4.6	<0.1	335	2	0.72	0.48	0.20	60.92	4.9	56	9.0	8.79	3.3	1.8	0.9	2.55	22.29
5	NB071005	289	7.93	11.0	<0.1	289	2	0.57	0.21	0.29	52.51	10.0	77	7.8	10.52	1.8	0.8	0.4	5.56	18.33
6	NB071007	183	8.40	13.5	<0.1	643	3	0.42	0.17	0.23	83.93	9.7	94	35.9	34.41	3.9	2.2	1.3	3.65	31.10
7	NB071009	116	7.02	10.0	<0.1	267	1	0.27	0.12	0.24	66.31	10.3	67	4.8	16.81	2.4	1.2	0.8	4.71	16.81
8	NB071010	250	6.84	14.5	<0.1	192	1	0.16	0.12	0.22	47.67	5.8	96	3.9	13.92	2.3	0.9	0.7	5.65	15.23
9	NB071011	46	4.07	5.3	<0.1	169	1	0.17	0.14	0.19	61.53	1.1	30	3.0	5.42	2.2	0.9	0.7	0.79	13.34
10	NB071012	96	5.48	8.0	<0.1	209	1	0.16	0.27	0.12	74.77	3.6	46	3.2	6.44	2.0	1.0	0.7	1.94	14.29
11	NB071013	61	7.74	10.0	<0.1	154	1	0.23	0.09	0.20	41.09	6.3	79	2.2	10.30	1.7	1.0	0.6	4.62	12.75
12	NB071014	88	8.71	6.5	<0.1	136	1	0.22	0.09	0.38	39.06	4.9	59	2.3	11.26	1.7	0.8	0.6	4.04	12.69
13	NB071015	<20	4.79	2.1	<0.1	186	<1	0.12	0.12	0.13	71.55	1.4	39	2.3	3.61	1.8	1.2	0.8	0.57	21.54
14	NB071016	836	7.25	7.7	<0.1	243	2	0.16	0.20	0.23	58.36	6.7	59	3.4	8.29	2.2	0.8	0.9	4.31	14.21
15	NB071017	156	6.00	13.7	<0.1	238	1	0.18	0.13	0.24	70.36	5.9	68	3.0	15.49	1.9	0.9	0.9	3.45	13.98
16	NB071018	71	6.87	4.7	<0.1	504	2	0.26	0.22	0.19	70.13	15.6	69	5.2	29.35	3.2	1.5	0.9	3.45	18.11
17	NB071019	46	5.96	5.6	<0.1	319	1	0.29	0.08	0.15	61.03	6.3	63	4.4	31.39	2.7	1.6	0.8	4.20	18.97
18	NB071020	87	6.93	14.1	<0.1	270	1	0.25	0.12	0.21	62.11	6.3	73	5.3	11.09	2.7	1.7	0.9	5.90	24.01
19	NB071021	185	4.68	9.4	<0.1	186	2	0.29	0.17	0.46	67.92	5.1	38	4.6	14.70	2.7	1.3	0.6	2.82	14.23
20	NB071022	216	6.32	7.2	<0.1	121	1	0.37	0.39	0.45	35.96	4.0	31	1.7	15.82	2.3	1.3	0.6	3.28	13.68
21	NB071023	155	5.82	13.8	<0.1	228	2	0.26	0.25	0.23	62.45	7.3	51	3.4	14.51	2.1	1.1	0.7	2.88	13.16
22	NB071024	130	5.67	13.3	<0.1	256	1	0.18	0.20	0.14	58.30	5.8	75	2.7	11.24	2.0	1.0	0.7	3.91	14.95
23	NB071025	158	5.03	22.1	<0.1	197	1	0.39	0.32	0.20	49.56	2.7	45	3.3	5.61	1.7	1.1	0.6	5.57	15.42
24	NB071027	90	6.58	9.1	<0.1	322	1	0.20	0.17	0.26	85.59	12.0	93	4.4	17.58	2.6	1.4	0.9	4.21	17.15
25	NB071028	149	6.09	8.8	<0.1	279	1	0.07	0.19	0.24	66.39	9.7	82	4.5	10.62	2.3	1.1	0.7	3.44	13.31
26	NB071029	244	6.05	10.0	<0.1	252	1	0.08	0.21	0.22	61.41	10.1	84	4.1	17.89	2.1	1.0	0.6	3.73	13.40
27	NB071030	44	5.56	3.2	<0.1	278	1	0.13	0.14	0.13	50.91	6.1	61	3.0	7.73	1.8	1.2	0.6	2.12	13.92
28	NB071031	228	6.84	36.7	<0.1	183	1	0.16	0.11	0.30	46.47	5.2	73	2.4	10.72	1.6	0.9	0.5	5.53	12.61
29	NB071032	183	7.20	4.1	<0.1	215	1	0.23	0.23	0.18	72.12	5.4	44	3.9	9.78	2.4	0.9	0.8	2.38	15.99
30	NB071033	89	6.32	8.8	<0.1	287	1	0.18	0.19	0.22	68.50	13.0	48	4.8	24.98	3.2	1.8	0.9	2.81	18.54
31	NB071034	129	7.72	5.9	<0.1	229	1	0.15	0.08	0.22	59.99	5.7	49	3.7	10.54	2.8	1.4	0.8	3.51	19.72
32	NB071035	768	7.26	9.4	<0.1	221	1	0.11	0.09	0.27	55.38	6.1	42	2.4	9.29	2.6	1.1	0.8	4.35	12.68
33	NB071036	31	5.21	9.2	<0.1	268	2	0.21	0.16	0.12	49.91	9.1	49	4.5	17.55	2.5	1.4	0.6	2.51	14.35
34	NB071037	25	6.00	4.2	<0.1	304	1	0.16	0.23	0.14	67.03	2.6	70	6.2	6.37	3.2	1.8	1.0	0.84	22.26
35	NB071038	171	5.72	9.6	<0.1	271	2	0.08	0.12	0.25	77.44	8.2	53	6.4	14.51	3.5	1.7	1.1	2.86	15.55
36	NB071039	<20	4.76	7.4	<0.1	291	1	0.16	0.12	0.19	65.75	8.2	51	3.9	13.12	2.7	1.8	0.7	2.99	14.60
37	NB071040	163	9.12	1.7	<0.1	145	3	0.44	0.34	0.35	38.66	6.3	70	2.5	9.50	2.5	1.3	0.5	3.89	16.04
38	NB071041	<20	5.18	9.1	<0.1	239	1	0.17	0.52	0.16	55.60	7.8	58	3.0	17.22	3.3	1.8	0.9	3.08	13.85
39	NB071042	50	6.62	2.2	<0.1	155	1	0.15	0.43	0.44	38.72	4.9	48	1.4	19.75	2.5	1.6	0.5	3.35	11.45
40	NB071043	25	6.52	10.4	<0.1	296	1	0.24	0.40	0.23	47.31	9.8	75	4.9	16.23	2.3	1.6	0.7	4.69	22.47
41	NB071044	470	4.98	5.2	<0.1	234	1	0.30	0.82	0.30	28.66	3.0	40	2.3	12.69	2.5	1.6	0.6	4.19	19.31
42	NB071045	422	8.14	1.0	<0.1	44	1	0.36	0.07	0.28	31.35	1.2	32	1.4	9.78	1.4	0.5	0.4	3.92	14.81
43	NB071046	231	6.30	9.5	<0.1	290	2	0.22	0.08	0.24	55.90	11.4	69	4.3	20.24	2.4	1.4	0.6	3.18	17.91
44	NB071047	73	5.36	8.4	<0.1	207	1	0.20	0.08	0.91	55.49	10.0	50	4.1	15.61	2.4	1.4	0.6	2.87	16.44
45	NB071048	72	6.04	6.6	<0.1	231	1	0.29	0.21	0.21	64.93	10.5	49	4.0	19.56	2.7	1.5	0.8	3.03	16.35

B-horizon
<63 um fraction
4-acid dissolution

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable		Gd	Hf	Ho	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	S
Unit		ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
Min. Detection Limit		0.1	0.02	0.1	0.02	0.1	0.1	0.1	0.02	2	0.05	0.002	0.04	0.1	0.1	0.001	0.02	0.1	0.1	0.04
Sample Preparation		milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled
Dissolution		4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid
Instrumentation		ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES
1	NB071001	2.6	3.76	0.4	0.82	24.1	54.4	0.2	0.36	161	1.19	0.661	14.19	19.4	15.9	0.085	17.64	5.7	68.8	0.27
2	NB071002	3.1	3.97	0.5	1.39	34.7	31.3	0.3	0.54	268	0.31	0.799	19.89	26.8	18.7	0.035	13.52	8.1	120.7	0.18
3	NB071003	3.4	4.64	0.6	0.88	26.3	50.5	0.3	0.38	337	0.57	0.453	20.83	22.2	24.4	0.159	14.69	6.6	59.1	0.31
4	NB071004	4.3	5.25	0.6	1.13	29.4	39.1	0.3	0.50	225	0.92	1.649	29.83	23.7	13.0	0.053	20.53	6.9	67.3	0.04
5	NB071005	2.5	3.10	0.3	1.25	24.2	65.0	0.1	0.70	270	0.93	0.665	14.07	17.7	28.0	0.064	23.96	5.5	93.3	0.24
6	NB071007	5.4	5.56	0.7	1.33	39.3	94.8	0.4	0.34	194	0.93	0.958	24.55	36.7	26.0	0.073	20.80	10.1	79.2	<0.04
7	NB071009	3.3	3.91	0.4	1.20	31.0	57.7	0.2	0.52	350	0.59	0.516	15.34	23.7	25.3	0.056	20.95	7.1	77.8	0.29
8	NB071010	2.6	3.03	0.3	0.73	22.5	51.7	0.2	0.44	269	1.17	0.636	9.86	17.1	22.7	0.123	12.34	5.2	45.6	<0.04
9	NB071011	2.6	4.22	0.3	0.85	29.1	12.6	0.2	0.19	100	0.27	0.832	14.13	23.0	4.1	0.012	7.53	6.9	58.8	0.16
10	NB071012	3.5	3.69	0.3	0.99	36.3	28.9	0.2	0.31	164	0.37	1.343	12.92	28.0	12.7	0.036	14.21	9.1	56.2	0.15
11	NB071013	2.4	2.96	0.3	0.82	19.3	39.3	0.2	0.31	299	0.96	0.540	10.18	15.2	22.6	0.110	15.77	4.7	42.9	0.12
12	NB071014	1.9	2.83	0.2	0.60	18.1	44.0	0.2	0.24	189	1.09	0.406	8.35	13.8	17.3	0.136	20.92	4.3	42.5	0.06
13	NB071015	3.5	4.61	0.3	0.80	34.7	9.7	0.2	0.28	94	0.47	1.374	19.74	27.9	4.2	0.018	7.10	8.4	34.6	<0.04
14	NB071016	3.1	2.72	0.3	0.90	26.2	41.0	0.2	0.46	290	1.05	0.818	12.05	21.1	23.6	0.160	13.99	6.4	52.5	0.10
15	NB071017	3.0	3.48	0.3	0.86	31.5	40.6	0.2	0.50	206	0.58	0.933	13.10	25.4	20.7	0.055	11.63	7.5	50.7	0.24
16	NB071018	3.8	4.92	0.5	1.67	32.1	43.7	0.4	0.67	670	0.29	0.397	20.05	26.2	31.7	0.018	10.24	7.6	108.2	0.30
17	NB071019	3.2	4.44	0.5	1.41	29.3	26.6	0.3	0.27	294	0.35	0.216	20.84	22.4	14.1	0.033	13.70	6.6	90.5	<0.04
18	NB071020	3.9	3.74	0.5	0.89	29.8	45.1	0.3	0.48	332	1.22	0.631	15.00	24.1	19.6	0.109	11.80	6.8	75.3	<0.04
19	NB071021	3.2	4.46	0.4	0.96	31.9	48.7	0.3	0.27	290	7.35	0.690	21.36	24.4	10.1	0.037	19.93	7.6	78.3	0.04
20	NB071022	2.5	3.18	0.4	0.54	16.9	18.1	0.2	0.33	267	0.91	0.954	12.05	12.9	9.6	0.072	14.69	3.8	27.7	0.30
21	NB071023	3.4	2.99	0.3	0.84	26.9	37.9	0.2	0.50	292	0.66	1.307	12.39	20.9	25.0	0.074	16.65	6.6	48.8	0.05
22	NB071024	2.8	3.06	0.3	0.94	28.8	41.2	0.2	0.55	237	0.61	1.170	12.14	21.7	25.4	0.072	12.20	6.5	56.8	0.07
23	NB071025	2.4	4.53	0.3	1.02	24.3	24.7	0.2	0.22	217	1.25	1.132	17.95	18.5	6.9	0.080	23.71	5.6	52.0	0.07
24	NB071027	3.8	3.91	0.5	1.52	31.7	48.6	0.3	0.85	437	0.55	1.115	12.67	26.2	46.2	0.053	16.80	7.5	100.6	0.22
25	NB071028	2.9	3.80	0.3	1.18	25.9	53.5	0.2	0.81	247	0.47	1.124	10.25	22.1	49.8	0.072	7.41	6.6	66.3	<0.04
26	NB071029	2.5	3.42	0.4	1.11	23.3	44.2	0.2	0.75	251	0.42	1.024	11.51	20.1	46.8	0.108	10.39	6.0	65.0	0.16
27	NB071030	2.4	3.27	0.3	0.95	24.6	31.9	0.2	0.72	204	0.32	1.412	11.47	18.9	26.2	0.044	9.00	5.8	64.9	<0.04
28	NB071031	2.3	3.07	0.3	0.59	21.5	63.7	0.2	0.42	154	0.61	0.737	9.06	17.1	22.4	0.127	14.20	5.0	36.1	0.13
29	NB071032	3.0	3.81	0.3	0.86	33.6	39.4	0.2	0.34	279	0.64	1.195	16.00	26.4	17.2	0.084	20.66	8.0	58.1	<0.04
30	NB071033	3.9	5.25	0.6	1.49	32.7	36.5	0.4	0.54	326	0.57	0.460	23.94	25.8	27.7	0.013	17.12	7.6	92.0	0.19
31	NB071034	3.3	4.01	0.4	1.02	28.7	45.4	0.3	0.25	118	0.48	0.560	14.78	21.1	12.6	0.183	12.61	6.4	76.7	0.09
32	NB071035	2.8	3.49	0.4	0.86	26.3	52.2	0.2	0.27	174	1.14	0.725	13.73	20.8	16.2	0.104	16.37	6.0	50.0	0.29
33	NB071036	2.8	4.51	0.4	1.51	24.5	44.1	0.2	0.72	311	0.47	0.913	16.37	17.1	22.7	0.016	15.11	5.9	86.2	0.05
34	NB071037	3.9	4.06	0.5	1.69	32.4	22.9	0.3	0.42	87	0.51	0.508	17.89	23.9	8.5	0.032	14.70	7.3	90.6	0.23
35	NB071038	4.3	5.22	0.6	1.18	34.9	56.8	0.3	0.46	280	0.47	0.548	21.20	28.6	23.1	0.030	11.62	8.5	85.9	0.15
36	NB071039	3.2	5.27	0.5	1.16	33.2	36.0	0.3	0.49	185	0.60	0.739	17.48	25.2	21.0	0.025	17.81	7.5	62.5	<0.04
37	NB071040	2.8	2.68	0.4	0.61	16.4	25.6	0.2	0.39	1223	0.55	0.777	14.25	13.5	14.0	0.135	22.32	4.2	35.9	0.22
38	NB071041	3.7	4.01	0.5	0.93	27.2	34.6	0.3	0.70	372	0.44	1.183	16.64	22.3	20.5	0.030	13.45	6.7	50.4	<0.04
39	NB071042	2.2	3.32	0.4	0.66	13.5	15.2	0.2	0.40	212	0.58	1.048	9.98	9.8	11.7	0.042	14.84	3.2	27.4	0.10
40	NB071043	2.4	4.19	0.4	0.93	22.7	66.7	0.2	0.89	385	0.78	0.899	17.76	16.9	20.7	0.234	18.72	5.0	60.3	<0.04
41	NB071044	2.5	3.59	0.5	0.69	14.5	14.6	0.3	0.34	242	1.73	1.166	13.70	11.9	6.5	0.083	20.92	3.3	54.8	0.09
42	NB071045	1.8	1.36	0.2	0.18	15.2	14.1	0.1	0.07	110	0.54	0.142	14.53	10.0	3.2	0.204	17.03	3.2	13.0	0.24
43	NB071046	3.0	3.90	0.4	0.95	28.1	46.3	0.2	0.62	530	0.40	0.969	18.94	19.7	23.0	0.076	20.06	6.2	62.5	<0.04
44	NB071047	3.0	4.35	0.4	0.98	27.4	31.0	0.3	0.51	229	0.51	0.717	17.98	20.3	19.3	0.027	13.43	6.3	74.5	0.19
45	NB071048	3.6	5.02	0.4	1.15	30.7	39.6	0.3	0.58	334	0.40	0.591	18.73	22.9	21.5	0.014	15.80	6.9	85.7	0.33

B-horizon
<63 um fraction
4-acid dissolution

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable		Sb	Sc	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tm	U	V	W	Y	Yb	Zn	Zr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Min. Detection Limit		0.02	0.1	0.1	0.1	1	0.1	0.1	0.1	0.001	0.1	0.1	1	0.1	0.1	0.1	0.2	0.2
Sample Preparation		milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled
Dissolution		4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid
Instrumentation		ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES
1	NB071001	0.59	7.3	3.4	2.7	42	1.1	0.4	9.4	0.401	0.2	2.5	81	1.3	10.5	1.4	57.8	119.2
2	NB071002	0.59	8.7	4.5	3.2	66	1.5	0.5	9.1	0.587	0.2	3.8	76	1.7	13.3	1.7	49.0	136.6
3	NB071003	0.56	8.7	4.0	3.2	52	1.4	0.6	10.1	0.489	0.3	2.5	102	1.2	15.5	1.9	139.6	146.6
4	NB071004	0.64	7.6	4.0	6.2	104	2.6	0.6	10.9	0.611	0.3	3.7	72	1.6	17.2	2.0	39.8	194.3
5	NB071005	0.64	9.2	2.9	3.8	50	1.4	0.3	9.9	0.369	0.1	3.9	96	1.9	8.2	1.0	70.2	93.5
6	NB071007	6.29	15.6	6.4	6.7	109	1.6	0.7	12.1	0.630	0.3	3.9	133	2.1	18.3	2.8	103.3	204.5
7	NB071009	0.63	9.2	3.7	3.3	47	1.1	0.4	9.3	0.425	0.2	2.4	90	1.5	11.9	1.6	83.6	123.0
8	NB071010	0.98	8.9	2.8	2.1	39	0.7	0.3	7.0	0.320	0.1	3.1	83	1.1	10.0	1.1	71.8	100.7
9	NB071011	0.38	5.7	3.9	2.6	48	0.8	0.3	7.4	0.525	0.1	2.0	58	0.9	10.1	1.4	9.1	143.7
10	NB071012	0.39	6.6	4.3	2.2	65	0.9	0.4	10.3	0.368	0.1	2.0	51	1.1	9.9	1.1	31.0	126.3
11	NB071013	0.49	6.3	2.4	3.2	32	0.8	0.3	8.0	0.303	0.1	1.8	66	1.2	8.5	1.1	82.0	95.6
12	NB071014	0.40	6.1	2.6	2.7	29	0.7	0.3	9.0	0.216	0.1	2.8	63	1.4	8.2	1.0	72.0	91.5
13	NB071015	0.49	6.5	3.9	3.0	60	1.3	0.4	8.2	0.674	0.2	2.1	65	1.5	10.6	1.3	13.4	159.5
14	NB071016	0.36	7.7	4.2	2.1	59	0.8	0.4	8.4	0.335	0.1	2.0	76	1.7	9.2	0.9	92.4	95.6
15	NB071017	0.43	7.9	3.9	2.0	52	1.0	0.4	7.2	0.416	0.1	1.8	83	1.1	9.2	1.2	104.8	114.6
16	NB071018	0.53	12.7	4.4	3.0	77	1.5	0.6	9.1	0.536	0.3	2.6	103	1.2	15.9	2.3	65.1	148.5
17	NB071019	0.70	9.7	3.7	3.1	49	1.5	0.5	7.9	0.624	0.2	2.6	96	1.2	13.1	2.0	39.7	140.2
18	NB071020	0.59	9.2	3.8	3.3	54	1.0	0.5	8.0	0.402	0.2	2.7	104	1.3	14.8	1.8	46.4	133.8
19	NB071021	0.73	6.2	4.0	3.6	49	1.9	0.5	12.0	0.452	0.2	6.0	64	2.2	12.5	1.6	48.7	142.7
20	NB071022	0.59	7.8	2.5	1.9	67	0.8	0.4	6.8	0.387	0.2	1.7	71	1.1	12.1	1.4	35.9	114.4
21	NB071023	0.57	6.9	3.5	2.3	62	0.8	0.4	8.3	0.368	0.2	1.8	63	4.4	10.7	1.1	65.2	103.8
22	NB071024	0.75	8.1	3.4	1.9	59	0.8	0.4	6.8	0.374	0.1	1.7	67	1.2	8.9	1.1	71.3	114.0
23	NB071025	0.50	4.8	3.0	3.0	81	1.4	0.4	10.7	0.338	0.2	2.8	54	1.5	10.2	1.1	27.2	165.2
24	NB071027	0.58	9.6	3.9	2.2	64	0.9	0.4	8.6	0.407	0.2	2.4	110	1.0	13.2	1.8	69.4	131.6
25	NB071028	0.56	7.6	3.2	1.7	67	0.7	0.4	6.5	0.351	0.2	3.3	69	0.9	11.2	1.4	84.2	127.9
26	NB071029	0.53	7.4	3.3	1.8	63	0.8	0.4	7.0	0.393	0.2	2.2	84	0.9	9.4	1.4	80.8	111.9
27	NB071030	0.32	7.2	2.9	1.7	63	0.7	0.4	5.5	0.422	0.1	1.7	70	0.7	9.1	1.2	57.7	117.6
28	NB071031	0.75	7.2	2.8	1.7	42	0.5	0.3	6.7	0.283	0.2	2.2	70	0.8	8.5	1.1	121.5	98.5
29	NB071032	0.36	7.0	4.5	3.8	60	1.2	0.4	10.3	0.444	0.1	2.4	56	2.7	9.9	1.1	62.2	117.4
30	NB071033	0.51	10.0	4.7	3.0	57	1.8	0.5	8.1	0.612	0.2	3.0	106	1.2	16.8	2.2	59.1	174.5
31	NB071034	0.38	8.2	3.3	2.7	41	1.1	0.5	8.9	0.396	0.2	2.9	72	1.3	13.5	1.9	76.8	134.5
32	NB071035	0.47	6.4	3.4	1.8	43	1.0	0.4	8.5	0.347	0.2	2.0	65	1.0	11.6	1.5	81.7	118.7
33	NB071036	1.15	7.8	2.9	2.6	58	1.2	0.4	7.7	0.476	0.2	2.1	72	1.4	11.4	1.6	61.7	159.4
34	NB071037	0.46	10.6	3.9	3.9	60	1.2	0.5	9.3	0.488	0.3	3.0	77	1.4	16.7	2.1	25.9	142.9
35	NB071038	0.73	8.0	5.0	2.7	52	1.6	0.6	9.5	0.481	0.3	3.0	75	1.6	16.2	2.1	97.1	168.4
36	NB071039	0.66	7.7	4.0	2.2	64	1.0	0.5	8.5	0.444	0.3	2.5	60	1.2	15.9	2.0	51.6	188.9
37	NB071040	0.17	8.0	2.7	6.1	45	1.3	0.4	13.8	0.328	0.2	3.3	73	1.5	11.9	1.3	69.4	81.8
38	NB071041	0.94	9.0	4.0	2.3	88	1.0	0.5	7.1	0.557	0.2	2.0	78	1.1	17.4	1.9	42.8	155.0
39	NB071042	0.19	7.1	1.9	1.5	49	0.7	0.4	8.1	0.235	0.2	1.9	46	0.6	12.9	1.6	43.6	101.6
40	NB071043	0.63	9.5	2.7	2.8	89	1.1	0.4	7.8	0.530	0.2	2.4	111	1.5	13.5	1.7	63.2	142.9
41	NB071044	0.42	8.0	2.2	2.1	117	0.8	0.4	5.0	0.657	0.2	1.9	120	1.1	14.9	1.7	42.9	136.9
42	NB071045	0.11	3.1	1.6	4.0	11	1.2	0.2	7.3	0.199	0.1	1.9	40	0.3	4.6	0.5	21.1	41.5
43	NB071046	0.61	8.9	3.3	6.0	64	1.3	0.4	8.1	0.522	0.2	2.6	83	1.5	13.3	1.7	69.8	143.9
44	NB071047	0.48	8.9	3.0	3.6	53	1.1	0.4	7.0	0.512	0.2	2.0	82	1.1	14.4	1.7	44.1	155.4
45	NB071048	0.52	8.8	4.0	3.3	60	1.4	0.5	7.8	0.514	0.3	2.4	84	1.3	15.5	1.8	54.7	165.9

B-horizon
<63 um fraction
4-acid dissolution

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable		Ag	Al	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga
Unit		ppb	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
Min. Detection Limit		20	0.02	0.2	0.1	1	1	0.04	0.02	0.02	0.02	0.2	1	0.1	0.02	0.1	0.1	0.1	0.02	0.02
Sample Preparation		milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled
Dissolution		4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid
Instrumentation		ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES
46	NB071049	129	6.74	11.1	<0.1	326	1	0.25	0.11	0.59	72.21	9.1	58	5.6	13.85	4.3	2.0	1.1	4.95	18.66
47	NB071050	207	5.61	6.2	<0.1	204	1	0.13	0.13	0.25	46.70	8.5	85	4.6	12.01	1.9	1.0	0.5	3.25	11.19
48	NB071051	55	6.09	5.6	<0.1	269	1	0.16	0.08	0.19	60.07	8.2	72	11.5	10.81	2.0	1.1	0.7	2.18	15.83
49	NB071052	117	5.85	4.6	<0.1	262	1	0.10	0.13	0.21	74.08	7.1	68	2.9	9.19	2.6	1.5	1.0	3.09	12.49
50	NB071054	139	4.61	15.0	<0.1	258	2	0.31	0.15	0.24	63.01	7.7	66	5.9	15.75	2.7	1.4	0.7	3.32	14.89
51	NB071055	58	6.44	1.9	<0.1	79	1	0.08	0.97	0.45	14.28	22.5	460	0.4	31.10	1.5	0.8	0.5	6.83	19.62
52	NB071056	116	6.44	7.2	<0.1	181	1	0.14	0.49	0.23	39.43	9.4	149	2.9	30.94	2.7	1.4	0.8	5.67	18.80
53	NB072001	105	7.94	9.8	<0.1	243	1	0.29	0.17	0.28	56.89	9.0	64	2.9	9.65	2.6	1.2	0.8	4.04	17.34
54	NB072002	342	6.91	30.0	<0.1	436	2	0.52	0.31	0.30	65.95	9.9	66	3.8	17.88	3.7	1.9	1.0	5.58	21.85
55	NB072003	96	6.29	20.2	<0.1	295	1	0.28	0.29	0.37	58.18	17.2	99	3.2	25.22	2.7	1.4	0.8	5.31	18.47
56	NB072004	163	6.34	15.5	<0.1	230	1	0.44	0.67	0.55	36.74	12.6	87	2.8	21.59	2.9	1.7	0.7	5.31	18.06
57	NB072005	587	6.83	18.3	<0.1	171	1	0.27	0.17	0.37	44.64	8.2	86	3.6	24.42	2.3	1.3	0.6	5.86	21.22
58	NB072006	268	7.70	26.0	<0.1	226	2	0.31	0.14	0.56	57.62	11.5	74	4.3	18.11	3.0	1.5	0.6	4.97	17.38
59	NB072007	74	7.10	4.7	<0.1	461	2	0.11	0.41	0.24	68.88	15.8	129	3.8	14.31	3.3	1.6	1.0	4.03	17.82
60	NB072009	103	7.07	6.1	<0.1	299	1	0.12	0.05	0.22	56.85	14.4	122	5.1	24.53	1.8	1.1	0.5	5.30	16.96
61	NB072010	174	7.21	7.1	<0.1	318	1	0.19	0.21	0.25	44.69	14.1	105	2.3	15.22	2.0	1.2	0.5	4.44	18.22
62	NB072011	102	7.01	4.3	<0.1	202	1	0.14	0.20	0.23	47.85	9.3	57	1.9	9.94	1.9	1.0	0.5	3.39	10.25
63	NB072012	486	8.06	23.2	<0.1	279	3	0.54	0.09	0.46	37.58	1.8	35	5.2	9.75	3.9	2.4	0.5	5.01	33.09
64	NB072013	115	8.22	21.7	<0.1	437	2	0.34	0.29	0.27	96.45	5.2	36	6.0	11.78	4.1	1.5	1.1	4.37	29.20
65	NB072014	121	5.85	8.3	<0.1	260	1	0.25	0.13	0.31	49.43	8.1	92	3.6	13.04	1.9	1.3	0.6	7.03	16.77
66	NB072015	160	7.53	3.2	<0.1	235	1	<0.04	0.58	0.20	37.21	20.7	127	1.7	24.06	1.6	0.8	0.5	4.80	14.08
67	NB072016	320	8.51	6.2	<0.1	234	1	0.20	0.10	0.25	27.24	12.3	188	4.1	24.00	2.5	1.5	0.7	7.22	21.38
68	NB072017	76	5.65	4.9	<0.1	283	<1	0.12	0.16	0.62	31.18	6.6	90	2.7	9.75	1.9	1.1	0.5	4.03	13.60
69	NB072018	263	7.91	8.0	<0.1	208	1	0.27	0.09	0.30	35.16	7.0	100	2.6	19.54	1.9	1.0	0.5	5.64	13.91
70	NB072019	187	6.51	9.2	<0.1	297	1	0.22	0.15	0.18	41.84	10.5	171	3.8	18.24	2.2	1.4	0.6	7.68	20.55
71	NB072020	258	6.38	5.7	<0.1	211	1	0.18	0.07	0.35	20.37	5.8	181	2.7	11.51	1.6	1.1	0.4	7.92	16.57
72	NB072021	123	7.46	27.2	<0.1	287	1	0.40	0.13	0.25	81.85	10.7	54	5.9	11.86	3.7	2.0	1.0	6.21	34.51
73	NB072022	52	6.47	5.7	<0.1	344	1	0.25	0.06	0.18	57.14	9.7	55	5.8	12.63	2.6	1.4	0.7	3.49	19.14
74	NB072023	110	6.70	6.3	<0.1	265	1	0.20	0.07	0.15	53.20	26.8	77	4.3	15.26	2.6	1.4	0.8	3.86	16.08
75	NB072024	111	8.15	8.0	<0.1	226	2	0.24	0.18	0.28	53.71	6.3	60	2.9	8.21	2.4	1.4	0.7	4.45	18.50
76	NB072026	237	7.60	9.1	<0.1	204	1	0.24	0.06	0.28	50.98	6.4	54	2.8	10.82	2.8	1.2	0.6	5.45	16.22
77	NB072027	206	8.62	10.1	<0.1	217	2	0.21	0.07	0.21	41.58	17.5	84	3.8	12.31	2.5	1.5	0.6	5.95	24.46
78	NB072028	629	9.12	14.9	<0.1	284	2	0.68	0.27	0.32	73.45	9.0	60	5.7	15.24	5.6	2.4	1.3	5.72	22.32
79	NB072029	145	6.72	6.3	<0.1	344	2	0.18	0.10	0.21	56.31	10.9	57	5.8	14.42	2.7	1.6	0.8	4.49	20.19
80	NB072030	91	8.87	9.3	<0.1	219	2	1.09	0.11	0.20	52.94	14.4	71	3.2	8.06	2.9	1.5	0.9	4.91	18.62
81	NB072031	85	7.30	10.9	<0.1	194	1	0.29	0.07	0.19	59.81	6.1	64	4.7	15.52	2.7	1.4	0.7	6.21	17.20
82	NB072032	166	6.76	8.1	<0.1	317	2	0.26	0.09	0.17	57.08	9.6	66	4.0	10.92	2.9	1.6	0.9	4.78	18.58
83	NB072033	132	6.95	10.5	<0.1	267	1	0.17	0.07	0.21	57.62	8.3	63	3.5	11.00	2.5	1.6	0.8	4.16	19.98
84	NB072034	323	5.67	6.9	<0.1	212	1	0.12	0.12	0.19	47.95	4.7	83	2.7	8.04	1.5	0.8	0.6	5.70	13.20
85	NB072035	264	6.33	8.2	<0.1	237	1	0.26	0.09	0.32	49.44	6.1	89	2.8	8.95	1.5	0.9	0.7	5.84	16.35
86	NB072036	149	7.01	12.7	<0.1	353	1	0.28	0.35	0.22	55.89	12.5	95	3.4	11.83	2.2	1.0	0.9	7.02	14.71
87	NB072037	206	5.63	11.4	<0.1	304	1	0.15	0.10	0.23	54.56	8.4	131	4.2	10.97	1.7	1.1	0.7	4.33	16.85
88	NB072038	79	5.87	10.4	<0.1	212	1	0.22	0.11	0.33	39.88	5.4	124	3.2	13.91	1.7	1.1	0.6	7.13	19.83
89	NB072039	167	5.87	7.1	<0.1	219	1	0.14	0.10	0.31	41.37	7.0	97	3.1	13.02	1.4	0.9	0.5	6.07	13.12
90	NB072040	289	6.69	5.6	<0.1	186	1	0.12	0.11	0.23	50.13	5.3	90	2.6	10.18	1.8	0.8	0.7	5.48	12.02

B-horizon
<63 um fraction
4-acid dissolution

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable		Gd	Hf	Ho	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	S
Unit		ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
Min. Detection Limit		0.1	0.02	0.1	0.02	0.1	0.1	0.1	0.02	2	0.05	0.002	0.04	0.1	0.1	0.001	0.02	0.1	0.1	0.04
Sample Preparation		milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled
Dissolution		4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid
Instrumentation		ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES
46	NB071049	4.7	4.05	0.6	1.24	32.1	49.0	0.3	0.49	324	0.53	0.475	15.74	26.4	19.8	0.078	38.92	7.8	99.4	<0.04
47	NB071050	2.3	3.82	0.3	0.78	22.5	39.7	0.2	0.59	153	0.40	0.940	10.89	16.2	34.0	0.070	8.90	5.5	47.7	0.08
48	NB071051	2.1	3.81	0.3	1.40	28.2	47.7	0.2	0.84	202	0.26	1.035	14.31	21.4	28.3	0.025	8.11	6.5	110.4	0.10
49	NB071052	4.0	4.16	0.5	1.13	33.3	46.8	0.3	0.72	156	0.29	1.268	11.34	28.4	31.9	0.052	7.62	8.6	69.4	0.24
50	NB071054	3.0	4.19	0.4	1.26	26.1	50.3	0.2	0.53	230	0.93	0.672	16.58	23.6	24.0	0.050	17.04	6.9	85.5	0.13
51	NB071055	1.6	1.68	0.3	0.25	6.5	11.3	0.1	0.94	340	0.81	0.410	6.53	5.8	38.3	0.043	5.53	1.7	8.6	0.13
52	NB071056	2.8	3.15	0.5	0.75	15.6	25.4	0.2	0.66	351	1.16	0.780	11.63	14.5	22.3	0.070	15.99	4.3	27.0	0.32
53	NB072001	3.1	4.22	0.5	1.14	26.1	50.1	0.3	0.50	364	0.63	0.767	15.07	21.2	20.2	0.129	16.16	6.2	70.4	0.32
54	NB072002	4.5	4.67	0.6	1.68	30.8	26.5	0.3	0.94	583	2.26	1.083	20.86	26.9	23.4	0.133	31.62	7.3	101.2	<0.04
55	NB072003	3.2	3.70	0.5	1.58	25.3	42.6	0.3	1.20	502	0.93	0.969	20.24	20.8	46.8	0.114	22.12	6.1	76.6	0.13
56	NB072004	3.1	3.73	0.6	1.20	14.7	23.8	0.3	0.81	686	0.82	0.970	17.33	15.4	26.1	0.156	26.55	4.1	69.7	0.29
57	NB072005	2.3	3.69	0.4	0.70	22.4	36.3	0.3	0.60	335	1.28	0.746	16.90	15.2	23.3	0.055	29.52	4.9	43.9	0.09
58	NB072006	2.8	4.40	0.5	1.17	22.2	55.9	0.3	0.66	358	1.45	0.772	18.20	16.8	34.5	0.111	32.85	4.9	74.1	<0.04
59	NB072007	3.9	3.74	0.6	1.72	28.7	74.6	0.3	1.60	405	0.18	1.087	14.00	25.2	93.5	0.053	12.14	7.3	88.2	<0.04
60	NB072009	2.6	3.82	0.4	1.65	22.6	80.2	0.3	1.11	157	0.24	0.564	14.02	16.3	79.3	0.094	18.58	5.1	89.6	0.17
61	NB072010	2.3	3.87	0.4	0.86	19.3	52.1	0.2	0.83	279	0.64	1.209	19.60	13.9	52.4	0.103	14.64	4.5	48.0	<0.04
62	NB072011	2.0	3.59	0.3	0.89	17.5	33.1	0.2	0.57	224	0.37	1.141	11.67	13.7	32.7	0.093	14.02	4.0	46.2	0.15
63	NB072012	3.3	7.90	0.8	1.33	11.7	24.5	0.6	0.33	170	2.51	0.790	70.26	11.5	5.6	0.085	33.51	3.2	66.5	0.30
64	NB072013	5.6	6.83	0.6	1.62	47.4	26.5	0.3	0.35	275	1.23	1.166	26.16	34.2	17.7	0.068	32.84	10.2	81.7	0.24
65	NB072014	2.3	2.99	0.3	1.18	22.2	45.6	0.2	0.71	236	0.31	0.652	10.57	17.5	30.0	0.264	13.77	5.3	86.3	0.15
66	NB072015	1.6	2.42	0.3	0.54	7.8	19.0	0.1	1.33	361	0.76	0.573	8.01	8.2	77.6	0.234	7.88	2.3	11.2	0.16
67	NB072016	2.8	2.51	0.5	0.73	14.7	95.9	0.3	0.85	279	2.34	0.349	7.46	12.7	64.1	0.258	11.31	3.5	49.1	0.19
68	NB072017	1.9	3.23	0.3	1.05	14.8	28.8	0.2	0.45	516	0.34	0.835	11.79	11.9	19.3	0.108	9.24	3.5	61.0	0.18
69	NB072018	2.0	2.59	0.4	0.69	15.4	56.6	0.2	0.50	267	0.62	0.383	8.97	11.9	30.6	0.228	8.84	3.5	46.5	0.06
70	NB072019	2.6	2.86	0.4	1.09	18.5	64.6	0.2	1.03	259	0.42	0.761	16.17	15.3	56.3	0.124	14.97	4.5	71.8	0.07
71	NB072020	1.5	2.40	0.3	0.75	12.4	27.8	0.2	0.54	322	0.32	0.509	8.84	9.4	27.7	0.232	13.04	2.7	51.2	0.30
72	NB072021	4.4	4.89	0.7	1.45	35.2	28.5	0.4	0.34	698	1.22	0.717	15.84	26.6	14.7	0.085	22.09	7.8	146.7	0.12
73	NB072022	3.2	4.42	0.4	2.01	26.9	41.1	0.3	0.59	192	0.39	0.644	19.00	21.0	22.6	0.025	10.74	6.3	126.5	0.33
74	NB072023	3.3	3.65	0.4	1.44	24.6	62.5	0.2	0.62	585	0.81	0.771	15.11	20.1	26.9	0.055	13.58	5.9	105.0	0.12
75	NB072024	2.9	3.33	0.4	0.92	26.8	34.8	0.2	0.41	299	0.71	0.671	16.04	18.1	15.4	0.120	19.61	6.0	59.7	0.15
76	NB072026	2.8	3.27	0.4	0.83	24.8	62.1	0.3	0.34	133	0.83	0.489	11.26	18.7	15.6	0.168	14.65	5.5	60.3	0.44
77	NB072027	2.7	3.18	0.4	1.18	20.0	56.1	0.3	0.47	639	1.11	0.593	12.23	15.3	27.4	0.263	15.32	4.7	102.8	0.28
78	NB072028	6.0	4.05	0.9	1.42	38.1	36.6	0.4	0.47	289	1.74	0.812	17.25	30.9	20.4	0.213	23.95	9.1	115.1	0.30
79	NB072029	3.5	4.35	0.6	1.66	25.3	50.5	0.3	0.58	431	0.41	0.583	16.66	23.5	24.9	0.107	13.75	6.7	109.5	0.19
80	NB072030	3.5	3.31	0.4	0.79	22.9	56.8	0.2	0.48	412	0.75	0.812	14.36	20.8	20.9	0.115	15.91	6.3	63.2	0.15
81	NB072031	2.8	4.39	0.5	0.96	27.0	53.7	0.2	0.40	144	0.63	0.696	13.89	21.5	12.6	0.056	15.68	6.5	72.2	0.15
82	NB072032	3.7	3.25	0.5	1.08	29.5	50.2	0.2	0.50	241	0.54	0.647	15.85	23.0	25.5	0.191	14.77	6.9	79.8	0.05
83	NB072033	3.2	4.37	0.4	1.02	27.4	52.4	0.3	0.45	212	0.68	0.784	17.74	22.1	23.8	0.099	18.72	6.5	64.4	<0.04
84	NB072034	2.3	2.69	0.2	0.88	22.8	35.7	0.2	0.47	128	1.13	0.703	7.86	16.6	21.1	0.130	13.66	5.3	53.3	0.07
85	NB072035	2.2	3.18	0.3	0.96	23.4	35.1	0.2	0.48	219	0.49	0.698	8.07	18.8	22.7	0.311	13.68	5.6	57.0	0.07
86	NB072036	3.0	3.22	0.4	1.38	25.9	44.5	0.2	0.71	445	1.08	0.794	9.00	22.2	34.1	0.269	23.23	6.3	70.6	0.37
87	NB072037	2.6	3.95	0.3	1.22	24.5	54.2	0.2	0.68	373	0.37	0.938	9.36	21.4	32.1	0.110	8.11	6.4	78.5	0.18
88	NB072038	2.1	2.90	0.3	0.68	20.3	35.0	0.2	0.47	233	0.46	0.514	10.50	15.3	23.1	0.208	16.44	4.5	44.3	0.05
89	NB072039	2.0	2.35	0.2	0.97	21.7	46.1	0.2	0.58	224	0.40	0.694	7.48	16.7	34.0	0.194	11.86	4.9	55.5	0.20
90	NB072040	2.2	3.32	0.2	0.71	22.6	44.1	0.2	0.43	163	0.47	0.668	7.80	17.9	25.6	0.207	12.58	5.5	46.4	0.15

B-horizon
<63 um fraction
4-acid dissolution

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable		Sb	Sc	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tm	U	V	W	Y	Yb	Zn	Zr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Min. Detection Limit		0.02	0.1	0.1	0.1	1	0.1	0.1	0.1	0.001	0.1	0.1	1	0.1	0.1	0.1	0.2	0.2
Sample Preparation		milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled
Dissolution		4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid
Instrumentation		ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES
46	NB071049	0.61	9.2	4.9	3.3	50	1.2	0.7	8.3	0.418	0.3	3.3	89	1.3	19.7	2.2	138.9	135.7
47	NB071050	0.58	6.0	2.8	1.4	53	0.7	0.3	6.4	0.355	0.2	1.8	72	1.1	9.2	1.2	108.1	127.3
48	NB071051	0.55	8.6	3.1	2.5	54	1.1	0.4	7.4	0.437	0.2	2.0	81	1.4	10.0	1.4	46.4	127.0
49	NB071052	0.24	7.6	4.1	2.2	64	0.8	0.6	7.5	0.335	0.2	2.2	67	0.9	13.8	1.8	50.5	132.9
50	NB071054	1.95	8.7	3.8	4.1	50	1.2	0.5	8.7	0.441	0.2	2.6	79	2.0	12.9	1.7	75.9	139.2
51	NB071055	0.15	15.6	1.2	2.6	38	0.4	0.3	1.7	0.427	0.1	0.7	233	0.3	7.8	0.8	45.7	57.1
52	NB071056	0.47	11.6	3.1	2.7	50	0.9	0.4	5.2	0.514	0.2	2.1	157	1.2	11.1	1.5	45.2	98.8
53	NB072001	0.70	9.5	3.6	3.1	50	1.1	0.4	9.2	0.411	0.2	2.5	87	1.6	13.4	1.7	94.8	135.4
54	NB072002	1.02	12.5	4.5	5.3	58	1.4	0.7	9.9	0.518	0.3	3.4	106	2.4	18.6	2.2	97.3	148.4
55	NB072003	2.09	11.8	3.4	3.1	67	1.3	0.5	7.7	0.686	0.2	2.7	148	1.9	13.1	1.7	142.6	126.0
56	NB072004	1.28	11.2	3.3	5.4	67	1.3	0.5	7.5	0.650	0.3	3.2	134	2.0	14.7	1.9	137.5	121.0
57	NB072005	0.88	9.5	2.5	3.4	63	1.1	0.3	7.3	0.622	0.2	2.4	136	1.2	13.3	1.6	81.3	142.2
58	NB072006	0.81	8.6	3.0	4.0	48	1.5	0.5	13.4	0.449	0.2	3.6	91	2.1	15.1	1.8	157.5	140.4
59	NB072007	0.29	13.0	3.9	2.2	78	1.0	0.6	7.8	0.433	0.3	3.1	97	1.0	16.3	1.9	106.0	120.0
60	NB072009	0.35	9.2	2.5	1.7	50	1.1	0.3	7.2	0.432	0.2	2.2	105	0.9	9.4	1.5	93.9	120.6
61	NB072010	0.85	8.0	2.3	2.4	110	1.2	0.3	6.2	0.582	0.2	1.9	82	0.9	11.9	1.5	155.8	155.1
62	NB072011	0.48	6.1	2.1	1.6	73	0.8	0.3	6.9	0.372	0.1	2.3	60	0.7	9.8	1.2	63.2	119.8
63	NB072012	0.79	4.7	3.0	8.8	21	3.9	0.6	18.9	0.251	0.4	4.5	60	2.5	17.3	3.4	76.0	226.9
64	NB072013	0.39	9.1	5.5	6.0	71	2.0	0.7	20.8	0.427	0.2	5.5	92	1.6	14.7	1.9	46.9	175.8
65	NB072014	0.40	10.5	2.8	2.4	47	0.7	0.4	7.0	0.365	0.2	1.9	102	0.8	10.2	1.4	58.8	102.3
66	NB072015	0.17	8.2	1.6	2.0	146	0.5	0.2	2.4	0.550	0.1	1.1	118	0.6	6.4	0.8	57.4	83.3
67	NB072016	0.46	14.2	2.4	5.1	35	0.5	0.4	6.5	0.236	0.2	2.6	118	0.5	13.7	1.6	141.4	98.2
68	NB072017	0.34	7.4	2.0	1.9	56	0.7	0.3	5.6	0.417	0.2	1.7	73	0.8	9.6	1.4	94.7	113.1
69	NB072018	0.41	9.0	1.9	2.0	33	0.6	0.4	6.6	0.301	0.2	1.8	80	0.7	9.6	1.4	94.5	88.2
70	NB072019	0.40	10.3	2.6	2.3	66	0.9	0.4	6.5	0.530	0.2	2.2	131	1.1	12.5	1.5	66.8	104.3
71	NB072020	0.34	10.2	1.6	2.1	41	0.6	0.2	5.7	0.315	0.1	1.7	115	0.7	7.9	1.3	57.5	81.9
72	NB072021	0.59	9.5	4.9	3.9	60	1.3	0.6	10.3	0.428	0.3	3.0	150	1.5	20.2	2.6	37.2	160.5
73	NB072022	0.56	10.0	4.0	2.6	65	1.3	0.4	6.7	0.512	0.2	2.4	102	1.3	13.5	1.9	53.0	146.4
74	NB072023	0.55	9.3	3.2	3.5	53	1.1	0.4	7.3	0.456	0.2	2.4	106	1.3	12.6	1.7	63.6	126.7
75	NB072024	0.49	9.4	3.1	2.9	49	1.1	0.4	8.4	0.395	0.2	2.2	83	1.7	12.2	1.6	113.1	119.1
76	NB072026	0.42	8.0	3.0	2.7	40	0.8	0.4	7.4	0.321	0.2	2.1	85	1.0	11.9	1.6	57.2	100.0
77	NB072027	0.45	8.6	2.7	4.4	43	0.8	0.4	7.1	0.352	0.2	2.2	101	1.0	12.4	1.6	87.6	116.8
78	NB072028	0.57	10.6	5.9	4.3	52	1.5	1.0	14.2	0.423	0.4	4.0	100	3.0	24.4	2.7	83.0	123.3
79	NB072029	0.44	9.2	3.8	5.4	51	1.3	0.5	7.7	0.459	0.3	2.7	96	1.6	14.4	2.0	84.7	145.1
80	NB072030	0.43	10.3	3.8	3.3	48	1.1	0.5	10.1	0.389	0.2	2.7	94	1.5	13.3	1.8	101.3	118.5
81	NB072031	0.52	8.5	3.7	2.5	41	1.1	0.4	10.3	0.395	0.2	2.6	91	1.5	13.0	2.0	30.9	127.4
82	NB072032	0.51	8.6	3.8	2.5	46	1.1	0.5	8.0	0.440	0.2	2.2	79	1.6	15.7	1.7	137.5	125.0
83	NB072033	0.49	7.9	3.5	2.4	53	1.1	0.5	8.9	0.441	0.2	2.5	91	1.4	14.3	1.8	88.9	150.5
84	NB072034	0.26	6.4	2.6	1.3	41	0.5	0.3	5.7	0.256	0.1	1.4	64	0.5	6.3	1.0	57.3	89.0
85	NB072035	0.26	8.8	2.9	1.7	37	0.5	0.3	6.2	0.240	0.1	2.6	86	0.6	7.5	1.2	67.4	105.3
86	NB072036	0.26	8.7	3.6	2.0	79	0.6	0.3	6.8	0.279	0.2	1.7	82	0.6	9.8	1.4	65.4	99.7
87	NB072037	1.08	10.3	3.7	2.1	43	0.6	0.3	7.1	0.306	0.2	2.3	99	0.7	9.5	1.3	120.0	135.0
88	NB072038	0.32	8.6	2.4	2.4	37	0.5	0.3	6.1	0.306	0.1	1.7	110	0.8	9.6	1.2	52.0	104.9
89	NB072039	0.25	7.7	2.4	1.5	41	0.4	0.2	6.3	0.210	0.1	1.7	66	0.6	7.9	1.0	55.7	88.9
90	NB072040	0.30	6.8	2.7	4.0	39	0.5	0.3	6.4	0.216	0.2	3.2	65	0.6	7.9	1.1	59.1	110.8

B-horizon
<63 um fraction
4-acid dissolution

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Ag ppb 20 milled 4-acid	Al % 0.02 milled 4-acid	As ppm 0.2 milled 4-acid	Au ppm 0.1 milled 4-acid	Ba ppm 1 milled 4-acid	Be ppm 1 milled 4-acid	Bi ppm 0.04 milled 4-acid	Ca % 0.02 milled 4-acid	Cd ppm 0.02 milled 4-acid	Ce ppm 0.02 milled 4-acid	Co ppm 0.2 milled 4-acid	Cr ppm 1 milled 4-acid	Cs ppm 0.1 milled 4-acid	Cu ppm 0.02 milled 4-acid	Dy ppm 0.1 milled 4-acid	Er ppm 0.1 milled 4-acid	Eu ppm 0.1 milled 4-acid	Fe % 0.02 milled 4-acid	Ga ppm 0.02 milled 4-acid
		ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES
91	NB072041	150	7.50	8.1	<0.1	458	1	0.19	0.20	0.14	60.91	7.2	108	4.8	13.68	2.6	1.6	1.0	6.25	20.65
92	NB072042	73	5.68	6.9	<0.1	260	1	0.11	0.12	0.15	53.98	8.0	81	3.0	9.61	1.8	1.1	0.7	4.96	16.52
93	NB072043	72	5.40	5.3	<0.1	328	1	0.10	0.31	0.16	63.10	6.4	56	3.0	6.71	2.2	1.2	0.8	3.02	14.47
94	NB072044	45	7.54	5.0	<0.1	219	2	0.20	0.08	0.25	43.58	7.0	54	2.5	9.59	2.2	1.3	0.6	4.09	16.48
95	NB072045	24	8.71	4.2	<0.1	213	1	0.14	0.07	0.34	57.69	8.7	52	3.4	9.10	2.6	1.2	0.8	3.71	17.54
96	NB072046	<20	6.14	6.4	<0.1	290	2	0.19	0.12	0.12	55.91	11.6	51	3.3	17.10	2.5	1.4	0.8	4.13	14.99
97	NB072047	163	8.58	7.7	<0.1	228	1	0.17	0.09	0.20	48.31	6.7	66	3.0	9.93	2.5	1.5	0.7	4.45	20.83
98	NB072048	107	8.17	6.3	<0.1	251	1	0.28	0.10	0.32	58.87	9.3	78	3.9	10.01	2.9	1.5	0.7	4.62	20.33
99	NB072050	55	6.60	4.7	<0.1	315	1	0.17	0.10	0.20	78.88	11.0	48	4.2	14.08	3.0	1.5	1.0	2.84	17.50
100	NB072051	172	7.22	6.6	<0.1	298	1	0.27	0.08	0.27	66.40	12.8	57	4.0	14.31	2.9	1.5	0.8	4.26	18.87
101	NB072052	77	6.73	7.0	<0.1	283	2	0.22	0.06	0.28	55.05	12.1	55	4.6	17.19	2.5	1.6	0.7	3.71	19.48
102	NB072053	158	5.45	2.6	<0.1	175	1	0.15	0.30	0.24	36.48	4.1	60	1.1	9.95	2.2	1.1	0.6	3.81	12.32
103	NB072054	105	6.64	7.3	<0.1	327	1	0.17	0.12	0.18	77.96	8.6	83	3.7	17.02	3.4	1.5	1.1	3.23	16.05
104	NB072055	199	6.08	9.3	<0.1	245	1	0.21	0.05	0.25	46.63	3.7	109	5.0	14.66	1.8	1.0	0.6	7.77	21.31
105	NB072056	211	5.66	7.6	<0.1	256	1	0.14	0.08	0.17	44.63	12.0	146	3.1	18.70	1.8	0.9	0.5	4.33	14.94
106	NB072057	94	5.95	5.8	<0.1	222	1	0.14	0.08	0.45	32.77	6.2	147	2.3	13.64	1.4	0.8	0.4	5.87	15.89
107	NB072058	124	6.22	7.4	<0.1	384	1	0.11	0.07	0.17	55.14	7.8	100	5.2	13.60	1.7	1.0	0.6	3.29	19.32
108	NB072059	97	8.03	8.1	<0.1	222	1	0.18	0.09	0.25	37.60	8.0	140	3.0	16.81	1.6	1.0	0.5	6.45	14.02
109	NB072060	102	6.88	7.7	<0.1	246	1	0.13	0.06	0.38	36.59	10.1	103	4.0	14.95	1.7	1.1	0.5	5.21	14.78
110	NB072061	<20	7.18	16.8	<0.1	355	2	0.46	0.31	0.15	45.61	6.0	97	2.9	14.40	2.6	1.4	0.7	8.80	27.76
111	NB072062	112	6.49	5.0	<0.1	314	2	0.35	0.69	0.20	54.38	10.1	81	3.7	12.92	3.4	1.7	1.1	5.36	23.01
112	NB072063	207	7.88	11.4	<0.1	287	2	0.40	0.32	0.38	50.11	6.5	59	3.1	11.00	2.5	1.3	0.6	3.64	16.02
113	NB072064	158	8.22	12.5	<0.1	268	2	0.33	0.11	0.32	44.44	24.9	88	5.0	19.87	2.6	1.5	0.6	5.23	21.80
114	NB072065	43	6.14	6.5	<0.1	334	2	0.26	0.21	0.19	57.67	8.0	72	3.7	8.53	2.6	1.4	0.8	3.86	20.32
115	NB072066	359	7.61	12.9	<0.1	237	3	1.23	0.15	0.20	53.06	21.1	97	7.0	20.87	3.4	1.7	0.8	5.96	21.73
116	NS071001	160	4.84	6.6	<0.1	225	1	0.19	0.04	0.35	72.41	7.0	40	3.8	14.31	3.1	1.7	0.8	2.30	10.82
117	NS071002	157	6.32	9.5	<0.1	263	1	0.34	0.03	0.16	71.51	4.1	52	5.7	11.20	3.0	1.6	0.9	5.46	19.10
118	NS071003	124	6.02	8.9	<0.1	280	2	0.26	0.06	0.38	97.63	10.5	57	4.8	19.39	4.4	2.1	1.2	3.60	14.94
119	NS071004	<20	5.70	7.9	<0.1	341	1	0.16	0.08	0.14	59.06	8.8	47	4.8	12.89	2.3	1.2	0.7	2.03	18.27
120	NS071005	100	5.83	5.7	<0.1	368	1	0.22	0.10	0.23	73.31	6.9	40	4.4	12.69	2.8	1.5	0.9	2.35	14.21
121	NS071006	27	6.43	6.1	<0.1	386	2	0.15	0.19	0.23	65.22	12.4	56	4.4	18.75	2.7	1.3	0.7	2.99	15.92
122	NS071007	56	8.46	5.9	<0.1	581	3	0.27	0.04	0.13	82.54	11.1	66	9.2	24.57	2.7	1.1	0.9	3.02	23.07
123	NS071008	47	6.60	15.5	<0.1	585	2	0.31	0.21	0.19	78.60	17.7	64	5.7	31.39	4.0	1.9	1.2	3.93	19.20
124	NS071009	79	8.06	23.7	<0.1	87	3	2.96	0.09	0.11	27.78	1.3	22	10.2	7.77	1.4	0.6	0.2	2.26	30.36
125	NS071010	41	7.38	9.0	<0.1	259	2	0.22	0.12	0.19	54.55	12.3	61	4.2	22.40	2.6	1.5	0.6	3.84	17.48
126	NS071011	25	4.53	3.7	<0.1	248	1	0.18	0.21	0.13	60.73	6.4	55	2.9	13.70	2.3	1.3	0.7	3.33	12.91
127	NS071012	237	6.67	6.3	<0.1	389	2	0.29	0.32	0.29	98.66	10.4	62	13.9	10.63	4.0	1.7	1.0	3.17	17.34
128	NS071013	33	7.38	8.2	<0.1	258	1	0.31	0.07	0.18	63.78	11.1	75	4.8	13.13	2.8	1.7	0.8	5.57	18.75
129	NS071014	122	5.93	9.2	<0.1	319	2	0.23	0.12	0.24	57.05	11.5	51	5.0	15.32	2.6	1.5	0.7	3.18	14.54
130	NS071015	296	4.59	4.8	<0.1	251	1	0.23	0.10	0.21	70.27	6.4	37	6.7	9.41	2.9	1.5	0.7	1.97	10.64
131	NS071016	30	6.98	10.3	<0.1	307	2	0.26	0.06	0.13	62.38	8.5	66	5.5	14.54	1.9	1.1	0.6	3.69	19.42
132	NS071017	59	6.62	12.5	<0.1	238	2	0.29	0.12	0.15	58.90	8.8	71	3.9	15.53	2.0	1.1	0.8	5.50	15.73
133	NS071019	149	6.96	54.4	<0.1	249	1	0.34	0.17	0.12	51.68	4.2	40	5.1	12.74	2.0	1.0	0.5	2.77	17.54
134	NS071020	103	6.23	3.9	<0.1	250	2	0.36	0.31	0.15	79.05	2.8	16	4.5	5.36	2.6	1.0	0.6	1.50	13.32
135	NS071021	293	6.56	9.5	<0.1	388	3	0.27	0.22	0.44	111.64	11.0	46	8.9	17.44	3.9	1.7	0.9	3.35	16.54

B-horizon
<63 um fraction
4-acid dissolution

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable		Gd	Hf	Ho	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	S
Unit		ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
Min. Detection Limit		0.1	0.02	0.1	0.02	0.1	0.1	0.1	0.02	2	0.05	0.002	0.04	0.1	0.1	0.001	0.02	0.1	0.1	0.04
Sample Preparation		milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled
Dissolution		4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid
Instrumentation		ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES
91	NB072041	3.0	3.94	0.5	1.50	29.7	40.8	0.3	0.74	299	0.34	0.984	11.79	23.1	33.2	0.134	9.90	6.8	132.6	0.19
92	NB072042	2.7	3.75	0.3	0.84	26.4	56.7	0.2	0.71	179	0.53	1.136	11.99	21.6	30.6	0.085	9.84	6.2	48.4	0.05
93	NB072043	3.1	3.24	0.4	0.90	31.2	45.5	0.2	0.72	177	0.62	1.268	12.56	23.8	24.7	0.041	7.47	7.1	52.6	0.08
94	NB072044	2.6	3.49	0.3	0.83	20.6	34.6	0.2	0.34	436	0.55	0.769	11.16	16.4	13.5	0.388	16.34	5.1	59.9	0.18
95	NB072045	3.1	4.13	0.4	0.97	26.4	53.1	0.2	0.33	171	0.29	0.879	15.22	20.5	16.2	0.170	11.88	6.3	72.8	0.15
96	NB072046	3.4	4.13	0.4	1.55	27.1	38.2	0.3	0.82	339	0.38	1.166	16.54	21.5	25.1	0.028	18.84	6.5	80.3	0.10
97	NB072047	2.9	4.00	0.4	0.80	23.3	57.8	0.3	0.35	199	0.85	0.695	15.91	18.0	19.3	0.142	15.07	5.5	55.5	0.11
98	NB072048	3.3	4.11	0.5	1.22	26.4	51.5	0.3	0.42	234	0.73	0.705	14.40	21.0	23.8	0.124	26.49	6.7	106.4	0.08
99	NB072050	3.9	4.83	0.5	1.54	34.8	53.2	0.3	0.71	284	0.28	1.017	19.58	28.1	25.6	0.048	18.12	8.8	83.5	<0.04
100	NB072051	2.9	4.39	0.5	1.33	30.9	54.2	0.3	0.52	322	0.46	0.681	18.77	24.1	22.1	0.200	16.27	7.5	94.1	<0.04
101	NB072052	3.0	3.55	0.4	0.86	26.9	63.4	0.2	0.58	488	0.63	0.708	18.43	19.7	24.4	0.164	14.92	6.4	64.0	0.16
102	NB072053	2.3	3.07	0.3	0.68	16.3	15.6	0.2	0.32	296	0.51	0.712	10.37	12.2	14.7	0.218	7.52	3.8	33.0	0.19
103	NB072054	4.8	3.96	0.5	1.42	34.2	48.3	0.2	0.77	299	0.40	1.074	12.66	29.3	33.4	0.099	13.03	8.4	89.5	0.24
104	NB072055	2.3	3.22	0.4	1.17	21.1	30.9	0.2	0.33	76	0.52	0.371	9.70	19.2	14.4	0.154	13.20	5.0	72.7	0.24
105	NB072056	1.9	3.06	0.2	1.26	20.0	66.2	0.2	1.17	214	0.35	1.017	11.22	15.0	63.1	0.157	11.51	4.8	73.4	0.19
106	NB072057	1.9	2.52	0.2	0.73	18.8	43.9	0.1	0.79	258	0.67	0.826	9.24	12.1	35.3	0.113	10.89	4.1	41.0	0.18
107	NB072058	2.1	3.78	0.3	1.68	25.1	44.0	0.2	0.86	227	0.26	0.891	15.77	19.7	38.8	0.058	12.53	5.9	96.2	0.12
108	NB072059	2.2	3.09	0.3	0.97	17.6	46.0	0.2	0.49	218	0.54	0.640	7.21	14.0	36.1	0.259	16.61	4.4	54.8	0.14
109	NB072060	2.3	3.42	0.3	1.10	15.2	64.9	0.2	0.45	419	0.61	0.682	9.00	15.7	36.6	0.255	13.00	4.2	55.5	0.19
110	NB072061	2.9	2.05	0.4	0.93	22.3	9.2	0.2	0.57	490	1.46	0.616	22.24	15.6	18.2	0.217	17.91	5.0	50.1	0.12
111	NB072062	4.3	3.05	0.6	0.93	28.4	23.8	0.2	0.85	392	0.78	1.126	17.78	23.9	23.2	0.113	16.23	6.7	44.3	0.05
112	NB072063	2.8	3.98	0.4	1.01	19.8	18.4	0.2	0.46	283	0.79	1.151	16.13	14.7	16.9	0.087	19.66	4.5	62.6	0.04
113	NB072064	2.8	3.38	0.4	0.91	21.0	58.8	0.3	0.61	439	0.80	0.497	15.71	16.0	31.6	0.064	19.51	5.2	71.3	0.15
114	NB072065	3.4	4.12	0.4	1.74	26.9	52.6	0.3	0.59	455	0.40	1.074	17.10	21.8	19.7	0.079	13.94	6.5	123.4	0.11
115	NB072066	3.9	3.11	0.6	1.18	24.4	80.2	0.3	0.57	812	1.79	0.436	18.02	20.0	27.5	0.148	17.55	5.9	116.9	0.18
116	NS071001	3.1	4.97	0.5	1.04	34.1	39.0	0.3	0.34	240	0.41	0.716	15.81	25.8	16.2	0.038	16.21	7.8	61.8	0.28
117	NS071002	3.2	4.16	0.5	1.11	32.9	44.7	0.3	0.21	144	0.82	0.326	13.54	28.4	11.1	0.044	13.62	7.5	79.8	0.18
118	NS071003	5.2	6.24	0.7	1.29	44.2	70.8	0.4	0.46	351	0.66	0.649	16.04	39.2	22.4	0.031	20.31	10.9	86.4	0.22
119	NS071004	2.8	4.19	0.4	1.09	30.1	48.4	0.2	0.44	307	0.31	0.929	16.87	22.6	19.3	0.027	14.98	6.8	71.3	<0.04
120	NS071005	3.6	4.59	0.5	1.54	33.1	68.1	0.3	0.51	471	0.96	0.567	15.49	27.1	16.2	0.024	14.20	7.7	88.1	0.27
121	NS071006	2.9	4.35	0.4	1.71	30.1	58.6	0.3	0.74	682	0.37	0.898	17.82	24.0	27.6	0.020	15.77	6.9	83.7	<0.04
122	NS071007	3.7	3.83	0.4	1.73	33.5	102.6	0.2	0.41	786	0.42	0.419	15.12	29.1	30.2	0.031	12.12	8.6	111.0	0.27
123	NS071008	5.2	3.90	0.6	2.24	34.0	69.7	0.3	0.81	1192	0.71	0.796	15.59	31.1	36.4	0.045	24.53	9.4	103.3	0.06
124	NS071009	1.8	2.84	0.2	0.94	12.0	76.8	0.1	0.11	148	0.50	0.904	20.59	11.0	3.1	0.285	19.02	3.2	90.3	0.10
125	NS071010	3.1	3.82	0.5	0.92	27.3	71.4	0.2	0.43	419	1.06	0.514	15.71	20.5	26.0	0.038	17.12	6.4	63.4	0.14
126	NS071011	3.2	4.38	0.4	1.47	28.7	31.9	0.2	0.45	305	1.33	1.000	13.15	22.0	14.3	0.043	12.41	6.4	53.8	0.10
127	NS071012	4.6	5.21	0.6	1.82	39.3	53.4	0.3	0.63	520	0.70	1.142	17.75	33.7	21.1	0.052	21.23	9.6	98.4	<0.04
128	NS071013	3.4	4.29	0.5	1.60	29.7	71.3	0.3	0.58	204	0.93	0.673	15.14	23.5	23.4	0.065	13.95	7.5	89.5	0.20
129	NS071014	2.8	3.91	0.5	1.73	21.9	69.5	0.2	0.52	483	0.62	1.052	15.28	19.1	25.0	0.041	20.00	5.5	87.5	0.12
130	NS071015	3.8	5.16	0.4	1.39	33.1	64.7	0.3	0.30	1096	0.42	0.965	12.76	26.5	9.8	0.044	17.09	7.8	84.3	0.10
131	NS071016	2.3	4.03	0.4	1.83	28.0	62.7	0.3	0.47	204	0.89	0.809	18.05	22.3	21.5	0.043	20.89	6.6	108.6	0.13
132	NS071017	2.9	3.55	0.3	1.01	28.0	51.0	0.2	0.25	376	1.12	0.588	11.47	22.0	19.1	0.071	11.94	6.7	52.8	0.22
133	NS071019	2.8	3.62	0.3	1.45	21.9	49.3	0.2	0.23	364	0.72	1.224	13.54	17.0	10.7	0.086	38.16	5.5	80.0	0.30
134	NS071020	4.3	4.51	0.3	1.54	33.8	38.4	0.2	0.19	225	0.35	1.244	11.11	29.2	6.1	0.098	20.51	8.6	82.1	0.13
135	NS071021	7.0	5.74	0.6	1.65	45.4	84.9	0.3	0.51	642	0.83	0.782	17.11	40.7	23.2	0.052	29.48	11.4	85.8	0.13

B-horizon
<63 um fraction
4-acid dissolution

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable		Sb	Sc	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tm	U	V	W	Y	Yb	Zn	Zr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Min. Detection Limit		0.02	0.1	0.1	0.1	1	0.1	0.1	0.1	0.001	0.1	0.1	1	0.1	0.1	0.1	0.2	0.2
Sample Preparation		milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled
Dissolution		4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid	4-acid
Instrumentation		ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES	ICP-MS&ES
91	NB072041	0.42	11.6	3.6	3.7	67	0.9	0.4	7.8	0.425	0.3	2.3	131	0.9	14.1	2.0	63.9	130.5
92	NB072042	0.26	7.7	3.3	2.4	57	0.6	0.4	6.0	0.350	0.1	1.6	88	0.7	9.7	1.2	69.4	132.1
93	NB072043	0.21	7.1	3.4	3.1	96	0.7	0.4	6.2	0.381	0.2	1.7	73	0.8	11.4	1.4	60.7	115.2
94	NB072044	0.39	6.8	2.8	2.7	36	0.8	0.4	8.3	0.334	0.2	2.1	73	0.9	11.4	1.6	102.4	120.1
95	NB072045	0.43	8.2	3.3	2.8	47	1.1	0.4	10.0	0.395	0.2	2.2	81	2.4	12.1	1.6	58.5	132.1
96	NB072046	0.54	8.8	3.8	3.1	55	1.1	0.5	8.4	0.561	0.2	2.5	96	1.2	13.1	1.7	62.6	141.8
97	NB072047	0.41	8.4	3.0	4.1	47	1.0	0.4	8.9	0.399	0.2	2.4	95	1.2	14.3	1.8	120.5	142.8
98	NB072048	0.50	9.4	3.6	3.7	47	1.1	0.5	10.9	0.402	0.2	2.9	89	1.4	13.3	1.9	138.9	142.0
99	NB072050	0.53	9.7	4.8	2.6	55	1.4	0.5	9.6	0.574	0.3	2.9	87	1.6	14.7	2.1	59.0	160.9
100	NB072051	0.59	9.5	3.8	2.7	47	1.3	0.5	9.0	0.508	0.3	2.9	88	1.6	14.3	2.0	144.6	145.0
101	NB072052	0.55	8.8	3.2	3.0	49	1.2	0.4	8.0	0.498	0.2	2.5	87	1.3	15.0	1.6	116.0	129.2
102	NB072053	0.37	7.2	2.3	1.8	52	0.7	0.4	5.5	0.451	0.1	1.8	67	1.0	10.2	1.3	86.2	109.8
103	NB072054	0.37	9.8	4.9	4.1	57	0.9	0.6	8.1	0.375	0.2	2.2	85	0.9	14.2	1.8	71.5	126.1
104	NB072055	0.47	9.3	2.9	4.8	26	0.7	0.4	6.7	0.300	0.2	2.2	125	0.9	9.3	1.4	40.9	114.7
105	NB072056	0.43	8.9	2.6	2.9	55	0.7	0.3	6.1	0.336	0.1	1.7	88	0.9	7.8	1.1	114.0	105.4
106	NB072057	0.39	9.3	2.0	3.3	52	0.5	0.3	5.1	0.313	0.1	1.6	79	0.6	7.6	1.0	60.3	94.5
107	NB072058	0.45	9.4	3.0	2.7	64	1.1	0.3	6.7	0.510	0.2	2.3	108	1.2	9.1	1.5	72.1	121.8
108	NB072059	0.33	8.4	2.4	1.6	33	0.5	0.3	6.9	0.216	0.1	1.8	72	0.6	7.3	1.1	91.4	109.6
109	NB072060	0.48	8.4	2.6	2.0	38	0.6	0.3	6.1	0.280	0.2	2.2	91	0.8	8.7	1.3	99.9	120.1
110	NB072061	0.35	11.7	2.9	3.7	76	1.3	0.4	10.7	0.583	0.2	2.5	156	2.2	13.3	1.5	45.7	76.5
111	NB072062	0.30	10.0	4.0	3.3	86	1.1	0.6	9.8	0.531	0.2	2.6	104	1.9	16.9	1.7	48.4	98.7
112	NB072063	0.41	8.7	2.6	4.3	68	1.4	0.5	11.4	0.389	0.2	2.9	69	2.7	11.2	1.4	96.0	132.4
113	NB072064	0.68	11.3	2.7	4.3	46	1.0	0.4	8.8	0.399	0.2	2.5	102	1.8	12.5	1.6	112.9	118.7
114	NB072065	0.40	8.6	3.7	10.2	62	1.3	0.5	8.0	0.432	0.2	2.4	90	1.7	12.9	1.7	81.6	151.5
115	NB072066	0.70	11.0	3.7	10.2	44	1.7	0.6	11.6	0.398	0.2	5.1	91	3.1	14.7	1.8	92.4	100.4
116	NS071001	0.60	6.1	4.1	5.1	50	1.1	0.5	10.2	0.415	0.3	2.8	59	1.3	14.9	2.0	82.5	165.7
117	NS071002	0.65	8.1	4.5	2.6	49	1.0	0.4	9.1	0.397	0.2	3.1	91	1.1	14.8	1.9	26.6	136.8
118	NS071003	0.64	8.9	6.4	2.5	64	1.2	0.8	12.9	0.427	0.3	3.5	80	1.2	21.2	2.6	97.8	203.9
119	NS071004	0.54	8.5	3.5	2.8	92	1.0	0.4	6.9	0.433	0.2	2.0	63	1.4	12.4	1.6	57.0	149.3
120	NS071005	0.41	7.9	4.0	2.1	86	1.1	0.5	8.6	0.457	0.2	3.0	67	1.5	13.7	1.9	45.8	143.6
121	NS071006	0.50	9.6	3.7	2.3	84	1.2	0.5	8.7	0.498	0.2	2.5	73	1.4	12.9	1.6	66.8	133.1
122	NS071007	0.49	12.5	4.6	4.5	153	1.2	0.5	10.4	0.366	0.2	2.6	98	2.0	10.5	1.5	60.8	118.8
123	NS071008	0.92	12.6	5.7	4.8	112	1.1	0.7	9.4	0.420	0.3	2.4	93	1.8	20.2	2.2	81.5	127.9
124	NS071009	0.30	3.8	2.0	25.8	26	3.0	0.2	7.0	0.213	0.1	8.4	27	5.6	6.5	0.8	37.8	87.5
125	NS071010	0.48	8.8	3.4	6.5	78	1.1	0.4	9.3	0.446	0.2	2.4	83	1.3	13.0	1.7	113.5	139.9
126	NS071011	0.37	6.0	3.6	2.4	77	0.8	0.4	8.5	0.418	0.2	2.4	73	1.1	12.3	1.5	36.6	150.6
127	NS071012	0.36	9.2	6.0	3.8	94	1.3	0.7	16.7	0.468	0.3	5.6	79	1.5	16.2	2.1	85.5	166.9
128	NS071013	0.65	10.4	3.8	3.5	110	1.1	0.5	9.4	0.430	0.2	2.9	99	1.5	15.2	2.0	104.2	143.8
129	NS071014	0.55	7.6	3.2	2.2	92	1.1	0.5	7.8	0.398	0.2	2.8	75	1.4	13.1	1.7	77.2	136.6
130	NS071015	0.37	6.0	4.3	1.6	70	0.9	0.6	10.5	0.389	0.2	3.2	55	1.2	14.8	1.9	57.0	164.8
131	NS071016	0.68	9.7	3.5	2.6	126	1.4	0.3	7.9	0.479	0.2	2.8	99	1.6	11.8	1.9	55.0	128.5
132	NS071017	0.69	7.9	3.5	2.0	67	0.8	0.4	9.1	0.329	0.2	2.5	91	0.9	10.2	1.4	58.8	121.7
133	NS071019	0.29	5.7	2.9	3.5	53	1.2	0.4	8.3	0.402	0.1	2.2	53	1.9	8.9	1.1	134.5	119.6
134	NS071020	0.23	3.3	5.1	3.0	65	1.2	0.5	13.7	0.258	0.2	3.5	29	1.4	10.5	1.1	33.7	131.6
135	NS071021	0.47	8.4	7.6	3.9	69	1.6	0.9	18.4	0.476	0.2	4.3	80	3.3	15.7	2.0	172.5	169.6

B-horizon
<63 um fraction
4-acid dissolution

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Ag ppb 20 milled 4-acid ICP-MS&ES	Al % 0.02 milled 4-acid ICP-MS&ES	As ppm 0.2 milled 4-acid ICP-MS&ES	Au ppm 0.1 milled 4-acid ICP-MS&ES	Ba ppm 1 milled 4-acid ICP-MS&ES	Be ppm 1 milled 4-acid ICP-MS&ES	Bi ppm 0.04 milled 4-acid ICP-MS&ES	Ca % 0.02 milled 4-acid ICP-MS&ES	Cd ppm 0.02 milled 4-acid ICP-MS&ES	Ce ppm 0.02 milled 4-acid ICP-MS&ES	Co ppm 0.2 milled 4-acid ICP-MS&ES	Cr ppm 1 milled 4-acid ICP-MS&ES	Cs ppm 0.1 milled 4-acid ICP-MS&ES	Cu ppm 0.02 milled 4-acid ICP-MS&ES	Dy ppm 0.1 milled 4-acid ICP-MS&ES	Er ppm 0.1 milled 4-acid ICP-MS&ES	Eu ppm 0.1 milled 4-acid ICP-MS&ES	Fe % 0.02 milled 4-acid ICP-MS&ES	Ga ppm 0.02 milled 4-acid ICP-MS&ES
136	NS071022	182	7.21	13.7	<0.1	322	2	1.65	0.15	0.33	61.54	3.3	28	8.7	12.74	2.2	0.9	0.6	3.06	23.34
137	NS071023	76	4.82	6.7	<0.1	255	1	0.15	0.24	0.16	39.70	4.9	46	2.9	10.70	1.9	1.2	0.5	2.94	14.10
138	NS071024	31	7.84	12.6	<0.1	398	2	0.30	0.03	0.15	47.86	9.5	88	6.7	19.69	2.0	1.4	0.6	6.02	22.53
139	NS071025	61	5.57	10.6	<0.1	253	1	0.23	0.22	0.20	49.23	16.0	59	3.8	12.61	2.7	1.5	0.6	3.29	14.69
140	NS071026	124	6.99	26.9	<0.1	271	1	0.18	0.09	0.41	81.65	16.0	62	4.7	13.73	3.7	1.7	1.4	4.48	16.46
141	NS071027	1343	6.32	14.9	<0.1	250	1	1.77	0.20	0.45	57.33	6.2	46	5.8	76.22	3.0	1.4	1.0	4.57	14.07
142	NS071028	100	5.07	4.8	<0.1	214	1	0.19	0.36	0.18	45.83	3.3	36	2.9	9.99	2.5	1.5	0.7	3.11	13.42
143	NS071029	109	5.60	5.4	<0.1	318	1	0.15	0.08	0.21	66.81	7.0	54	4.0	10.32	2.3	1.3	0.8	4.17	14.72
144	NS071030	84	6.10	3.8	<0.1	402	1	0.25	0.65	0.23	87.47	5.6	44	7.8	11.39	4.0	2.3	1.0	3.36	18.07
145	NS071031	<20	5.89	8.2	<0.1	293	1	0.17	0.08	0.11	56.31	9.8	56	4.3	13.21	2.3	1.4	0.7	2.97	17.50
146	NS071032	206	6.18	30.7	<0.1	327	2	0.21	0.11	0.12	48.78	2.5	50	3.0	11.68	1.7	0.9	0.7	4.42	16.75
147	NS071033	173	8.08	9.7	<0.1	359	3	0.20	0.28	0.20	69.42	14.0	65	8.0	18.46	2.6	1.1	0.9	4.13	16.37
148	NS071034	127	7.50	8.4	<0.1	415	2	0.29	0.15	0.26	35.01	20.2	77	7.7	18.52	2.0	1.2	0.5	4.18	23.94
149	NS071036	331	8.35	20.6	<0.1	430	2	0.41	0.11	0.23	75.70	8.3	74	4.8	19.72	2.7	1.3	1.2	6.89	22.80
150	NS071037	<20	5.95	8.1	<0.1	294	1	0.16	0.07	0.18	43.36	16.8	106	6.4	10.70	2.8	1.8	0.6	6.33	16.74
151	NS071038	24	5.03	10.5	<0.1	260	1	0.17	0.12	0.23	57.50	10.4	57	3.7	21.19	2.5	1.8	0.7	2.95	15.29
152	NS071039	396	7.50	11.1	<0.1	288	1	0.30	0.08	0.21	70.66	8.7	77	4.4	18.79	2.7	1.4	0.6	4.44	19.41
153	NS071040	68	6.17	8.8	<0.1	408	2	0.26	0.05	0.27	71.41	11.7	74	5.7	12.32	2.4	1.3	0.9	4.02	20.12
154	NS071041	121	5.82	26.0	<0.1	358	2	0.55	0.09	0.14	50.78	2.3	45	7.5	11.44	1.7	0.8	0.7	5.78	22.54
155	NS071042	74	5.02	9.8	<0.1	272	1	0.17	0.15	0.17	44.13	2.9	45	3.6	9.78	2.1	1.2	0.6	3.21	16.07
156	NS071043	202	8.09	27.4	<0.1	320	2	0.30	0.26	0.23	77.39	4.2	59	4.4	14.13	2.6	1.1	0.9	4.61	19.53
157	NS071044	60	7.23	12.5	<0.1	441	2	0.19	0.23	0.12	29.26	4.9	57	5.8	10.97	2.0	1.2	0.3	3.37	18.80
158	NS071045	48	7.94	10.1	<0.1	201	2	0.53	0.41	0.15	54.92	3.8	57	3.9	10.66	2.4	0.9	0.8	5.35	24.08
159	NS071046	<20	5.59	2.7	<0.1	165	2	0.14	0.42	0.09	64.75	2.6	40	1.9	4.88	2.2	0.8	0.7	2.34	13.11
160	NS071047	<20	6.09	8.3	<0.1	299	2	0.15	0.52	0.11	37.09	6.1	56	2.5	12.21	1.8	1.0	0.5	3.16	15.57
161	NS071048	56	6.60	414.3	<0.1	608	2	0.42	0.41	0.12	44.24	5.5	99	2.7	16.37	2.2	1.3	0.7	5.37	15.19
162	NS071049	215	7.89	28.7	<0.1	353	2	0.30	0.25	0.23	23.43	11.9	117	5.2	20.64	2.4	1.2	0.4	5.84	20.32
163	NS071050	99	7.19	12.0	<0.1	369	1	0.30	0.20	0.26	66.53	6.6	73	3.8	13.08	3.1	1.7	0.8	4.92	21.58
164	NS071052	154	8.81	27.7	<0.1	436	2	0.35	0.09	0.16	34.76	5.9	95	7.7	21.22	1.8	0.9	0.5	5.83	26.67
165	NS071053	59	7.26	11.7	<0.1	553	2	0.25	0.17	0.15	62.83	11.0	62	6.7	19.33	3.4	1.4	0.9	3.90	20.75
166	NS071054	64	8.55	8.2	<0.1	403	2	0.18	0.16	0.21	67.53	8.0	65	5.9	12.65	2.2	0.9	0.9	3.68	19.42
167	NS071055	55	8.48	17.5	<0.1	301	2	0.46	0.28	0.27	62.55	3.9	39	5.0	9.60	3.6	1.5	0.8	3.70	27.54
168	NS071056	109	6.32	6.8	<0.1	315	1	0.16	0.43	0.23	58.63	15.8	55	4.8	40.67	3.9	2.2	1.0	3.68	15.60
169	NS071057	76	4.86	10.3	<0.1	332	1	0.20	0.12	0.27	70.64	12.7	53	3.7	19.59	2.8	1.5	0.9	2.90	12.84
170	PE071001	30	6.85	9.9	<0.1	310	1	0.17	0.11	0.14	87.19	9.5	50	3.9	12.38	2.4	1.2	0.8	3.47	16.01
171	PE071002	67	6.14	9.6	<0.1	282	1	0.13	0.04	0.20	77.87	9.9	46	3.8	12.72	2.3	1.0	0.8	3.82	14.92
172	PE071003	<20	6.22	7.2	<0.1	350	2	0.17	0.03	0.12	56.80	9.8	60	4.5	14.42	2.0	1.1	0.6	3.35	17.25
173	PE071004	50	5.71	6.8	<0.1	318	1	0.18	0.05	0.22	82.36	3.9	32	3.8	6.93	2.0	1.0	0.8	3.03	15.34
174	PE071005	83	6.29	9.5	<0.1	369	2	0.17	0.02	0.13	80.67	9.0	41	4.6	13.40	1.9	0.9	0.8	3.33	17.67
175	PE071006	57	5.92	6.1	<0.1	308	2	0.23	0.15	0.15	79.88	13.4	58	3.6	16.85	4.0	2.0	1.0	2.79	16.82
176	PE071007																			
177	PE071008																			
178	PE071009	69	7.81	8.5	<0.1	346	2	0.31	0.06	0.19	59.21	15.7	61	6.2	22.26	2.2	1.3	0.7	2.94	20.20

B-horizon
<63 um fraction
4-acid dissolution

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Gd ppm 0.1 milled 4-acid ICP-MS&ES	Hf ppm 0.02 milled 4-acid ICP-MS&ES	Ho ppm 0.1 milled 4-acid ICP-MS&ES	K % 0.02 milled 4-acid ICP-MS&ES	La ppm 0.1 milled 4-acid ICP-MS&ES	Li ppm 0.1 milled 4-acid ICP-MS&ES	Lu ppm 0.1 milled 4-acid ICP-MS&ES	Mg % 0.02 milled 4-acid ICP-MS&ES	Mn ppm 2 milled 4-acid ICP-MS&ES	Mo ppm 0.05 milled 4-acid ICP-MS&ES	Na % 0.002 milled 4-acid ICP-MS&ES	Nb ppm 0.04 milled 4-acid ICP-MS&ES	Nd ppm 0.1 milled 4-acid ICP-MS&ES	Ni ppm 0.1 milled 4-acid ICP-MS&ES	P % 0.001 milled 4-acid ICP-MS&ES	Pb ppm 0.02 milled 4-acid ICP-MS&ES	Pr ppm 0.1 milled 4-acid ICP-MS&ES	Rb ppm 0.1 milled 4-acid ICP-MS&ES	S % 0.04 milled 4-acid ICP-MS&ES
136	NS071022	2.9	4.31	0.3	1.40	28.6	76.8	0.2	0.26	466	1.26	0.999	17.95	22.3	6.2	0.079	17.57	6.6	110.6	0.31
137	NS071023	2.2	3.46	0.3	0.83	19.9	33.1	0.2	0.44	165	0.69	0.931	12.81	12.9	12.6	0.036	13.03	4.2	48.1	<0.04
138	NS071024	2.4	3.34	0.3	1.86	22.6	64.1	0.2	0.64	341	1.22	0.405	11.77	17.0	22.9	0.032	26.18	5.7	112.7	0.14
139	NS071025	3.3	4.49	0.4	0.98	25.8	50.4	0.2	0.67	758	0.66	0.774	15.65	18.3	17.9	0.034	23.60	5.6	50.8	0.10
140	NS071026	5.3	2.72	0.5	1.32	32.4	95.2	0.3	0.41	2362	1.43	0.423	10.09	29.6	28.3	0.096	26.03	8.4	88.5	0.14
141	NS071027	3.6	3.80	0.5	1.06	25.0	49.9	0.3	0.46	686	0.76	0.483	12.79	20.5	14.2	0.069	79.87	6.0	51.0	0.27
142	NS071028	3.1	3.51	0.4	0.90	22.8	19.3	0.3	0.32	236	0.67	0.985	12.75	17.5	6.2	0.044	9.83	5.5	44.6	<0.04
143	NS071029	3.2	4.53	0.4	1.30	29.3	57.1	0.3	0.39	318	0.53	0.664	14.92	24.0	14.6	0.059	8.69	7.1	78.7	<0.04
144	NS071030	4.2	3.63	0.7	1.17	25.7	48.4	0.3	0.50	409	2.43	1.284	14.79	21.8	10.1	0.079	15.47	6.3	81.5	0.21
145	NS071031	2.8	4.19	0.4	1.15	27.3	49.3	0.3	0.64	347	0.66	0.821	15.58	21.4	22.6	0.021	14.20	6.1	61.1	<0.04
146	NS071032	2.7	3.02	0.3	0.83	21.9	35.3	0.2	0.29	1069	2.05	0.957	13.51	16.4	6.1	0.069	19.33	5.0	44.2	0.07
147	NS071033	4.3	3.41	0.5	1.21	28.0	85.4	0.2	0.63	1157	1.09	0.721	14.30	25.6	33.0	0.057	27.57	7.4	54.0	0.23
148	NS071034	2.1	3.07	0.4	2.52	14.4	94.1	0.3	0.88	1724	1.59	0.598	16.91	14.3	30.6	0.054	23.43	4.0	118.5	0.21
149	NS071036	4.3	4.19	0.5	1.63	34.5	71.1	0.3	0.38	397	0.92	0.667	12.71	30.3	21.3	0.073	13.08	8.6	96.5	0.10
150	NS071037	2.7	3.25	0.5	0.84	20.9	188.7	0.3	1.02	888	0.57	0.889	13.19	16.6	35.5	0.221	8.68	5.0	50.8	0.09
151	NS071038	3.0	5.50	0.5	0.96	28.5	43.3	0.3	0.61	372	0.47	0.862	22.36	20.3	22.7	0.031	39.39	6.5	59.2	<0.04
152	NS071039	2.6	3.77	0.4	1.33	33.0	86.7	0.3	0.51	298	1.07	0.643	17.08	23.6	17.7	0.062	16.53	7.7	76.8	0.38
153	NS071040	3.4	4.08	0.4	1.94	29.1	63.1	0.3	0.64	571	0.60	0.758	15.32	28.2	22.6	0.045	15.48	8.1	106.8	0.13
154	NS071041	2.4	2.90	0.3	1.52	22.3	31.2	0.2	0.19	337	2.64	0.824	11.78	18.4	5.6	0.087	63.94	5.5	78.9	0.16
155	NS071042	2.8	3.97	0.3	0.86	20.0	36.6	0.2	0.23	421	0.64	1.001	16.48	16.3	7.0	0.059	22.33	4.8	49.0	<0.04
156	NS071043	3.9	3.36	0.4	1.12	35.9	63.4	0.2	0.28	544	2.88	1.121	11.26	28.3	11.7	0.088	21.78	8.7	54.0	0.23
157	NS071044	1.8	2.33	0.4	1.58	10.4	47.8	0.2	0.32	2584	0.63	0.850	13.68	7.4	11.6	0.042	16.86	2.3	93.9	<0.04
158	NS071045	3.8	2.29	0.3	0.76	27.5	34.1	0.1	0.17	296	0.84	1.241	18.95	21.2	9.9	0.072	25.91	6.8	43.3	0.09
159	NS071046	3.6	1.76	0.3	0.59	29.7	18.8	0.1	0.19	346	0.77	1.209	14.09	24.0	6.5	0.044	16.83	7.0	22.1	<0.04
160	NS071047	1.7	1.94	0.3	0.88	10.3	29.1	0.2	0.41	483	0.63	1.563	15.79	8.7	15.2	0.023	13.90	2.6	35.2	0.24
161	NS071048	2.4	1.80	0.4	1.13	16.1	36.9	0.2	0.71	482	1.05	1.186	12.11	11.6	14.0	0.057	17.66	3.6	41.9	0.12
162	NS071049	1.7	2.78	0.4	1.31	8.3	55.2	0.2	0.82	479	1.00	0.773	13.34	7.8	31.0	0.056	18.26	2.2	65.0	<0.04
163	NS071050	3.9	3.95	0.5	1.25	31.5	48.4	0.3	0.33	394	0.78	0.820	22.72	24.5	14.7	0.041	17.65	7.3	70.0	0.05
164	NS071052	2.4	2.47	0.3	1.10	17.3	80.0	0.2	0.38	738	3.91	0.795	12.37	13.2	15.7	0.057	23.18	4.2	68.4	0.12
165	NS071053	3.8	4.06	0.5	2.39	28.0	68.1	0.3	0.79	718	0.51	0.923	16.76	26.1	30.6	0.027	23.22	7.2	113.1	0.18
166	NS071054	3.3	3.14	0.3	1.60	28.0	68.1	0.2	0.36	1684	0.51	0.857	15.43	22.1	20.5	0.033	15.75	6.8	88.6	<0.04
167	NS071055	4.7	3.48	0.5	1.50	27.7	56.9	0.2	0.23	264	0.76	1.254	18.60	25.1	6.3	0.097	26.04	7.5	75.5	0.17
168	NS071056	4.7	4.03	0.6	1.58	27.9	64.5	0.4	0.85	712	0.53	0.782	13.45	24.3	27.6	0.068	12.18	6.9	74.0	<0.04
169	NS071057	3.5	5.61	0.5	1.37	33.6	49.0	0.3	0.44	715	0.74	0.605	15.78	26.8	21.5	0.022	24.57	7.9	80.0	0.09
170	PE071001	3.7	3.90	0.4	2.02	42.8	58.5	0.2	0.56	645	0.52	0.554	13.45	31.4	23.5	0.088	11.35	9.5	63.4	0.06
171	PE071002	3.3	3.87	0.3	2.37	35.9	55.8	0.2	0.40	601	0.67	0.421	11.05	28.6	19.8	0.114	16.23	8.6	72.3	0.09
172	PE071003	2.5	3.68	0.3	2.37	28.3	46.6	0.2	0.61	846	0.29	0.490	13.34	20.8	19.5	0.082	10.94	7.0	80.8	0.05
173	PE071004	3.4	4.05	0.3	2.15	38.9	30.0	0.2	0.21	570	0.33	0.355	13.91	30.5	6.6	0.091	11.59	8.9	82.7	0.25
174	PE071005	3.4	3.75	0.3	1.56	36.9	46.6	0.2	0.55	479	0.36	0.360	12.07	29.1	21.2	0.038	12.26	9.0	60.2	<0.04
175	PE071006	5.7	5.24	0.6	1.02	39.4	57.9	0.3	0.80	509	0.35	1.325	18.79	29.9	30.8	0.053	17.50	9.7	53.0	<0.04
176	PE071007																			
177	PE071008																			
178	PE071009	2.6	3.77	0.4	1.99	29.5	75.1	0.3	1.04	450	0.39	0.767	17.44	19.7	34.1	0.044	16.05	6.1	109.2	0.14

B-horizon
<63 um fraction
4-acid dissolution

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Sb ppm 0.02 milled 4-acid ICP-MS&ES	Sc ppm 0.1 milled 4-acid ICP-MS&ES	Sm ppm 0.1 milled 4-acid ICP-MS&ES	Sn ppm 0.1 milled 4-acid ICP-MS&ES	Sr ppm 1 milled 4-acid ICP-MS&ES	Ta ppm 0.1 milled 4-acid ICP-MS&ES	Tb ppm 0.1 milled 4-acid ICP-MS&ES	Th ppm 0.1 milled 4-acid ICP-MS&ES	Ti % 0.001 milled 4-acid ICP-MS&ES	Tm ppm 0.1 milled 4-acid ICP-MS&ES	U ppm 0.1 milled 4-acid ICP-MS&ES	V ppm 1 milled 4-acid ICP-MS&ES	W ppm 0.1 milled 4-acid ICP-MS&ES	Y ppm 0.1 milled 4-acid ICP-MS&ES	Yb ppm 0.1 milled 4-acid ICP-MS&ES	Zn ppm 0.2 milled 4-acid ICP-MS&ES	Zr ppm 0.2 milled 4-acid ICP-MS&ES
136	NS071022	0.29	6.4	3.6	11.8	64	1.9	0.4	10.3	0.375	0.2	4.2	56	9.3	10.0	1.4	77.7	132.3
137	NS071023	0.48	5.7	2.2	1.7	75	0.8	0.3	6.5	0.399	0.2	2.0	61	1.1	10.3	1.3	26.1	123.9
138	NS071024	0.78	11.0	2.8	2.8	90	0.9	0.3	6.5	0.357	0.2	2.6	112	1.2	10.7	1.6	79.4	116.8
139	NS071025	0.61	8.7	2.9	2.1	73	1.0	0.4	8.2	0.464	0.2	2.3	80	1.3	14.0	1.8	92.2	161.8
140	NS071026	0.52	9.3	5.2	2.4	57	0.7	0.8	8.7	0.273	0.2	2.7	71	0.9	17.7	2.0	204.0	95.8
141	NS071027	1.37	10.5	3.9	2.8	40	0.9	0.5	9.1	0.443	0.2	2.8	92	2.2	13.7	1.9	268.7	118.4
142	NS071028	0.58	8.3	3.1	1.7	101	0.8	0.4	6.8	0.428	0.2	2.0	63	1.2	14.2	1.7	30.5	123.4
143	NS071029	0.41	8.2	3.9	2.2	60	1.1	0.4	8.2	0.413	0.2	3.0	73	1.2	12.1	1.7	40.4	144.1
144	NS071030	0.70	9.5	3.7	2.3	156	0.8	0.7	8.6	0.480	0.3	3.6	104	1.4	22.2	2.3	57.7	142.9
145	NS071031	0.56	8.4	3.2	2.5	87	1.0	0.4	7.8	0.421	0.2	2.5	69	1.2	12.5	1.6	53.6	149.4
146	NS071032	0.47	6.9	3.1	2.0	86	0.8	0.3	7.3	0.403	0.1	2.0	60	1.3	9.0	1.1	28.8	113.4
147	NS071033	0.36	9.3	4.9	2.9	76	1.1	0.6	10.8	0.408	0.2	3.3	80	2.1	12.3	1.6	115.6	102.1
148	NS071034	0.56	11.3	2.4	3.2	106	1.2	0.3	4.8	0.440	0.2	3.1	119	1.4	10.2	1.6	143.6	106.3
149	NS071036	0.68	11.7	5.8	2.7	83	0.9	0.5	11.3	0.328	0.2	2.9	99	1.1	12.5	1.7	156.2	128.6
150	NS071037	0.55	14.1	2.7	2.0	54	0.8	0.4	5.1	0.539	0.2	1.8	125	0.9	15.7	1.7	185.6	124.6
151	NS071038	0.61	7.3	3.4	2.5	64	1.3	0.5	8.6	0.611	0.2	2.4	79	1.1	16.2	1.9	95.6	193.2
152	NS071039	0.67	10.3	3.0	4.9	91	1.2	0.4	8.7	0.463	0.3	3.0	95	1.6	13.2	1.9	114.2	125.5
153	NS071040	0.57	12.0	4.5	3.1	60	1.1	0.5	9.0	0.383	0.2	2.4	93	1.0	12.0	1.8	82.6	139.2
154	NS071041	0.42	7.6	3.0	3.7	64	1.0	0.4	7.1	0.328	0.1	3.1	80	1.4	8.3	0.9	42.4	91.8
155	NS071042	0.44	6.4	2.8	2.1	93	1.0	0.4	7.3	0.434	0.2	2.1	60	1.2	10.3	1.3	26.9	139.7
156	NS071043	0.44	7.0	4.8	2.7	83	0.8	0.5	9.5	0.306	0.2	2.2	67	1.2	11.0	1.2	82.4	112.2
157	NS071044	0.20	10.1	1.4	2.5	137	1.1	0.3	6.5	0.376	0.2	1.6	73	1.5	10.6	1.6	39.9	73.7
158	NS071045	0.16	6.6	4.0	3.8	100	1.4	0.5	10.3	0.500	0.1	2.4	99	1.9	8.5	1.0	59.4	77.7
159	NS071046	0.13	4.8	4.0	2.0	107	0.9	0.5	10.6	0.411	0.1	2.2	50	0.6	9.0	0.9	21.2	67.3
160	NS071047	0.20	10.8	1.7	2.2	151	1.0	0.3	4.9	0.561	0.1	1.3	80	1.2	8.4	1.1	35.0	68.7
161	NS071048	0.41	11.9	2.2	2.0	104	0.9	0.4	6.8	0.498	0.2	1.8	103	2.0	10.9	1.4	51.1	59.9
162	NS071049	0.34	15.0	1.4	2.2	69	0.9	0.3	6.7	0.346	0.2	2.1	123	1.6	10.3	1.4	83.7	81.7
163	NS071050	0.61	9.8	3.9	3.1	79	1.5	0.5	11.2	0.601	0.2	2.6	87	1.6	16.0	1.8	62.6	138.0
164	NS071052	0.77	11.4	2.4	3.1	98	0.8	0.3	7.1	0.320	0.1	2.4	97	1.2	7.6	1.1	70.8	88.8
165	NS071053	0.44	11.2	4.6	3.4	100	1.4	0.6	9.5	0.411	0.3	2.9	94	1.8	13.2	1.8	69.9	123.1
166	NS071054	0.42	9.9	3.5	2.8	77	1.2	0.5	7.9	0.482	0.1	2.4	71	1.8	10.0	1.3	55.9	98.5
167	NS071055	0.30	6.5	5.0	5.9	64	1.5	0.7	13.3	0.505	0.2	3.7	65	2.5	15.4	1.5	93.4	114.6
168	NS071056	0.40	11.6	4.0	4.3	86	1.1	0.7	6.9	0.439	0.3	2.7	145	1.5	22.4	2.4	63.9	124.1
169	NS071057	0.57	7.7	4.0	2.5	76	1.1	0.5	9.0	0.435	0.2	2.6	67	1.3	14.2	2.0	64.3	180.4
170	PE071001	0.57	7.5	4.8	5.4	80	0.9	0.4	9.4	0.378	0.2	2.1	54	1.1	12.6	1.6	61.8	136.9
171	PE071002	0.59	5.9	5.2	8.9	69	0.9	0.4	8.7	0.311	0.2	2.2	58	1.1	10.6	1.4	50.3	122.7
172	PE071003	0.59	7.3	3.2	3.3	67	1.0	0.3	6.9	0.463	0.2	2.0	61	1.8	9.8	1.4	57.5	119.7
173	PE071004	0.39	6.1	4.7	3.0	65	1.1	0.4	7.4	0.438	0.2	2.0	60	1.2	10.7	1.6	23.1	132.1
174	PE071005	0.67	7.6	4.2	6.1	71	1.0	0.4	8.2	0.406	0.1	1.9	66	1.2	9.1	1.2	50.1	105.1
175	PE071006	0.44	7.8	5.6	6.1	72	1.4	0.7	12.4	0.567	0.3	3.3	64	1.3	16.7	2.1	73.4	173.3
176	PE071007																	
177	PE071008																	
178	PE071009	0.57	11.3	3.1	4.4	63	1.3	0.4	8.3	0.504	0.2	3.2	79	1.6	11.3	1.7	73.7	120.1